

StudyMate Author 2.0 User Guide

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Introduction

StudyMate Author® by *Respondus*® is a Windows authoring tool that makes it easy to create Flash-based learning activities and games. When creating a StudyMate file, the focus is on the substance of a topic, not the requirements of a particular activity or game. This is a more natural approach for instructors and makes it easier to use content that might already exist in other formats.

Four types of items can be created or imported by StudyMate Author: *No Answer* items, *One Answer* items, *Multiple Choice*, and *Calculated* items. All four item types can reside in the same StudyMate file.

“No Answer” Items

A “No Answer” item consists of a fact, a statement, or a body of text. The following fact would be an example of a *No Answer* item: **Albert Michelson determined the speed of light in 1879.** The StudyMate Author activities that can be generated with *No Answer* items include:

- Fact Cards
- Fact Cards +

“One Answer” Items

A “One Answer” item has a word/phrase that is associated with another word/phrase. A common example is a glossary “term” that has a related “definition.” Another example is a fill-in-the-blank “question” in which the “answer” is a specific word or phrase. The StudyMate Author activities that can be generated using *One Answer* items include:

- Flash Cards
- Pick a Letter
- Fill in the Blank
- Matching
- Crosswords
- Glossary

“Multiple Choice” Items

“Multiple Choice” items are questions that have multiple distracters but only one correct answer. The StudyMate Author activities that can be created with *Multiple Choice* items include:

- Quiz

Challenge

"Calculated" Items

"Calculated" items, sometimes known as algorithmic items, require students to apply a mathematical formula to answer the question presented. Calculated items are designed for using variables with random values, based on a specified range, that are automatically generated for each variable in the question. The StudyMate Author activities that can be created with *Calculated* items include:

Quiz
Challenge

StudyMate Author exports the activities and games in Macromedia Flash (.swf) format and can publish activities directly to systems such as Blackboard, WebCT CE, and WebCT Vista.

Computer Requirements

StudyMate Author requires Windows 98 or higher, 32 MB of RAM, 5 MB of free hard disk space, and at least an 800x600 monitor resolution (1024 x 768 recommended). Internet Explorer must have the Macromedia Flash Player installed (version 7.0 or higher).

StudyMate Author exports activities in Macromedia Flash 7.0 format (.swf). StudyMate Author additionally offers direct integration with ANGEL (version 6.3 and higher), Blackboard Learning System (version 6.0 or higher), WebCT Campus Edition (version 4.0 or higher), and WebCT Vista (version 3.0 or higher).

Installation & Setup

The StudyMate Author installation program can be downloaded from www.respondus.com. To begin the installation process, locate the **StudyMate.exe** file that was downloaded to your hard drive. Double-click the file to start the StudyMate Author installation program and follow the instructions on the screen. Once StudyMate Author is installed, start the program by double-clicking the StudyMate Author icon that appears on the Windows desktop. Or, follow these steps to start the software.

Click [Start] from the Windows desktop
Click [Programs]
Click [Respondus]
Click [StudyMate Author]

The first time you start StudyMate Author (and each time thereafter until the program is registered), you will be presented with a screen that provides the "Product ID#". The Product ID# is used to obtain the Activation Password (see below) which is needed to complete the installation.

Activation Password

Once the StudyMate Author installation program is finished, you will need to obtain a password from www.respondus.com to activate the installation. Be sure to have the StudyMate Author “Product ID#” (see previous paragraph) readily available. After you have directed your browser to www.respondus.com, go to the “Registration” section of the site. You have the choice of purchasing a permanent activation password for StudyMate Author or obtaining a 30-day trial password. In both cases you will be required to enter a valid e-mail address and the Product ID# that displays on the opening screen of StudyMate Author. Once the information is submitted, the activation password is immediately sent to the e-mail address you specified.

Once the password is received by e-mail, it must be entered into the StudyMate Author program. If you haven’t done so already, start StudyMate Author and then enter the password when prompted (you may want to “copy and paste” the password from the e-mail message in order to prevent typing mistakes). Click [OK] to continue. The StudyMate Author software is now activated, either permanently or for a 30-day trial period.

Online Help & User Guides

StudyMate Author includes a full-featured help system that includes an index and context-sensitive help. To view the on-line help, choose “Help Topics” from the pull-down Help menu and select a topic. You can also press the F1 key from within StudyMate Author to obtain context-sensitive help. Throughout the program you will additionally see small buttons having a “?” symbol. When the button is clicked, information on that particular option or task is provided.

A print version of the StudyMate Author User Guide is available from the Respondus web site (www.respondus.com). It can be downloaded for free.

If you encounter a question that is not answered in the online help or in the StudyMate Author User Guide, you are encouraged to visit the “Support” section of the Respondus web site (www.respondus.com). There you will find a Knowledge Base and other resources.

The remainder of this user manual is organized according to the four StudyMate Author menus: **Start**, **Edit**, **Settings**, and **Preview & Publish**.

Start Menu

Overview of Start Menu

Opening a File

- Opening and Converting a Respondus file
- Downloading Publisher Test Banks

Creating a File

Import Wizard

- Format Requirements for Importing “Multiple Choice” Files
- Format Requirements for Importing “One Answer” Items
- Format Requirements for Importing “No Answer” Items

Quick Copy Wizard

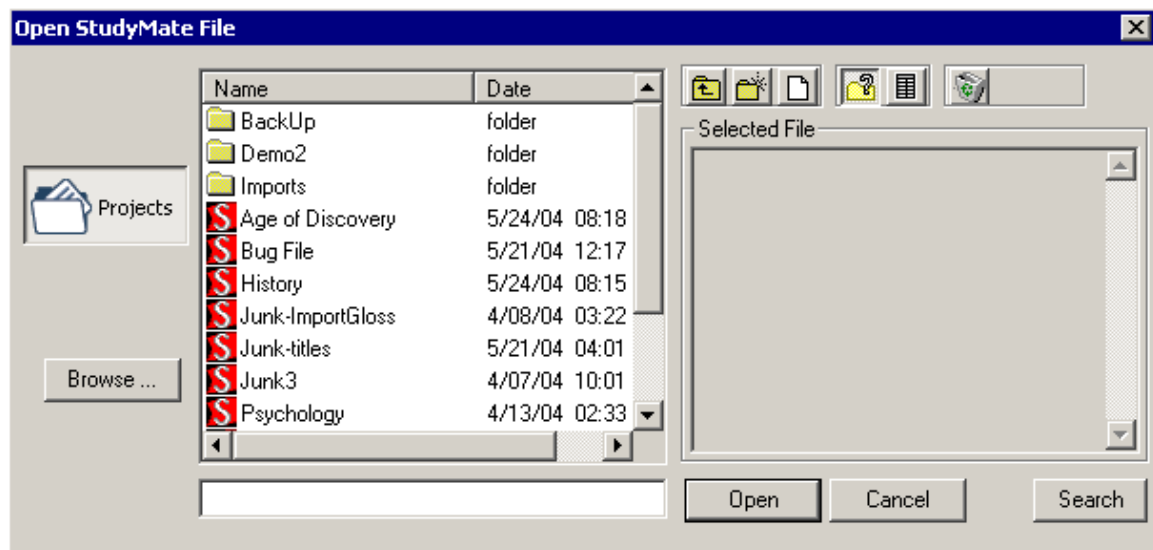
Overview of Start Menu

The *Start* menu provides the ability to **Open** a StudyMate Author file, **Create** a new file, and **Import** questions from a word processing, text, or IMS QTI file. The **Quick Copy Wizard** additionally provides an easy way to create an activity from an existing set of StudyMate files.

A StudyMate file must be open before you can go to another menu in StudyMate Author.

Opening a File

From the *Start* menu, click the **Open** button. The following window will appear:



Highlight a StudyMate project by clicking it once. To obtain information on the project, select one of the two center buttons located above the “Selected File” window at right. The “Item List” button (right of center) is used to view a list of the items contained in the highlighted file. To preview a particular item, click the “Title.”

To open a highlighted file, click the **[Open]** button at the bottom of the window. (Double-clicking a file name will also open it.)

StudyMate Author allows projects to be organized within sub-folders. For example, you may want to organize StudyMate projects by class, course, or subject matter. To create a new folder, locate the toolbar above the “Selected File” window and click the “Create New Folder” button located second from left. To navigate down a level within a folder, double-click the folder itself. To navigate up a level, click the “Up One Level” button located leftmost on the row of buttons.

The **[Search]** button allows the text in a file to be searched prior to opening it (it can only be used if the “Item List” view is selected).

The **[Browse...]** button, located on the lower left side of the *Open* window, allows you to locate a StudyMate file (.rsf) that is located elsewhere on the hard drive and *copy* the file to the StudyMate Projects folder. It does *not* move the file or open it directly; rather, it creates a new “Projects” folder based on that file.

Opening and Converting a Respondus file

The Browse button can also be used to select and then convert a Respondus project file (.rsp) or a Respondus archive file (.rsa, .rpa) to StudyMate format. To do so, click [Browse...] and then change the pull-down list for “Files of Type” to “Respondus Files and Archives.” Upon selecting a Respondus project or archive file, various options will be offered regarding the conversion of the Respondus file to StudyMate format. Select the desired options and click [OK] to complete the conversion.

Note, the *Import Wizard* can also be used to convert a Respondus file to StudyMate format.

Downloading Publisher Test Banks

The **[Download Test Bank]** button is used to download publisher test banks that have been made available through the Respondus Test Bank Network (for more details, see <http://www.respondus.com/testbank>). To download a test bank, enter the File Code that has been supplied to you by the publisher. If applicable, also enter the password and any additional information that has been provided to you. StudyMate Author will then locate and download the test bank file. Since the file being downloaded is in Respondus format, it will need to be converted to StudyMate format. Following the download step, StudyMate Author will display various options regarding the conversion of the file to StudyMate format. Select the desired options and click [OK] to complete the conversion.

Creating a File

From the *Start* menu, select the **Create** button to create a new file. You prompted to enter a File Name and Description (both are required), as well as Author and Keyword information (optional). Click **[OK]** to create the file. You are now ready to add items to the file, using either the *Edit* menu or the *Import Wizard*.

Import Wizard

StudyMate Author allows the importing of *No Answer*, *One Answer*, and *Multiple Choice items*. Calculated items can also be imported, but only if they are in Respondus (.rsp) format. For text imports, the file must be formatted according to the guidelines discussed later in this section. Once the text is in the proper formatting, the Import Wizard will guide you through the importing process, as discussed here.

Step 1

Start the Import Wizard and select the file format being imported:

- * MS Word (.doc), Rich Text (.rtf), Text (.txt)
- * IMS QTI (.xml)
- * Respondus (.rsp) or Respondus Archive (.rsa, .rpa)

The first option (.doc, .rtf, .txt) is self-explanatory. If the file being imported is in one of these formats, then select this option.

IMS Question & Test Interoperability (IMS QTI) is a XML standard that is supported by various e-learning systems (for more information, see <http://www.imsglobal.org/question/>). If an IMS QTI file is being imported, StudyMate Author will use only the multiple choice and true/false questions, filtering out the rest.

Respondus is a separate authoring tool by Respondus Inc. that allows you to create assessment content for use with the leading course management systems (for more information, see <http://www.respondus.com>). Many question types from Respondus files (.rsp) or Respondus Archive Files (.rsa, .rpa) can be imported with StudyMate Author.

Step 2

If you are importing a Respondus or IMS QTI file, skip to the instructions provided in Step 3. If you are importing a MS Word, Rich Text, or Text file, the next screen in the wizard will ask whether the text being imported is formatted for Multiple Choice, One Answer, or No Answer items. It's important to note that only one type of question can be imported at a time from MS Word, Rich Text or Text formats (see the formatting requirements described below for each question type). To import more than one type of item to a StudyMate file, repeat the importing process.

The next screen will remind you that the text formatting for Multiple Choice, One Answer, and No Answer items must follow the guidelines for the *Standard Format*, as discussed later in this section.

Step 3

The final screen of the wizard requires several actions. Click "Browse" to locate and select the file being imported.

Next, indicate whether the items being imported should be appended to the currently open file or whether an entirely new StudyMate file should be created. If the second option is selected, you will additionally need to enter the name of the file being created.

Each item being imported is given a “title.” If titles aren’t specified in the file being imported, StudyMate Author will create a title using the first 20 characters of the item wording. Alternatively, it is possible to specify “stem” text (ie., a prefix) that will then be followed by consecutive numbering starting with 001. For example, if you select the “Use stem...” checkbox and enter the text “Chapter1-” the title for the first item being imported will be Chapter1-001, the title for the second item will be Chapter1-002, and so on. (You do *not* have to enter stem text--this feature is entirely optional.)

Click the [**Preview**] button to preview the file being imported and to see if there are any warning messages. If warning messages are shown at the bottom of the screen, you need to decide whether to make changes to the file being imported or whether to continue without making changes. (Note, if a Respondus file is being imported, an additional window containing conversion options will appear. Select the desired options and click [OK] to continue.) Be aware that some warning messages don’t actually require that changes be made to the file being imported. For instance, StudyMate Author will generate a warning message if two items being imported have the same title (StudyMate Author will automatically place the number “2” at the end of the second title to make it distinct from the first). In this example, if you don’t care that StudyMate Author is making a minor change to the title, ignore the warning message.

If you are satisfied with how the results look in Preview, click [**Finish**] to complete the import. The StudyMate file has is now created or appended. Switch to the *Edit* menu to further modify the file, or go to the *Preview* task to view the items.

Format Requirements for Importing “Multiple Choice” Files

StudyMate Author can import multiple choice questions from a MS Word document (.doc), a rich-text file (.rtf), or a text file (.txt). The .doc and .rtf files cannot contain images or embedded objects, such as tables. (If a StudyMate warning indicates that the document being imported contains images or embedded objects, the easiest way to strip these items is to save the file to .txt format.)

Multiple Choice items must be organized in the “Standard Format” before it can be imported. The Standard Format for multiple choice questions has *required elements* and *optional elements*, each of which is described next.

“Standard Format” for Multiple Choice Imports: *Required Elements*

Each question must begin with a *question number*, followed by either a period “.” or a parentheses “)”.

Example: **3)**

Example: **3.**

The *question wording* must follow the question number. (Note: at least one space should be between the question number and the question wording.)

Example: **3) Who determined the exact speed of light?**

Example: **3. Who determined the exact speed of light?**

Each *answer* must begin with a letter (A-J) followed by a period “.” or a parentheses “)”.

Example: **3) Who determined the exact speed of light?**

- a. Albert Einstein**
- b. Albert Michelson**
- c. Thomas Edison**
- d. Guglielmo Marconi**

“Standard Format” for Multiple Choice Imports: *Optional Elements*

A *Title* can be imported with each multiple choice question. If a title is not provided for a question, the first set of characters of the question wording will be used as the question title in StudyMate Author. Titles must be placed at the beginning of a question and begin with “Title:” followed by the actual text for the title. If the title exceeds 20 characters, the remaining characters will be dropped during the import.

Example: **Title: Speed of Light**
3) Who determined the exact speed of light?

- a. Albert Einstein**
- b. Albert Michelson**
- c. Thomas Edison**
- d. Guglielmo Marconi**

The correct answer for a multiple choice question can be indicated in two ways. First, you may place an asterisk (*) directly in front of the answer choice (do **not** put a space between the asterisk and the answer choice).

Example: **Title: Speed of Light**
3) Who determined the exact speed of light?

- a. Albert Einstein**
- *b) Albert Michelson**
- c) Thomas Edison**
- d. Guglielmo Marconi**

The second option is to place a list of correct answers at the end of the file. The list must begin with the word “Answers:” and must be positioned at the end of the file.

Example: **Answers:**

- 1. A**
- 2. C**
- 3. B**

Note that only letters “A-J” should be used to indicate a correct answer since StudyMate Author activities only support a maximum of 10 answer choices per question. Also note that any text that appears after the answer list will be ignored.

If neither of the above methods is used to specify a correct answer, StudyMate Author will automatically select the letter “A” as the correct answer. You will be warned if a question does not have a correct answer specified for it prior to completing the import.

Answer “Feedback” can be imported with multiple choice questions by placing the feedback immediately after the question wording and beginning the line with the @ symbol. (Note: There must be at least one space between the @ symbol and the feedback text.)

Example: **Title: Speed of Light**
3) Who determined the exact speed of light?

@ Albert Michelson was the first American to win the Nobel Prize in Physics (1907) for his measurements of the speed of light. His experiments laid the groundwork for Einstein’s Theory of Relativity.

- a. Albert Einstein**
- *b) Albert Michelson**
- c) Thomas Edison**
- d. Guglielmo Marconi**

The “Topic” and “Difficulty” level of *Multiple Choice* questions can also be specified in a file prior to the import. This is explained below in the section “Importing a Topic or a Difficulty Level.”

Format Requirements for Importing “One Answer” Items

At the start of the *Import Wizard*, indicate that you are importing a .doc/.rtf/.txt file and on the next screen select the “One Answer” option. Prior to selecting the file in the next step, make sure the text is formatted according to one of the two formats supported by StudyMate Author: a “standard format” as described next or in WebCT’s glossary format.

“Standard Format” for *One Answer* Imports

Standard Format syntax for *One Answer* items is as follows:

```
<term1>
<definition1>
    <blank line1>
    <blank line 2>
<term2>
<definition2>
```

This translates into the following example:

Albert Michelson
Determined the exact speed of light

Albert Einstein
Developed the General Theory of Relativity

It's important that at least *two* blank lines appear after each item. That's because a single blank line indicates a new paragraph for the same item, not a new item altogether. Also note that enhanced formatting such as **bold** and *italics* will be retained by StudyMate Author when items are imported from a .rtf or .doc file. However, StudyMate Author will prevent you from importing files that contain images or embedded objects, such as tables. (If StudyMate Author warns you that the document being imported contains images or embedded objects, it may be easier to export the file to .txt format so that these objects are automatically converted to a suitable format, or dropped altogether.)

The "Topic" and "Difficulty" level of *One Answer* items can be specified in a file prior to importing. This is explained below in the section "Importing a Topic or a Difficulty Level."

Importing WebCT Glossary Files

WebCT, a popular course management system, has a glossary tool that can export items in .txt format. These files can be imported by StudyMate Author as *One Answer* items. The formatting is relatively simple:

```
: <term>
<definition>
```

Here's a specific example:

:Albert Michelson
Determined the exact speed of light

:Albert Einstein
Developed the General Theory of Relativity

Note that only one blank line is required between items for this format, unlike the “Standard Format” described previously.

Format Requirements for Importing “No Answer” Items

A *No Answer* item is essentially a fact or brief text that has no answer associated with it. StudyMate Author can import *No Answer* items from a MS Word document (.doc), a rich-text file (.rtf), or a text file (.txt). However, the file must first be organized in the “Standard Format,” which is actually quite simple:

```
<fact1>
    <blank line 1>
    <blank line 2>
<fact2>
```

This translates into the following example:

Albert Michelson determined the exact speed of light

Albert Einstein developed the General Theory of Relativity

It’s important to remember that this formatting requires at least *two* blank lines between each item. That’s because a single blank line indicates a new paragraph for the same item, not a new item altogether. Also note that enhanced formatting such as **bold** and *italics* will be retained by StudyMate Author when items are imported from a .rtf or .doc file. However, StudyMate Author will prevent you from importing files that contain images or embedded objects. (If StudyMate Author warns you that the document being imported contains images or embedded objects, it may be easier to export the file to .txt format so that these objects are automatically converted to a suitable format, or dropped altogether.)

The “Topic” and “Difficulty” level of *No Answer* items can be specified in a file prior to importing. This is explained below in the section “Importing a Topic or a Difficulty Level.”

Importing a ‘Topic’ or a ‘Difficulty’ Level

The “Topic” and “Difficulty” level of a *Multiple Choice*, *One Answer*, or *No Answer* item can be specified in a file prior to importing it. To assign a topic to multiple items in a file, place the following tags before and after the items, respectively:

```
TOPIC: <enter topic name here>
TOPICEND:
```

For example, to place the following two questions into a topic called “Scientists” the following formatting would be used:

TOPIC: Scientists

3) Who determined the exact speed of light?

a. Albert Einstein

***b. Albert Michelson**

4) Who formulated the General Theory of Relativity?

***a. Albert Einstein**

b. Albert Michaelson

TOPICEND:

If you prefer to designate a topic for each item being imported, it isn’t necessary to include the “TOPICEND:” tag after each question. For example, the following formatting is acceptable where a different topic is being assigned to both items:

TOPIC: Michelson

3) Who determined the exact speed of light?

a. Albert Einstein

***b. Albert Michelson**

TOPIC: Einstein

4) Who formulated the General Theory of Relativity?

***a. Albert Einstein**

b. Albert Michaelson

TOPICEND:

Just remember to include a “TOPICEND:” tag any time you don’t want the topic to be attributed to subsequent questions or items.

A similar approach can be used to designate a 1-5 difficulty level (1=low, 5=high) for items being imported.

DIFFICULTY: <enter a number between 1 and 5>

DIFFICULTYEND:

For example, to assign the difficulty level of two questions to “3” the following formatting would be used:

DIFFICULTY: 3

3) Who determined the exact speed of light?

a. Albert Einstein

***b. Albert Michelson**

4) Who formulated the General Theory of Relativity?

***a. Albert Einstein**

b. Albert Michaelson

DIFFICULTYEND:

If you prefer to designate a difficulty level for each item being imported, it isn't necessary to include the "DIFFICULTYEND:" tag after each question. For example, the following formatting is acceptable where a different difficulty level is being assigned to both items:

DIFFICULTY: 5

3) Who determined the exact speed of light?

a. Albert Einstein

***b. Albert Michelson**

DIFFICULTY: 3

4) Who formulated the General Theory of Relativity?

***a. Albert Einstein**

b. Albert Michaelson

DIFFICULTYEND:

However, remember to include a "DIFFICULTYEND:" tag any time you don't want the difficulty level to be attributed to subsequent questions or items.

One final note about the Topic and Difficulty tags. If you are importing a WebCT glossary file, only one topic and/or difficulty level can be specified in the file. In addition, the first tag must appear at the top of the text file.

Quick Copy Wizard

The Quick Copy Wizard is the easiest way to select and copy items from two or more StudyMate files. To begin, select the **Quick Copy Wizard** button from the *Start* menu. The first page of the wizard provides the option of creating a new file or opening an existing StudyMate file and then copying items to it. Make your selection and click [Next]. If you selected the option to create a new file, provide a name and description of the file. If you selected the option to use an existing file, open the desired file as prompted. Click [Next] to continue.

The next page of the wizard prompts you to select the StudyMate files from which the questions will be copied. Highlight a file and click the [Select] button. Repeat this process until all files from which you want to select questions are selected. Click [Next] to continue.

The next page of the wizard prompts you to select a source file from the previous step. If the selected file has items that have been assigned to “topics,” the list can be further filtered by selecting a topic from the “Show items by topic” list.

You then have the choice of using *Automatic Selection* or *Manual Selection*. When Automatic Selection is chosen, the available number of questions for each type of item is displayed in the “Available to Select” column. In the next column, enter the number of questions to be selected for each type of item. When all entries are finished, click either the **[Add to End of List]** button or the **[Insert Into List]** button. Repeat this process for each of the source files.

The *Manual Selection* option allows the items for each file to be viewed before making a selection. In fact, you can preview individual items by clicking the title or by searching the entire list of questions using the **[Keyword Search]** option at top right. To select questions from this list, simply click the narrow column furthest to the left--a mark will appear next to the question. When finished with the selections, click either the **[Add to End of List]** button or the **[Insert Into List]** button. Repeat this process for each source file.

Note that the *Automatic Selection* and *Manual Selection* options may be combined. A file can also be reselected from the pull-down list and have additional items chosen from it. StudyMate Author will prevent you from selecting an item more than once.

Once items have been added to the list at the bottom of the screen, the Difficulty values can be edited manually. To delete an item from the bottom list, or to move it to a different location in the list, click the blue title and select the desired option. Finally, notice that a tally of the questions appears at the top right corner of the lower grid.

The next and final page of the wizard is self-explanatory. For example, to edit items in the file, select the option to go to the Edit menu. To preview the activities, select that option, and so on.

Click **[Finish]** to complete the wizard.

Editing a File

Overview of Edit Menu

Common Features Across all Item Types

Item Types and Activities

1) No Answer

- Fact Cards
- Fact Cards+

2) One Answer

- Flash Cards
- Pick A Letter
- Fill in the Blank
- Matching
- Crosswords
- Glossary

3) Multiple Choice

- Quiz
- Challenge

4) Calculated

Adding Bold, Italics, Underline, and Super/Subscript

Web Links

Adding Images

Inserting Audio

Spell Check

Keyword Searches

Modifying, Rearranging, and Deleting Items

A Rapid Authoring Technique for Creating Items

Using an Item as the Basis for a New Item

Copying Questions from Another StudyMate Author File

Overview of Edit Menu

The *Edit* menu in StudyMate Author allows new items to be added to a file or current items to be edited. Four types of items can be created: *No Answer*, *One Answer*, *Multiple Choice* and *Calculated*. Up to ten activities can be created from these items.

StudyMate - History.rsf

File Edit View Help

Power Edit

Start Edit Settings Preview & Publish StudyMate by Respondus

Edit Items

No Answer

One Answer

Multiple Choice

Calculated

Copy from Another File

"One Answer" Activities Include:

FLASH CARDS

PICK A LETTER

MATCHING

FILL IN THE BLANK

CROSSWORDS

Glossary

One Answer ?

1. Title of Item

2. Term or Answer (e.g. Albert Einstein) (up to 80 characters)

3. Definition or Question (e.g. Developed the general Theory of Relativity)

4. Difficulty: Not Set Topic: No Topic

☐ After saving this item, use it to create a "No Answer" item

5. Save Changes Cancel Changes Clear Form Preview

Item List Total Items: 95

#	Title	Format	Topic	Item Wording
16	Enlightenment	One Answer	Art & Culture	An intellectual movement in Europe in the 17th and 18th centuries that placed supremacy on human reason, lo
17	MC-Art-01	Mult. Choice	Art & Culture	Who was the sculptor of <i>Bacchus</i> , <i>Sleeping Cupid</i> , <i>Madonna of the Stairs</i> , and <i>David</i> ?
18	MC-Art-02	Mult. Choice	Art & Culture	This German composer is known for the following works: <i>Magnificat</i> , <i>Christmas Oratorio</i> , and the <i>Brandenburg</i>
19	MC-Art-03	Mult. Choice	Art & Culture	Who is considered to be the founder of <i>psychoanalysis</i> ?

Keyword Search ? - Click here for tips on editing, rearranging, inserting & deleting items

Common Features Across All Item Types

Four types of items can be created with StudyMate Author: *No Answer*, *One Answer*, *Multiple Choice*, and *Calculated*. To create a new item, select the desired type from the left side of the screen. The entry form to its right will change accordingly; the Flash activities that can be generated from that type of item are also listed.

Each item allows the entry of a "Title." A title can be up to 60 characters. If you do not enter a title, StudyMate Author will use the first 20 characters from the next data entry field.

Two optional features are available with each edit form: *Difficulty* level and *Topic*. The *Difficulty* level can be set between 1 and 5 (1=Low, 5=High). Items can also be assigned to a *Topic*, either an existing one or a newly created one. The small buttons located to the right of the *Difficulty* and *Topic* options determine whether an entry for that item is required. If the asterisk is selected, it becomes a required entry field.

Four buttons appear at the bottom of all edit forms. The **[Add to End of List]** button adds the current item to the end of the “Item List” (located at the bottom of the screen). Use **[Insert Into List]** to insert the current item to a specific position in the Item List. The **[Clear Form]** button will erase all data that currently shows in the form. Finally, the **[Preview]** button opens a browser-like window that shows how the item will appear when exported as a Flash activity. The Preview window, which can be selected at any stage in the editing process, includes a pull-down list at top that allows a different activity or game to be previewed.

At the bottom of the Edit menu, the “Item List” displays the title, format, topic, and wording for each item in the file. The total number of items is shown at the top right of the list. By clicking the “title” of an item, a window containing the “properties” is displayed. It is here where you can modify, delete, or move the item, as well as use the selected item as the basis for an entirely new item. These features are discussed in the section “Modifying, Rearranging, and Deleting Items.”

Item Types and Activities

There are four types of items in StudyMate Author (*No Answer*, *One Answer*, *Multiple Choice*, and *Calculated*). Several Flash-based games can be generated from each type of item. These are described below.

1) No Answer

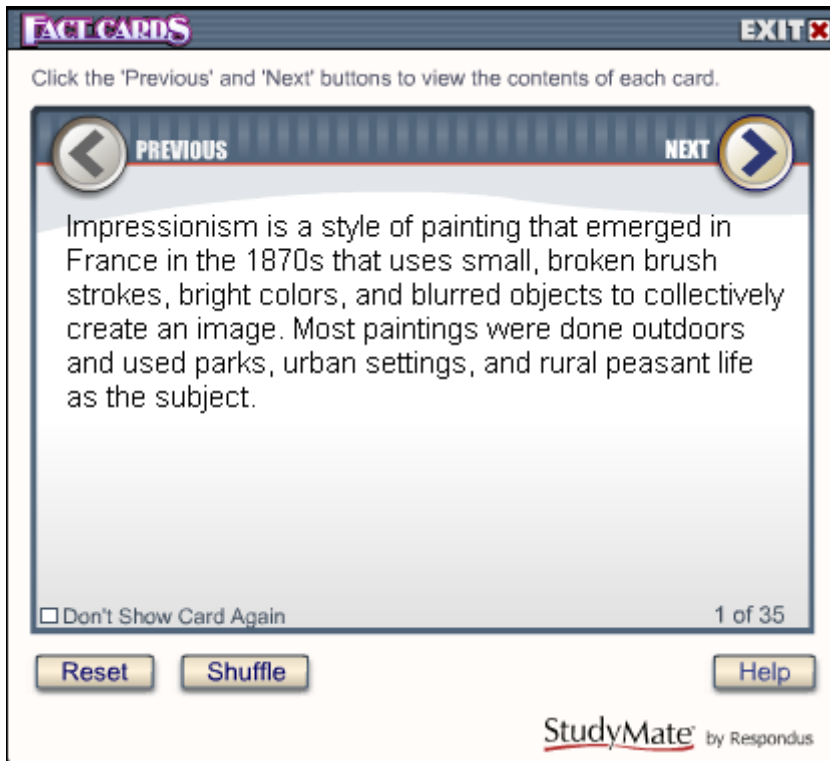
Use a *No Answer* item to enter a fact, statement, or any text that doesn’t have a precise answer. The following fact is an example of a *No Answer* item:

Albert Michelson determined the speed of light in 1879.

The StudyMate Author activities that can be created with *No Answer* items include *Fact Cards* and *Fact Cards+*.

Fact Cards

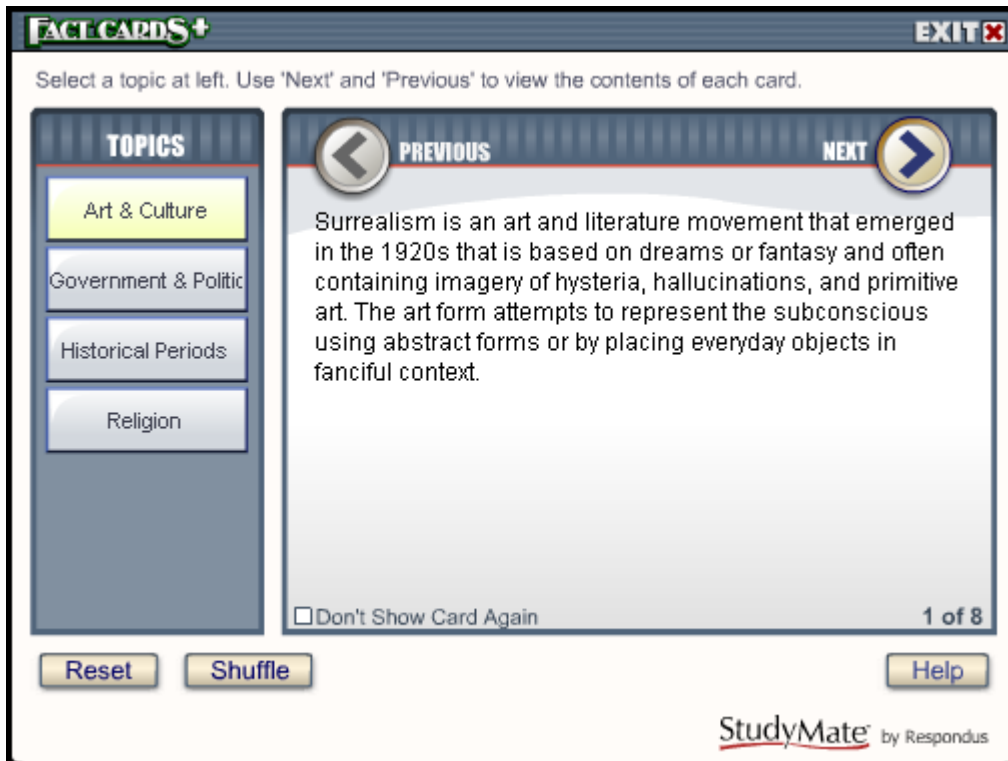
Fact Cards are one-sided cards that display text on them.



Click *Next* or *Previous* to scroll through the cards. *Shuffle* will randomize the deck of cards and *Reset* will return you to the first card in the deck.

Fact Cards+

Fact Cards+ is identical to *Fact Cards* except that it additionally sorts the cards into topics. The topics are then displayed along the left side of the Flash object. An item can be assigned to a topic during the editing or import steps.



2) One Answer

A *One Answer* item has a word/phrase that is associated with another word/phrase. A common example is a glossary “term” that has an associated “definition.” Another example is a fill-in-the-blank “question” that has a specific word or phrase for the “answer.”

Example:

Term or Answer: **Albert Einstein**

Definition or Question: **Developed the General Theory of Relativity**

The StudyMate Author activities that can be created with *One Answer* items include *Flash Cards*, *Pick a Letter*, *Fill in the Blank*, *Matching*, *Crosswords*, and *Glossary*.

Flash Cards


Flash Cards are two-sided cards that display the term/answer on one side of the card and the definition/question on the second side of the card.



Click *Flip Card* to see the second side of the card. Select *Next* or *Previous* to scroll through the deck of cards. *Shuffle* randomizes the deck of cards and *Reset* returns you to the first card in the deck. The *Display Other Side First* option determines which side of the card is shown first.

Pick a Letter

Pick a Letter displays the definition/question at the top of the screen and has the user type or click the letters contained in the answer. If a letter appears more than once in an answer, all uses of that letter will be displayed when it is selected.

PICK A LETTER **EXIT** 

Type or click a letter to provide the answer.

A	B	C	D	E	F	G	H	I	J	K	L	M
N	O	P	Q	R	S	T	U	V	W	X	Y	Z

5	4	3	2	1	0
---	---	---	---	---	---

Total Score: 0

Art & Culture

A style of painting that emerged in France in the 1870s that uses small, broken brush strokes, bright colors, and blurred objects to collectively create an image. Most paintings were done outdoors and used parks, urban settings, and rural peasant life as the subject.

IMPR_ SSI _ _ I SM

1 of 35

Next Question
Hint
Show Answer
Reset
Help

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If an incorrect letter is entered, 1 point (of a possible 5 points) is deducted for that question. A user can continue answering the question even after the point value reaches zero.

Next Question proceeds to the next question in the list; no points are awarded if the answer isn't completed before clicking *Next Question*. *Hint* reveals the next letter or character in the answer; one point is deducted for each hint until the point value for the item reaches zero. *Show Answer* reveals the entire answer; no points are awarded when this option is used. *Reset* starts the activity over again.

Once the final item is answered, a score will be displayed.

Fill In the Blank

Fill in the Blank displays the definition/question in the top section and has the user enter the exact term/definition for the answer. If the answer isn't exactly correct, StudyMate provides a hint based on the text entered in the previous attempt. One point (of a possible 5 points) is deducted for each incorrect attempt. There is no limit to the number of attempts allowed, even if the point value for the item reaches 0.

FILL IN THE BLANK
EXIT

Read the top box and enter the answers below.
Note that your entry must exactly match the correct answer.

Art & Culture
A style of painting that emerged in France in the 1870s that uses small, broken brush strokes, bright colors, and blurred objects to collectively create an image. Most paintings were done outdoors and used parks, urban settings, and rural peasant life as the subject.

TYPE ANSWER HERE

Enter

5 4 3 2 1 0

Total Points: 0
Total Possible: 175
1 of 35

Next Question

Hint

Show Answer

Reset

Help

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Next Question moves you to the next question in the list; no points are awarded if the answer isn't completed before clicking *Next Question*. *Hint* reveals the next letter or number in the answer; one point is deducted for each hint until the point value for the item reaches zero. *Show Answer* reveals the complete answer; no points are awarded when this option is used. *Reset* starts the activity over again.

Once the final item has been answered, a score will be displayed.

Matching

The *Matching* activity displays the definition/question in the top section and has the user select from one of the nine term/answer windows below. The answer windows don't change until six correct answers have been revealed. At that time the nine answer windows are repopulated and the sequence repeats itself.

It's important to understand that the contents of the nine answer windows are randomly drawn from other items in the file. This works well if all *One Answer* items in the file are similar (eg. all items are *persons*, or all items are *events*, or all are *definitions*). However, if the *One Answer* items are a mixture of topics it may be desirable to exclude the Matching activity when generating Flash objects.

MATCHING

EXIT

View the item in the large box and select the matching answer from the smaller boxes. Click 'Next Question' to continue.

An art and literature movement that emerged in the 1920s that is based on dreams or fantasy and often containing imagery of hysteria, hallucinations, and primitive art. The art form attempts to represent the subconscious using abstract forms or by placing everyday objects in fanciful context.

Correct: 0 Missed: 0

1 of 35

Surrealism	Theocracy	Cretaceous Period
Middle Ages	Enlightenment	Feudalism
Stone Age	Neoclassicism	Romanticism

Next Question

Show Answer

Reset

Help

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There must be at least 9 *One Answer* items in a file before StudyMate will allow the *Matching* activity to be exported to a Flash object.

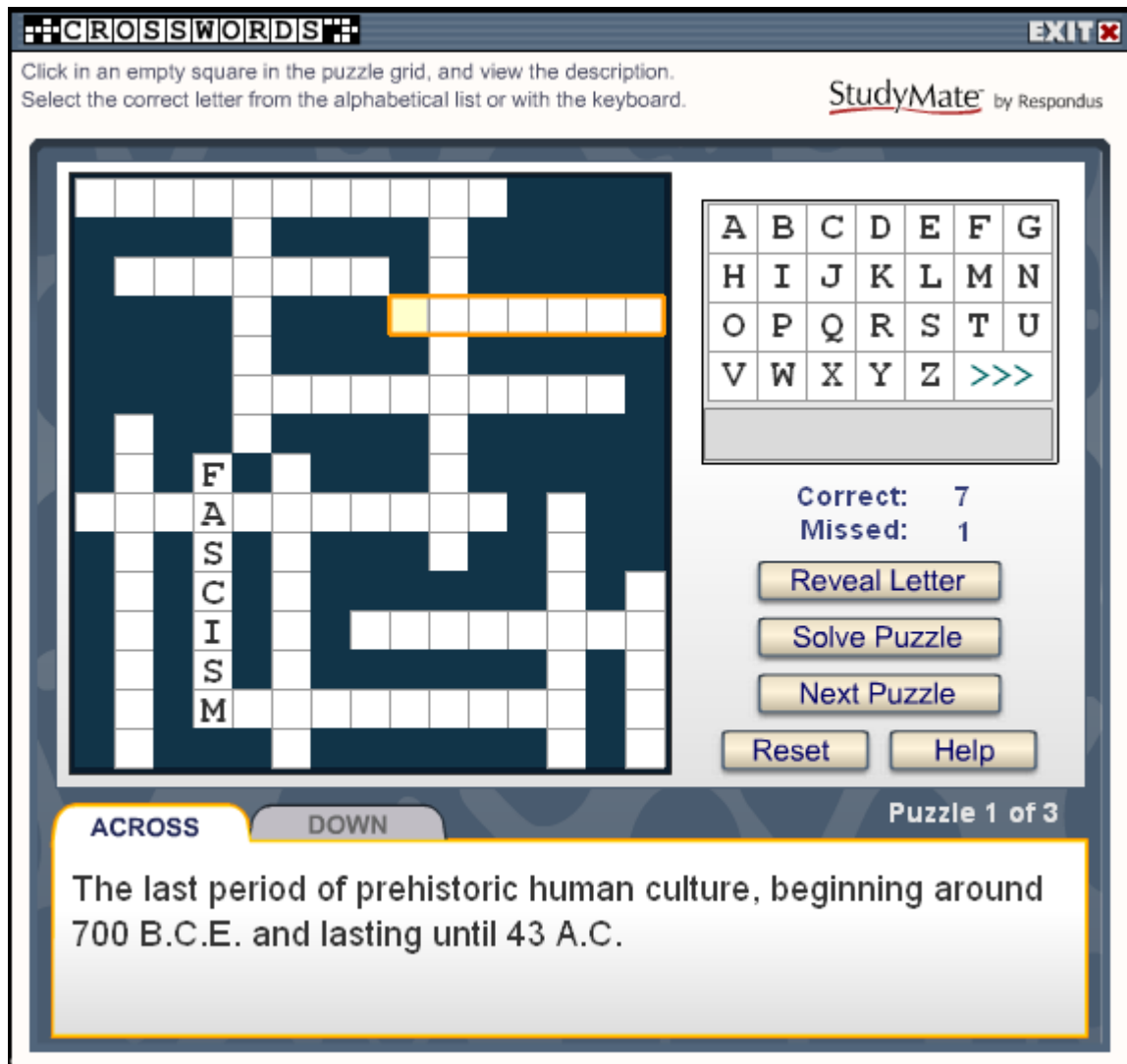
Next Question moves you to the next question in the list; no points are awarded if the prior item isn't answered before clicking *Next Question*. *Show Answer* reveals the answer for the item; no points are awarded when this option is used. *Reset* starts the activity over again.

Crosswords

A Crossword puzzle displays the "clue" (ie. the definition or question) at the bottom of the screen and requires the user to enter the "answer" in a corresponding, highlighted area of the grid. Answers are entered one letter at a time and it's possible to switch to another clue before supplying any or all letters for the answer. Tallies for "correct" and "missed" letters are provided, with the possibility of multiple misses occurring for a single square.

Play begins by clicking a white, unanswered square. A highlight appears around all letter-boxes that comprise the answer, while the clue for the item is displayed at the bottom of the screen. The user can select a letter from the keyboard or from the palette of characters on the right side of the screen. International characters or numbers can be selected from

the palette by first clicking the “>>>” button to reveal additional items. A puzzle is complete when all letter boxes have been solved.



“Reveal Letter” displays the letter for the highlighted square and increases the “Missed” tally by one. “Solve Puzzle” reveals all remaining letters for the puzzle; no changes occur to the “Correct” or “Missed” tallies. The “Next Puzzle” button, when displayed, clears the current puzzle and skips to the next round (if one is available). The “Correct” or “Missed” tallies are unchanged when Next Puzzle is clicked.

“Reset” refreshes the screen, clears the tallies, and starts the first puzzle again. Puzzles are not recompiled when the Reset button is clicked, just started again.

If an answer has multiple words (“ICE AGE”), the blank space between words will be eliminated (“ICEAGE”). Special characters (\$, %, #) and punctuation (- ,?) are revealed at the start of a puzzle.

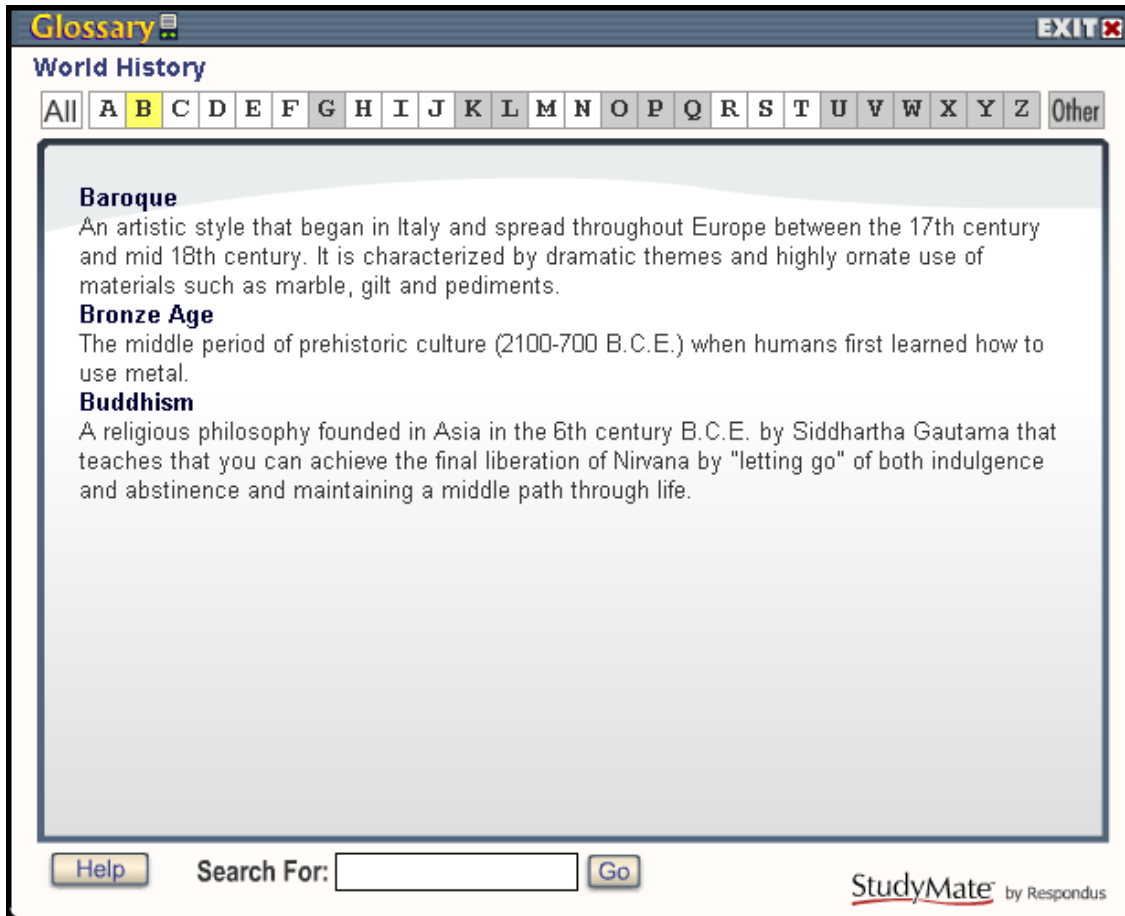
Puzzles are compiled in the StudyMate Author authoring tool, before they are exported to Flash format. Thus, a crossword puzzle will be the same each time a student uses it.

The Crosswords activity in StudyMate draws its data from the “One Answer” template. Only those terms/answers that have 15 or fewer characters will be used during the compilation of a puzzle. If the StudyMate file has more than about a dozen “One Answer” items, it can generate multiple puzzles (or “rounds”) from the available data. The *Settings* menu StudyMate Author lets the instructor specify the maximum number of rounds permitted for a puzzle, ranging from 1 to 10.

The *Settings* menu also allows the instructor to control *when* crossword puzzles are compiled, which can take up to 4 seconds per puzzle round. The compilation time is dependent on how many “One Answer” items are contained in the file and how many puzzle rounds are being permitted (a Setting option). Another setting determines whether a puzzle is compiled each time the *Preview* task is selected in StudyMate Author or only if a change has been made to the StudyMate file.

Glossary

The Glossary tool provides an alphabetic listing of all *One Answer* items in the file. The term/answer is presented first, immediately followed by the definition/answer. Click a letter at the top of the screen to list the terms that start with that letter. The “other” category listed at the end of the alphabet will display terms that start with numbers, punctuation or special characters. The “All” option will list all *One Answer* items in the file alphabetically. To locate a glossary item that contains a particular word or phrase, use the *Search* feature.



Note that it may be necessary to exclude the Glossary activity when generating Flash activities if the *One Answer* items don't use a "term-definition" approach. For example, if the *One Answer* items are math problems in which the answer is a number, they won't make a very useful glossary.

3) Multiple Choice

A *Multiple Choice* item displays a question, followed by a list with one correct answer and several distracters.

Example: **3) Who determined the exact speed of light?**

- a. Albert Einstein**
- b. Albert Michelson**
- c. Thomas Edison**
- d. Guglielmo Marconi**

Answer "feedback" can be included with *Multiple Choice* questions so that students can view additional information about the answer. For example, the following feedback

might be displayed after a student answers the above question (regardless of whether the correct or incorrect answer was submitted):

Albert Michelson was the first American to win the Nobel Prize in Physics (1907) for his measurements of the speed of light. His experiments laid the groundwork for Einstein's Theory of Relativity.

To add feedback to a *Multiple Choice* question, click the **[Feedback]** button to open an editing window. When the feedback text has been entered, click the [X] at the top right corner of the feedback window to close it.

It's possible to have the answer choices (distracters) displayed in random order for a question. Simply select the "randomize" box.

The following StudyMate Author activities can be created with *Multiple Choice* items: *Quiz* and *Challenge*.

Quiz

A *Quiz* will show one multiple choice question at a time. The question wording is presented at the top of the screen with the answer choices shown below it. The correct answer is selected by clicking on the letter that represents it.

The screenshot shows a quiz window titled "Quiz" with a green checkmark icon. In the top right corner is an "EXIT" button with a red X. Below the title bar, a instruction reads: "Read the question and click the letter that corresponds with the correct answer." The main area contains a question: "Followers of this religion or philosophy believe in one supreme force, Brahma." Below the question are five multiple-choice options: A) Hinduism, B) Islam, C) Shinto, D) Buddhism, and E) Confucianism. At the bottom of the main area, there is a "Select Answer:" label followed by five circular buttons labeled A, B, C, D, and E. To the right of these buttons, it says "1 of 25". Below the main area is a large empty text box for feedback. At the very bottom, there are four buttons: "Next Question", "Reset", "Shuffle", and "Help". In the bottom right corner, the "StudyMate by Respondus" logo is displayed.

After an answer is selected, the “Next Question” button will flash and stay highlighted. If feedback is set to display immediately after a question is answered (see the “*Settings*” section below), the screen will indicate whether the answer is correct or wrong and will display any feedback entered for that question.

Reset starts the quiz again without any changes to the quiz itself. *Shuffle* also starts the quiz again but additionally randomizes and/or reselects the questions from a larger set of questions (again, depending on the “*Settings*” that have been selected).

Upon completion of the *Quiz* activity, a score will be presented. The user will have a chance to review the incorrectly answered questions at this point.

Challenge

Challenge presents multiple choice questions in a fun, game-show environment. The game board consists of 5 topics, where each topic has 5 questions with point values that range from 100 to 500.

CHALLENGE
EXIT

Select a topic and point value. Read the question and click the letter that corresponds with the correct answer.

Art & Culture	Government & Politics	Historical Periods	Religion	Mixed Topics
100	100	100	100	100
200	200	200	200	200
300	300	300	300	300
400	400	400	400	400
500	500	500	500	500

Total Score: 0

This German composer is known for the following works: *Magnificat*, *Christmas Oratorio*, and the *Brandenburg Concertos*.

A) Handel
B) Beethoven
C) Mozart
D) Bach
E) Brahms

Select Answer:

A
B
C
D
E

Show Answer
Reset
Help

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At the start of the *Challenge* game, select the “One Player” or “Two Player” option. The Two Player mode additionally allows names to be entered for the players or teams.

The game is started by clicking one of the point values below a topic. The question and answer choices are listed in the box below. The correct answer is selected by clicking on the letter that represents it. Players are immediately shown whether the answer is correct or wrong. If the answer selection is wrong, the correct answer will be displayed in green text and the incorrect answer will appear in red. If feedback is available for the question, it too will be displayed at this time.

Challenge makes use of the “Difficulty” option that is available when multiple choice questions are created or imported with StudyMate Author. Questions will be distributed within a topic according to its original difficulty weighting (1=low, 5=high). Questions that don’t have a difficulty level assigned to it are treated as a “3” in terms of difficulty. If there aren’t enough questions within the various levels of difficulty, StudyMate Author will distribute the questions the best that it can.

Challenge also uses the “Topics” option that is available when questions are created or imported with StudyMate Author. Questions that haven’t been assigned to a topic will be displayed under a “Mixed Topics” heading during the *Challenge* game.

The point value indicated when a question is selected will be applied to the player’s total score for the game. If the player answers the question correctly, the “total score” will increase by that amount. Conversely, if the answer is answered incorrectly, the score will be reduced by that amount. Negative scores are very much possible!

Show Answer will immediately display the correct answer to the question. Only 100 points are deducted if the *Show Answer* option is used. Thus, a “wild guess” may not be the best strategy when playing against another partner or team since the penalty for using *Show Answer* may be less.

4) Calculated

Calculated items require students to apply a mathematical formula to answer the question. *Calculated* items are designed using variables. Random values, based on a specified range, are automatically generated for each variable in the question. Thus, *Calculated* items can be unique for each student, as illustrated in this example where values are inserted for {x} and {y}.

Example: If a car is traveling {x} miles per hour for {y} hours, how far does it travel (in miles)?

The following StudyMate Author activities can be created with *Calculated Choice* items: *Quiz* and *Challenge* .

The StudyMate editor for *Calculated* items requires that the following sections be completed:

- Question Wording
- Formula
- Variable Properties
- Answer Properties
- Value/Answer Sets

Calculated – Question Wording

In the Question Wording section, enter the text of the question just as you would for any other question type. However, instead of using specific numerical values to define the details of the question, instead use variables by specifying a name enclosed in curly brackets for each one. For example: “How long does it take to travel {x} miles at a speed of {y} mph?”

Variable names can only contain letters and digits (the characters 0-9, a-z, and A-Z), and the “_” (underscore) character. However, the first character of a variable name cannot be a number and the variable names “e” and “pi” should not be used.

You can use as many different variables as you need to define the question, and you can use the same variable name multiple times if necessary.

Calculated - Formula

In the Formula section, enter the mathematical formula associated with the question. This is the same formula that the student will be expected to use, and the same one that will be used to automatically calculate the correct answer for grading purposes. The same variables specified in the question wording will be used to indicate where each value should go in the formula.

The formula can be typed into the edit field directly, or entered by selecting options from the pull-down lists provided for Variables, Functions, Operators, and Constants. Selected options will appear in the edit field at the current cursor location, and will overwrite the current selection (if any).

The “Variables” list provides an easy way to select a common variable name.

The “Functions” list provides the following supported mathematical functions:

abs(x)	Absolute value of x. $\text{abs}(-3) = 3$.
acos(x)	Arc-cosine of x in radians
acosh(x)	Hyperbolic arc-cosine of x in radians
angle(x,y)	Arc-tangent of x/y in radians. Uses signs to determine result quadrant.
asin(x)	Arc-sine of x in radians
asinh(x)	Hyperbolic arc-sine of x in radians
atan(x)	Arc-tangent of x in radians
atan2(x,y)	Same as $\text{angle}(x,y)$
atanh(x)	Hyperbolic arc-tangent of x in radians
ceil(x)	Round x up to the nearest integer. $\text{ceil}(2.1) = 3$. $\text{ceil}(-2.1) = -2$.
cos(x)	Cosine of x in radians
cosh(x)	Hyperbolic cosine of x in radians
exp(x)	Base e (Euler’s constant) raised to the power of x
fact(x)	Factorial of x. $\text{fact}(3) = 6$.
floor(x)	Round x down to nearest integer. $\text{floor}(2.8) = 2$. $\text{floor}(-2.8) = -3$.
int(x)	Return integer portion of x. $\text{int}(4.32) = 4$. $\text{int}(-4.32) = -4$.
ln(x)	Base e natural logarithm of x
log(x)	Same as $\ln(x)$
log10(x)	Base 10 logarithm of x
max(x,y,...)	Return the maximum of all supplied arguments. $\text{max}(1,2,3) = 3$.
min(x,y,...)	Return the minimum of all supplied arguments. $\text{min}(1,2,3) = 1$.
mod(x,y)	Modulus or remainder of x/y. $\text{mod}(5,2) = 1$.
rand()	Return a random number between 0 and 1
round(d,x)	Round x to d decimal places. Halfway cases round away from 0.
sin(x)	Sine of x in radians
sinh(x)	Hyperbolic sine of x in radians
sqrt(x)	Square root. $\text{sqrt}(9) = 3$.
sum(x,y,...)	Return the sum of all supplied arguments. $\text{sum}(1,2,3) = 6$.
tan(x)	Tangent of x in radians
tanh(x)	Hyperbolic tangent of x in radians

Note that the values for trigonometric functions are expressed in radians, not degrees. For conversion purposes, π radians = 180 degrees. Also, for all formulas that have two correct answers (for example, the square root of 9 is +3 and -3), only the positive number will be treated as correct.

After selecting a function from the list, the formula must be edited to replace the argument list with numbers or variables. For example, “round(d,x)” might be edited to specify a fixed number of decimal places and a variable to round, as in “round(3,{y})”, which would round the variable {y} to 3 decimal places.

Functions can also be nested within a formula, as in “sqrt(abs({x}))”. In this case, the absolute value of {x} is evaluated first, followed by the square root of the result. Functions can be nested as deeply as necessary to properly calculate the answer.

When entering numerical values, scientific notation is expressed in the format xEy , where x is the coefficient and y is the exponent. To convert numbers from scientific notation to standard notation, use x times 10 to the power of y . For example:

- 3.2E4 equals 32000
- -2E0 equals -2
- 3.14E-2 equals 0.0314

The “Operators” list provides the following standard mathematical operators:

- Subtraction
- () Parentheses used to group elements for precedence
- * Multiplication
- ** Power or exponent. For example, $2^{**}3 = 8$.
- / Division
- + Addition

The “Constants” list provides the following commonly-used numerical constants:

- _e** Base e or Euler’s constant (2.71828...)
- _pi** Pi – the circle ratio (3.14159...)

Some example questions and associated formulas might be:

Question: How long does it take to travel {x} miles at a speed of {y} mph?

Formula: {x}/{y}

Question: What is the positive square root of {x}?

Formula: sqrt({x})

Question: Compute sin(x) where $x = \{x\}$ degrees.

Formula: sin({x}/180*_pi)

Calculated - Variable Properties

Clicking the “Variable Properties” button in the Formula section displays the Variable Properties dialog. Here, each variable in the question wording and formula is listed by name, along with Minimum, Maximum, and Scale values for that variable.

The Minimum and Maximum define the range of values each variable can be assigned, and the Scale specifies the number of decimal places each value should be allowed before the value is rounded off.

You can click each cell in the grid to edit the specific minimum, maximum, or scale value you want to change (the variable names cannot be edited). In general, for a given variable the minimum must be less than or equal to the maximum, and the scale must be greater than or equal to 0 and less than or equal to 5.

Calculated - Answer Properties

Clicking the “Answer Properties” button in the Formula section displays the Answer Properties dialog. Here you can specify values for answer scale and acceptable tolerance, as well as a unit name if required.

Answer scale can be specified in Decimal Places. If the answer scale is specified in decimal places, the value must be greater than or equal to 0 and less than or equal to 5, just as with the scale values specified in the Variable Properties dialog.

Answer tolerance is the amount that the student’s answer can deviate from the calculated answer and still be considered correct. It can be specified as a numeric value or as a percentage of the answer value.

If you choose to require a unit name, comparisons with the name entered by the student will be case-insensitive and space-insensitive.

Calculated - Value/Answer Sets

Clicking the “Value/Answer Sets” button below the Formula section displays the Value/Answer Sets dialog. Here you can generate sets of variable values and calculate the associated answers using the formula previously entered. When the *Calculated* item is presented to the student, one of these value sets will be randomly chosen to populate the variables in the question wording and the formula, and the associated answer will be used to grade the student’s response.

The grid displays a list of numbered value/answer sets. The number of sets available can be selected from the “Number of Sets” pull-down list. If images or equations are included in the question wording, a maximum of only 10 sets can be selected. The contents of this list will vary, depending upon the complexity of the question wording. For each set, the generated values for each variable are shown, and the individual cells can be clicked to edit those values. Note that any manually-entered values must be within the range specified by the variable minimum and maximum in the Variable Properties dialog. The

answers cannot be edited; instead, the “Update Answers” button can be clicked to recalculate the answers for all value sets.

Feedback

Answer “feedback” can be included with *Calculated* item so that students can view additional information about the answer. For a *Calculated* item however, the feedback would need to be very generic due to the multiple value/answer sets.

To add feedback to a *Calculated* item, click the [**Feedback**] button to open an editing window. When the feedback text has been entered, click the [X] at the top right corner of the feedback window to close it.

Adding Bold, Italics, Underline, and Super/Subscript

StudyMate Author makes it possible to add bold, italic, and underline to words. Simply highlight the text you want to modify and click the appropriate [**B**], [*I*], or [U] button on the tool bar. The text will immediately change to the selected formatting. The superscript [**X²**] and subscript [**X₂**] tools function in the same manner. To remove the formatting, highlight the text again and reselect the corresponding button from the toolbar. Caution should be used when using formatting other than bold, italic, and underline in *Calculated* items. When advanced formatting (subscripts/superscripts, images and the equation editor) is used in *Calculated* items, StudyMate Author must store each variation of the problem as an image instead of as text data, which greatly increases the size of the published Flash object.

Web Links

The Web Links tool on the toolbar lets you add a link to a website or to a file that is located on another web server. A new browser window will open when the user clicks on the web link from within the Flash activity.

To create a web link, select the Web Link icon from the StudyMate Author toolbar and then follow the instructions for adding a web link. A link to a specific web page can be created, or you can create a link to a media file that resides on another server. In both cases, you will be prompted to enter the text that is to be displayed for the link itself.

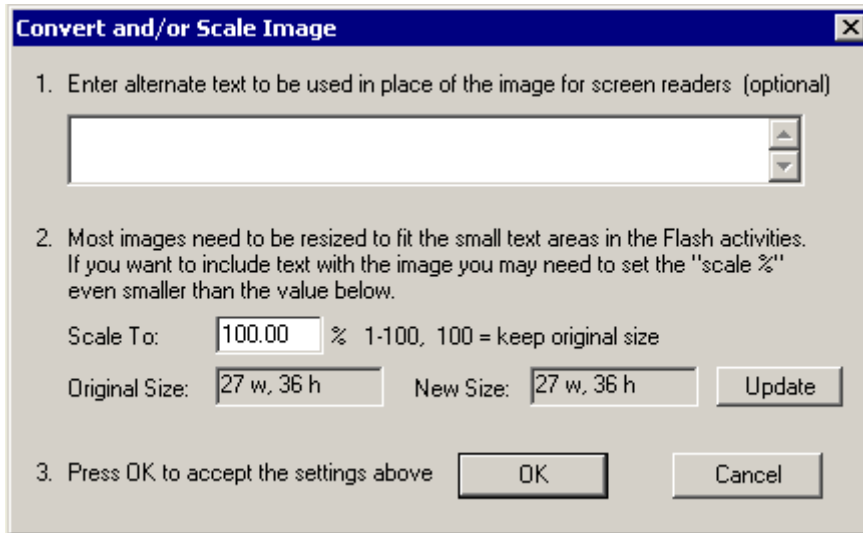
A Web Link cannot be used if a text field already has advanced formatting, such as images, equations, tables, super/subscript. Similarly, if a text field has a Web Link, you’ll be prevented from adding advanced formatting, such as images and equations.

Adding Images

Images can be added to most text fields in StudyMate Author, but should be used sparingly because they can significantly increase the size of the Flash object.

From the *Edit* menu, position the cursor in the text field where you want the image to be added. Then click the “Insert image” icon on the toolbar, which is represented by a camera. A pop-up window will let you navigate to and select the image, provided that it is in one of these formats: bmp, gif, jpeg, png, pcx, and emf.

After selecting an image, the following window appears:



If the image is over 400 x 300 pixels, StudyMate Author will reduce it to the required size. An image can be made even smaller by manually adjusting the value for the “Scale to” field.

Alternate text for images can be entered in the field provided. Although alt text isn’t currently supported in the Flash objects exported by StudyMate Author, it is expected in a future release.

Click [OK] to close the window and return to the *Edit* menu. You will now see a set of green characters like <PIC_1> that represents the image. Be sure to preview all images prior to saving the item to the file. This will assure that the image size and position is as intended.

To delete an image, position the cursor in the same field where the item is located. Then click the “Insert Image” icon on the toolbar (the camera icon) and select the option to delete an existing image or file.

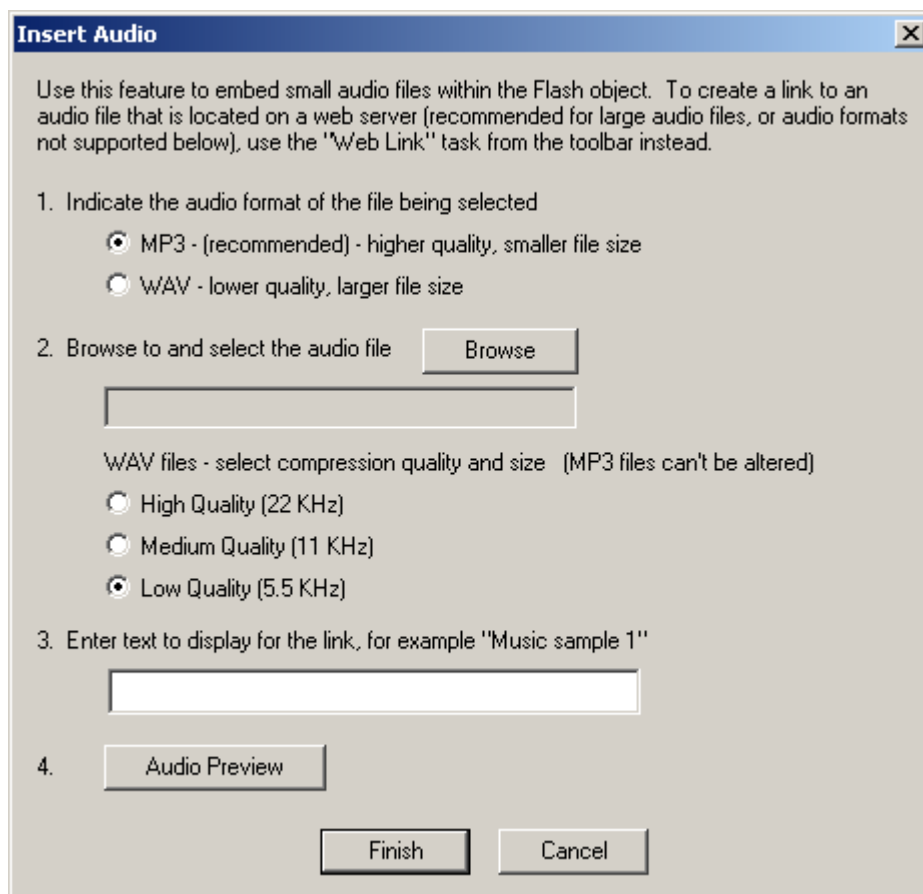
It’s important to understand that images can *significantly* increase the size of the final Flash object, particularly if high-color photos and images are used. A high-color image may be three times the size of a similar image that uses 256 colors. Also keep in mind that Flash objects work differently than HTML pages. Whereas an HTML page will begin displaying the content for a page while it loads the remaining elements, a Flash object must be fully downloaded before anything can be viewed.

If more than 10 images are contained in a StudyMate file, consider splitting the file into separate Flash objects. This will reduce the amount of time it takes for a student to download the object from a web server. The *Preview* task available from the “Preview & Publish” menu displays the overall size of the Flash object. This will help you determine whether a Flash object is becoming too large.

Inserting Audio

The Insert Audio tool allows for audio to be embedded directly into StudyMate activities. This feature should be used sparingly since audio files use large amounts of space and can significantly increase the size of the Flash object. (Consider placing larger audio files on a separate server and using the Web Link tool in StudyMate Author instead.)

To embed an audio file, from the *Edit* menu, position the cursor in the text field where you want the link for the embedded audio file to appear. Click the “Insert audio” icon on the toolbar, which is represented by a musical note surrounded by sound waves. The following pop window will appear:



The 'Insert Audio' dialog box is a standard Windows-style window with a title bar and a close button. It contains the following elements:

- Title Bar:** 'Insert Audio' with a close button (X).
- Instructions:** 'Use this feature to embed small audio files within the Flash object. To create a link to an audio file that is located on a web server (recommended for large audio files, or audio formats not supported below), use the "Web Link" task from the toolbar instead.'
- Step 1:** '1. Indicate the audio format of the file being selected'. It has two radio buttons: 'MP3 - (recommended) - higher quality, smaller file size' (selected) and 'WAV - lower quality, larger file size'.
- Step 2:** '2. Browse to and select the audio file'. It includes a 'Browse' button and an empty text field.
- WAV Options:** Below the text field, it says 'WAV files - select compression quality and size (MP3 files can't be altered)'. It has three radio buttons: 'High Quality (22 KHz)', 'Medium Quality (11 KHz)', and 'Low Quality (5.5 KHz)' (selected).
- Step 3:** '3. Enter text to display for the link, for example "Music sample 1"'. It includes an empty text field.
- Step 4:** '4. Audio Preview'. It includes a button labeled 'Audio Preview'.
- Buttons:** At the bottom are 'Finish' and 'Cancel' buttons.

First, indicate the audio format of the file being selected, MP3 or WAV. MP3 formats are preferable as they are higher in quality with a smaller file size. However, MP3 files require separate, more advanced software to create them, and must be encoded to the

proper sample rate (11, 22 or 44.1 KHz) and desired bit rate (16 Kbps - 320 Kbps). WAV files are lower in quality and have a larger file size. However, WAV files can be created easily on a Windows-based PC with a microphone or headset using "Sound Recorder" in Start > All Programs > Accessories > Entertainment with the setting format "PCM" and attributes "22.050 KHz, 16bit, mono.

Next, choose the **[Browse]** button to browse to a location on your hard drive to where the Audio file is located. Once a file is selected, click **[Open]**. MP3 files cannot be altered (sampled) within StudyMate Author; instead they must be encoded properly during the capture process. However, compression quality and size can be selected for uncompressed WAV files which can be stored as 8-bit mono with a sample rate of 5.5, 11, or 22 KHz. Higher sample rates increase the quality but use much more space and create a much larger flash file.

The overall size of a StudyMate activity can be determined within StudyMate Author by going to the >Preview & Publish Tab > Preview >Preview the File. At the bottom of the preview window itself, a number will be displayed, such as "Flash object size = 168 K". It is important to note that a file size of 480 K will require about 2 minutes to download using dial-up, but often less than 10 seconds using a broadband connection.

The next step is to enter the text for the link that the user will click to hear the audio file. The audio file can be previewed if desired. If satisfactory, choose **[Finish]** to complete the embedding of the audio file.

When using audio files with other advanced formatting features (subscripts/superscripts, the equation editor, images, and web links) it is important to understand that StudyMate stores the wording for a question or answer choice as an image and not text data. In this situation, the link for the audio clip will appear after the question text, and the phrase "[clip 1 below]" will appear in place of the text for the link. .

Equation Editor

The process of adding equations is similar to how images are added. From the *Edit* menu, position the cursor at the place in the text where the equation is wanted. Then click the "Equation Editor" button on the toolbar, which is represented by a summation symbol. The Equation Editor will open and you can begin creating the equation. The Equation Editor in Respondus works almost identically to the one that is available with Microsoft Word and WordPerfect. So if you've used those equation editors, you'll already know how to use this one. A key thing to learn about the Equation Editor is that the top row consists of "symbols" while the bottom row consists of "palettes". If you select a "symbol" from the top row, it's no different than if you selected the + or = sign on your keyboard -- except that the symbols from the Equation Editor eventually get displayed as graphics. When a "palette" is selected from the bottom row, text can be entered at various insertion points. It's also possible to select a palette from the bottom row, click in an insertion point, and then select a symbol from the top row. For more information about the Equation Editor, refer to the online help that is available from within the editor.

When finished editing the equation, exit the Equation Editor by either clicking the [X] that appears at the top right corner of the window or by selecting *File* from the menu bar and clicking *Exit* (do *not* simply minimize the Equation Editor). A new window appears that allows you to adjust the scaling of the equation. To accept the default setting of 150%, simply click [OK].

Alternate text for equation images can be entered in the field provided. Although alt text isn't currently supported in the Flash objects exported by StudyMate Author, this feature is expected in a future release.

Once an equation has been added and you return to the *Edit* menu, you will see a set of green characters like <EQ_1> that represents the equation image. Be sure to preview all equations prior to saving the item to the file. This will assure that the image size and position is as intended.

To modify or delete an equation, position the cursor in the same field where the equation is located. Then click the Equation Editor icon on the toolbar and select the option to modify or delete an existing equation.

Using MathType with StudyMate Author

The Equation Editor in StudyMate Author is a special version of *MathType*[™] by Design Science. If you frequently create documents with equations, you may find *MathType* is better suited to your needs. *MathType* is as easy to use as the Equation Editor and has many extra features to help you save time and create a wider range of equations.

MathType is available in English, Japanese, German and French. For further information about purchasing *MathType*, contact your software dealer or Design Science directly: Design Science, Inc., 4028 Broadway, Long Beach, CA 90803, USA.

Toll free: 800-827-0685 International: 562-433-0685
Fax: 562-433-6969
Email: sales@dessci.com
World Wide Web: <http://www.dessci.com>

If you already own *MathType*, you will need to reinstall it in order to have it work directly with StudyMate Author. *MathType*'s readme file explains that it sets itself up to replace Equation Editor at the time that it's installed. So if you add a new application like StudyMate Author that uses the Equation Editor, you must re-install *MathType*.

Power Edit

The “Power Edit” task available from the *Edit* menu provides a table editor and a larger workspace for editing large blocks of text.

Click in the field that you want to edit and then click the “Power Edit” button on the toolbar. Most tasks on the Power Edit toolbar also appear on the main toolbar. Only the Table editor is unique.

Tables

StudyMate Author makes it possible to insert and edit simple tables. From the *Edit* menu in StudyMate Author, position the cursor at the location where you want to insert the table. Then click the “Power Edit” button and select the “Insert Table” icon from the toolbar. When the next pop-up window appears, specify the number of columns and rows that should be included in the table. Click the [OK] button to return to the Power Edit window. You can now click within the cells of the table and enter the text.

The width of the table cells can be adjusted by dragging the column lines. To edit other aspects of the table from the Power Edit menu, click within the table and select the desired action from the pull-down menu labeled “Table.” Use the “Insert” option to add a row or column to the table. Use the “Delete” option to delete a row or column, or to delete the entire table.

Finally, keep in mind that tables will eventually be turned into graphics so that they can be displayed in the Flash object. So use tables sparingly since they will increase the overall size of the Flash object.

Spell Check

The Spell Check feature, which is located on the toolbar for the *Edit* menu, will search the currently open file for spelling errors and allow corrections to be made. Once the Spell Check feature is started, it will search for words that do not match items stored in the dictionary. If the word is not found in the dictionary, you are given the option to “Change” the word to one that is suggested, to “Ignore” the identified word, to “Change All” such words in the file to one you select, or to “Add” the word to the dictionary. If you want to make more detailed changes to the question, click the “Edit This Question” button, which will close the spell checker and make the question available for editing.

Three dictionaries are included with a standard installation of StudyMate Author: American English, Canadian English, and British English. However, a free bundle of supplemental dictionaries can be downloaded from the Respondus website, including French, German, Spanish, Dutch, Finnish, and a comprehensive medical dictionary.

Keyword Searches

There are several places in StudyMate Author where the **[Keyword Search]** button appears, such as at the bottom of the *Edit* menu or when a file is being opened. This option allows you to search the currently open file or the file that is being previewed.

Up to three words can be included in a search. When more than one word is used, you can choose whether a match is required of *all* words or *any* of the words. The search can be further filtered by selecting a topic from the pull-down list (if the items have been assigned to a topic). A final option allows answer choices and feedback to be included in the search.

Modifying, Rearranging, and Deleting Items

It is easy to modify, move, or delete an item in StudyMate Author. From the *Edit* menu, select an item from the “Item List” by clicking on its “Title.” A window appears that displays the entire properties for the question. On the right side of the window are several options. Click **[OK]** to close the window, click **[Delete]** to delete the item, click **[Preview]** to preview the item, and click **[Move]** to place the item at a different position in the Item List. If you select the **[Modify]** button, you will be returned to the Edit screen and the current properties for that item will be displayed in the form--modify the item as you like. When modifying an item, notice that the two buttons at the bottom of the form now indicate “Save Changes” or “Cancel Changes”. If you want to save the changes to the item, select the corresponding button. If you don’t want the changes to be implemented, select **[Cancel Changes]**.

A Rapid Authoring Technique for Creating Items

If you plan to use the same basic content across the *Multiple Choice*, *One Answer*, and *No Answer* templates, the following rapid authoring technique can be employed.

Starting with the *Multiple Choice* template, complete the fields as normal. Before adding the item to the list, click the checkbox "After saving this item, use it to create a "One Answer" item". The *Multiple Choice* item will be saved and StudyMate Author will automatically switch to the *One Answer* template. The *One Answer* template will be populated with text from the previously entered Multiple Choice item, but make sure the wording makes sense for the new *One Answer* item being created. . Before adding the new *One Answer* item to the item list, select the checkbox "After saving this item, use it to create a "No Answer" item". Once the *One Answer* item has been saved, StudyMate Author will now switch to the *No Answer* template and populate it with the same text. Again, make sure the wording for the new *No Answer* item makes sense and then add it to the list.

This rapid authoring technique sometimes requires that text be adjusted along the way. For example if a *Multiple Choice* item has a correct answer of "All of the Above", the text that will populate the *One Answer* template will not make sense unless you modify the "Term or Answer" field. .

Using an Item as the Basis for a New Item

To use an existing item as the starting point for a new item, locate the original item in the “Item List” at the bottom of the *Edit* menu. Select the item by clicking on the title. When the properties window appears, select the button **[Use as Basis for New Item]**. You will be returned to the Edit screen and the properties for the original item will be displayed in the form. The original title for the item will be modified slightly--for example, the number “2” will be added to the end of it. At this point you can rename the title and make any other changes you like. When finished, add or insert the item to the Item List.

Copying Items from Another StudyMate Author File

From the *Edit* menu it is possible to copy items from another StudyMate Author file. Click the button **[Copy from another file]** which is located on the left side of the screen. This will open a window containing the files stored in the default directory (\StudyMate Projects). Select a “source” file by double-clicking the file name or by clicking it once and selecting **[Open]**.

Tip: Before selecting a file, you can search the contents of the file by clicking on it once and then clicking the **[Search]** button. You can also preview the items for a file -- prior to opening it -- by highlighting the file name and clicking the “Item List” button. Specific information for an item can be obtained by clicking its title.

Once the source file is selected, a new window lists the items contained in it. An item can be selected by clicking the column furthest to the left. A checkmark will indicate that the item has been selected. When all the desired items have been selected, choose either the **[Add to End of List]** button or the **[Insert into List]** button to add the items to the currently open file.

Settings Menu

- Overview of Settings Menu
- Settings for Item Types
- Small Screen Device Settings
- Other Settings
 - Color Settings template
 - Accessibility Support
 - Language Settings
- HTML Templates (advanced feature)
 - Creating HTML Templates
 - Template Marker Fields
 - Full Page Templates
 - Append Templates
 - Overriding CSS Styles

Overview of Settings Menu

The *Settings Menu* allows you to specify settings for each activity. There is a setting tab for the each item type (*No Answer*, *One Answer*, and *Multiple Choice/Calculated*). The *Small Screen Device Settings* allow adjustment of the activities that can be created for use with iPods, Sony PSP, and certain other devices that have image storage capabilities. The *Other Settings* tab allows you to select color settings, “accessibility” settings, and the language in which the Flash activities will appear (English, French, German, etc.). The final tab, *HTML Templates*, allows you to control the design of the HTML file that is generated with the StudyMate Flash object during the publish step.

Settings for Item Types

Each StudyMate activity, except for *Glossary* and *Challenge*, has a setting that determines whether all items available for it will be displayed during each user session. The alternative is to display a subset of the available items during user sessions. For example, let’s say that the file contains 100 items that can be used with the “Pick A Letter” activity. Instead of including all 100 items each time the activity is played, you may prefer that 25 items be randomly selected each time. To do so, choose the “Select a fixed number” option and enter the number 25. (To clarify this example, all 100 items would be contained in the Flash object, but only 25 would be selected each time a student started the activity.) If you choose the option to have all items displayed during each user session, you have the choice of having the items delivered in random order or in the order that they appear in the StudyMate file.

Additional settings are available for the *Quiz* activity. To have feedback shown immediately after an answer is provided by the student, select the option “Show feedback after each question”. The “Show score after quiz” option is self-explanatory. The “Review missed questions” option will allow the student, upon completion of the quiz, to review each question that was missed.

Settings for *Crosswords* allow control of the number of puzzles (or “rounds”) included in a Flash object (ranging from 1-10). Another setting determines when puzzles are recompiled in the StudyMate authoring tool: each time the Preview task is started or only when a change has occurred to the StudyMate file.

Finally, note that the *Matching* activity requires a minimum of 9 items and that the *Challenge* activity requires a minimum of 10 items.

Small Screen Device Settings

These settings allow adjustment of the files suitable for viewing on small screen devices such as iPod Nano, iPod Video, Sony PSP, and certain other devices that have photo storage capabilities.

Two screen display sizes can be selected. The first size is applicable for the iPod Nano (176x132), most flash based portables, and Palm PDAs. The second is the larger iPod Video size (320x240) which is suitable for viewing on hard drive based portables, the Sony PSP and Windows CE PDAs.

You may include/exclude any of the item types available in StudyMate Author: "No Answer", "One Answer", "Multiple Choice", or "Calculated". You may also exclude items that contain "Audio/Video objects" or "Web links" as these items will be converted to static images (generally BMP format) for viewing on the small screen device. (For more information on small screen devices see the section “Exporting for iPods, PSP, and other Small Screen Devices”.)

Other Settings

The *Other Settings* tab, available from the *Settings* menu, provides color, accessibility and language settings for the Flash activities that are created with StudyMate Author.

Color Settings

A total of eight color templates are available in StudyMate Author. The default color setting is “Classic.” The color setting you choose will determine the look of the activities and games that are previewed or published with StudyMate Author. Note that if a “language setting” is anything other than English, that only the “Classic” color setting can be used.

Accessibility Support

Flash activities and games created with StudyMate Author allow navigation using the Tab/Enter keys, an important component of Section 508 (United States), SENDA Compliance (United Kingdom), and the Web Accessibility Initiative.

The Flash activities will display in “high contrast” mode if the “High contrast display...” setting is selected.

Another setting allows the creation of an HTML page that contains alternative text for screen reader applications. The web page created will contain all of the underlying data from the StudyMate file and can be used with assistive technologies compatible with web browsers, including input, magnification and screen reader technologies. If images appear in the StudyMate file, they will be replaced with the alternate text entered by the content author.

More detailed information about StudyMate's compliance with accessibility and assistive technologies is available from the Respondus web site at:
<http://www.respondus.com/products/accessibility.shtml>.

Language Settings

The user interface for the Flash activities created with StudyMate Author can appear in six languages: Dutch, English, Finnish, French, German, and Spanish. To change the language setting within StudyMate Author, select the *Settings* menu, click the "Other Settings" tab and then choose the desired language from the pull-down list under "Language Settings."

HTML Templates

During the "Publish" step, StudyMate Author generates an HTML file that provides the links used by students to launch the actual Flash game or activity. For example, students will click the HTML link "Challenge" to start the Challenge game.

The *HTML Templates* tab provides default HTML templates for each publishing option supported by StudyMate Author. "Full Page" templates are used when a Flash activity is being published to an entirely new HTML page. "Append" templates are used when a Flash activity is being appended to an existing HTML page. Most users will select a set of default templates and then never revisit this setting again. However, it is also possible to create custom HTML templates, as explained below.

Creating HTML Templates

StudyMate Author offers advanced users a way to create custom HTML templates and to specify which template(s) to use when creating Flash objects with StudyMate Author. This allows great control over the content and appearance of the HTML page or page section that is published along with the Flash file. *To create a custom template, you must be very familiar with HTML coding. We don't recommend that you try creating a custom template unless you have this type of technical knowledge.* The remainder of this section provides a technical description of how to create templates.

As noted above, there are two types of StudyMate HTML templates: *Full Page templates* and *Append templates*. *Full Page templates* are used when publishing an entire HTML page, and must contain all the tags necessary for a complete HTML page. *Append templates* are used when appending to an existing HTML page, or replacing an existing activity. *Append templates* cannot contain certain tags associated with full pages. Both

types of templates must contain a number of specific StudyMate *marker fields* that will be replaced during the publishing process with appropriate information.

Templates are stored as files with the extension .HTM or .HTML in a folder named templates in the StudyMate Projects directory (the default location is c:\StudyMate Projects\Templates). Templates can be added to this folder manually outside of StudyMate, or via the **[Add Template...]** button on the *HTML Templates* tab. Several sample templates are provided with the StudyMate Author installation.

All available templates are shown in the drop-down lists associated with each Course Management System or publishing option. In addition to any templates present in the *templates* folder, these lists also provide *Default - Arial* and *Default - Times Roman* selections. These default templates provide a simple page or section structure with sufficient information and hyperlinks but minimal clutter. They are identical to some of the sample templates provided with the installation.

When a template is selected in one of the drop-down lists, it will be immediately validated to determine whether it is suitable for its intended purpose. If new templates are added to the templates folder while the *HTML Templates* tab is displayed, the **[Refresh Template Lists]** button can be used to refresh the drop-down lists so that they reflect the newly-available templates.

Template Marker Fields

StudyMate HTML templates must contain a number of *marker fields* that are replaced with appropriate information during the publishing process. These fields are used when creating templates to represent where the associated information should be located in the published file. In the following partial example template, the marker field {STUDYMATE PageTitle} would be replaced with the activity title entered by the user in the Publish Wizard:

```
<html>
<body>
<title>{STUDYMATE PageTitle}</title>
...
```

The following is a complete list of the supported StudyMate marker fields and their descriptions:

<i>Marker Field</i>	<i>Description</i>	<i>Usage</i>
{STUDYMATE Script}	This field will be replaced with a JavaScript function that is used to launch the Flash object.	Required for all templates
{STUDYMATE Title}	This field will be replaced with the activity title entered by the user in the Publish Wizard.	Required for all templates

<i>Marker Field</i>	<i>Description</i>	<i>Usage</i>
{STUDYMATE Text}	This field will be replaced with the optional text or directions entered by the user in the Publish Wizard. If no such text was entered, this field will simply be removed from the published output.	Required for all templates
{STUDYMATE HorizontalLinks}	This field will be replaced with a set of hyperlinks to all the published activities, each separated by a non-breaking space.	Either a horizontal or vertical links field is required for all templates
{STUDYMATE VerticalLinks}	This field will be replaced with a set of hyperlinks to all the published activities, each separated by a line break.	Either a horizontal or vertical links field is required for all templates
{STUDYMATE ReplaceBegin}	This field will be replaced with a special StudyMate HTML comment that marks the beginning of the replaceable section in a Full Page template.	Required for Full Page templates; not allowed in Append templates
{STUDYMATE ReplaceEnd}	This field will be replaced with a special StudyMate HTML comment that marks the end of the replaceable section in a Full Page template.	Required for Full Page templates; not allowed in Append templates
{STUDYMATE PageTitle}	This field will be replaced with a string suitable for use as a page title. Currently this is the same value as published for the {STUDYMATE Title} field, but later the user may be able to specify the value for this field separately in the Publish Wizard.	Required for Full Page templates; not allowed in Append templates
{STUDYMATE StyleID}	This field will be replaced with a string suitable for use as a unique CSS style identifier within the HTML page.	Optional for all templates

Full Page Templates

Full Page templates are used when publishing to a new page in the Publish Wizard. They can contain any desired markup, provided they adhere to the following rules:

1. They *must* contain <html> and </html> tags.
2. They *must* contain <body> and </body> tags.
3. They *must* contain the marker fields noted as “required” in the table above.
4. The {STUDYMATE ReplaceBegin} field *must* come between the <body> and </body> tags in order to be recognized.
5. The {STUDYMATE ReplaceEnd} field *must* come after a recognized {STUDYMATE ReplaceBegin} field in order to be recognized itself.
6. With one exception, all other StudyMate marker fields *must* come between a recognized {STUDYMATE ReplaceBegin} field and a recognized {STUDYMATE ReplaceEnd} field in order to be recognized themselves.

7. The one exception to rule #5 is that the {STUDYMATE PageTitle} field *must not* come between a recognized {STUDYMATE ReplaceBegin} field and a recognized {STUDYMATE ReplaceEnd} field in order to be recognized itself.

Full page templates must contain a *replaceable section* that is marked by the {STUDYMATE ReplaceBegin} and {STUDYMATE ReplaceEnd} marker fields. This *replaceable section* is the part of the template that will be replaced using an Append template when replacing an existing activity in the Publish Wizard. All other StudyMate marker fields except for {STUDYMATE PageTitle} must lie within this replaceable section.

Append Templates

Append templates are used when appending to an existing page or replacing an existing activity in the Publish Wizard. Instead of a full page of markup, they are a section of markup that will either be appended to an existing page, or will replace an existing section in an existing page. Append templates can contain any desired markup, provided they adhere to the following rules:

1. They *must not* contain <html> and </html> tags.
2. They *must not* contain <head> and </head> tags.
3. They *must not* contain <title> and </title> tags.
4. They *must not* contain <body> and </body> tags.
5. They *must* contain the marker fields noted as “required” in the table above.
6. They *must not* contain the marker fields noted as “not allowed” in the table above.

Overriding CSS Styles

Some Course Management Systems make use of Cascading Style Sheets (CSS) to control the look and feel of their HTML pages. In some cases, it may be desirable to override this behavior within a StudyMate HTML template in order to exert more control over the appearance of the published information.

This is the primary reason that the {STUDYMATE StyleID} marker field is supported. This field allows a template to specify a local CSS style block, associate that style block with a unique ID, then reference that style ID in the appropriate tag where it is desired to override existing CSS styles that may be in force.

For example, the following partial template shows how to format the activity hyperlinks published by StudyMate Author so that they are in a 10-point bold sans-serif font, regardless of what CSS settings may be in force at that point within the page after it is published to the Course Management System:

```
...
<style type="text/css">
<!--
div#{STUDYMATE StyleID} a
{
font-family: Arial,Verdana,Helvetica,sans-serif;
font-style: normal;
```

```
font-weight: bold;
font-size: 10pt;
}
-->
</style>
<div id="{STUDYMATE StyleID}">
{STUDYMATE VerticalLinks}
</div>
...
```

This technique is the same one used within the StudyMate sample and default templates to control hyperlink formatting in the presence of CSS. Regular formatting tags such as `` and `<bold>` are also used in case the browser does not support CSS. The HTML comment around the contents of the `<style>` block is also necessary to prevent older browsers that do not support CSS from displaying the text within.

Preview & Publish Menu

Overview

Preview Task

Publish Wizard

- Publishing to Blackboard (6.0 or higher)
- Publishing to WebCT CE (4.0 or higher)
- Publishing to WebCT Vista (2.1 or higher)
- Exporting HTML+SWF files
- Exporting a SCORM Package
- Exporting a SWF Collection
- Exporting for iPods, PSP, and other Small Screen Devices

Print Options

Overview

The *Preview & Publish* Menu contains two tasks: *Preview* and *Publish Wizard*. The Preview task is used to preview the complete Flash object, while the Publish Wizard is used to generate and output the Flash object.

Preview

The *Preview* task is similar to the preview option that appears in the *Edit* menu. The primary difference here is that all items in the file can be previewed, not just the item being edited.

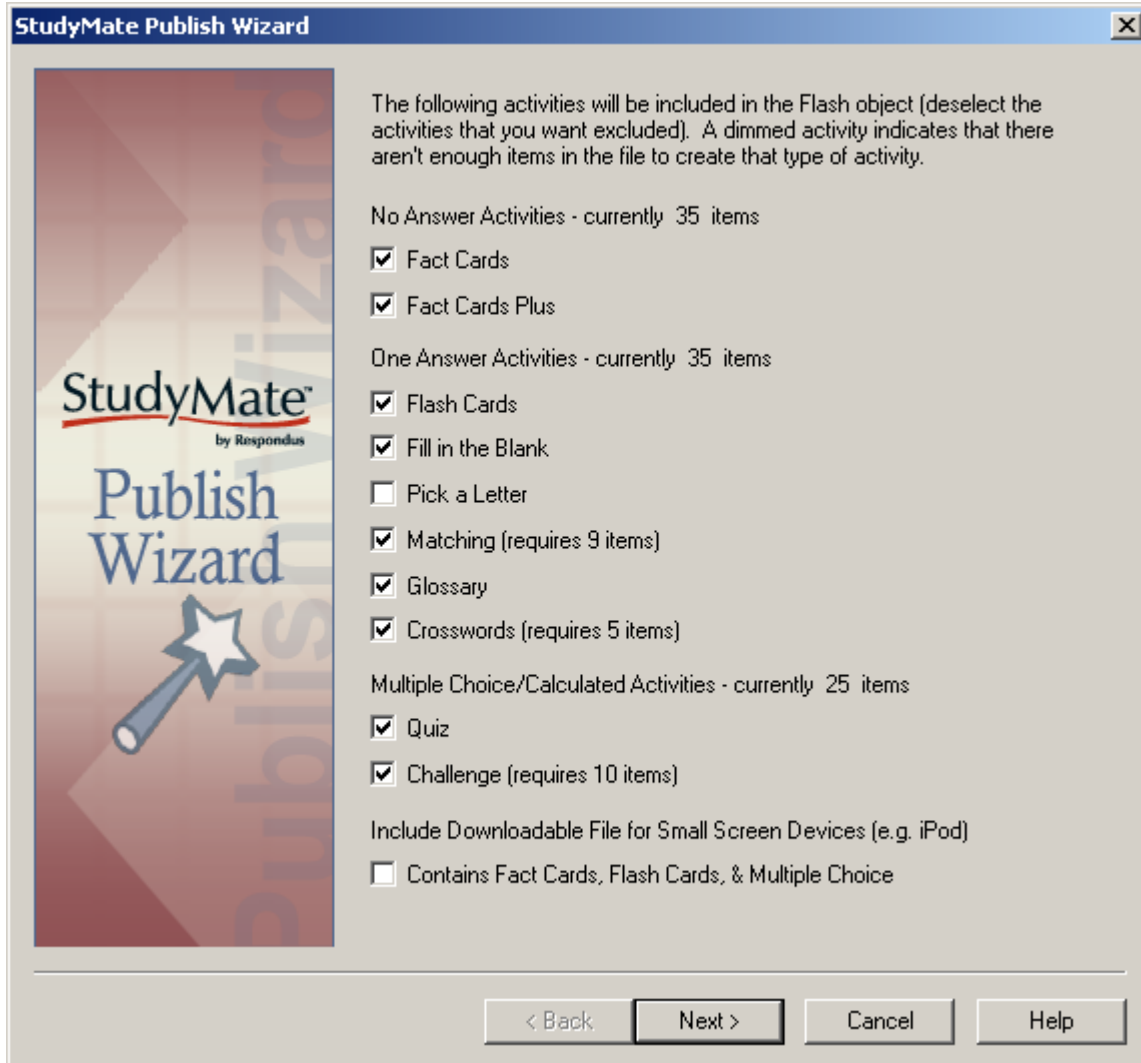
Upon selecting the Preview option, a browser-like window will appear and will show what the Flash object will look like when it is published from StudyMate Author. An “Activity” list appears at the top of the window and allows you to change the preview to a different activity. Note that the Activity list only displays the activities that are available for the file currently open. For example, if the StudyMate file only contains *Multiple Choice* items, the Preview task will only list the *Practice Quiz* and *Challenge* activities. Likewise, if the file only contains *One Answer* items, it will exclude the *Practice Quiz* and *Challenge* activities from the Preview task.

During the preview, two options are available at the top right corner of the Flash object: “Mark for Delete” and “Edit this Item”. “Mark for Delete” creates a list of items to be deleted once the Flash object is closed (you’ll be asked to confirm the deletions at that time). “Edit this Item” will close the Preview task immediately and display the item in the StudyMate *Edit* menu.

The Flash object can be viewed with the Settings selections applied or without the Settings applied. In most situations you’ll want to see how the Settings (such as question randomization) affect the Flash object, but there are times when the original file order is preferred for previewing and editing purposes. Select the desired option before clicking the Preview button.

Publish Wizard

The *Publish Wizard* is available from the *Preview & Publish* menu and will guide you through the steps of publishing or exporting the final Flash object.



The screenshot shows the 'StudyMate Publish Wizard' dialog box. On the left is a vertical banner with the StudyMate logo and the text 'Publish Wizard' with a star icon. The main area contains instructions and a list of activities with checkboxes. The activities are grouped into four categories: 'No Answer Activities', 'One Answer Activities', 'Multiple Choice/Calculated Activities', and 'Include Downloadable File for Small Screen Devices'. The 'Next >' button is highlighted.

StudyMate Publish Wizard

The following activities will be included in the Flash object (deselect the activities that you want excluded). A dimmed activity indicates that there aren't enough items in the file to create that type of activity.

No Answer Activities - currently 35 items

- ☒ Fact Cards
- ☒ Fact Cards Plus

One Answer Activities - currently 35 items

- ☒ Flash Cards
- ☒ Fill in the Blank
- ☐ Pick a Letter
- ☒ Matching (requires 9 items)
- ☒ Glossary
- ☒ Crosswords (requires 5 items)

Multiple Choice/Calculated Activities - currently 25 items

- ☒ Quiz
- ☒ Challenge (requires 10 items)

Include Downloadable File for Small Screen Devices (e.g. iPod)

- ☐ Contains Fact Cards, Flash Cards, & Multiple Choice

< Back **Next >** Cancel Help

The first page of the wizard lists the activities and games that can be included with the Flash object that is being output. Deselect any activity that you want excluded from the Flash object. To include downloadable files for small screen devices (e.g. iPod) select this activity (for more information see the section “*Exporting for iPods, PSP, and other Small Screen Devices*”). If an activity is dimmed, it means there aren't enough items in the file for that activity. Click [Next] to continue.

StudyMate Author can publish Flash objects directly to Blackboard 6.0 or higher, WebCT CE 4, WebCT CE 6, WebCT Vista 3.0 or higher, and ANGEL 6.3 or higher. If you plan to use the Flash object with a different web server or file server, select the HTML+SWF option instead. Click [Next] once a selection is made.

Publishing to Blackboard (6.0 or higher)

StudyMate Author can upload two formats of the Flash activities to a Blackboard server. A “standard upload” results in a Flash (.swf) file and an HTML file to be uploaded to the specified area in Blackboard. A second option allows a SCORM package to be uploaded to the Blackboard course. In order to use the SCORM option, the Blackboard server must have the SCORM “Content Player” enabled in the course settings. The main advantage to using SCORM packaging is that a student score from any activity can be passed back to the SCORM gradebook (only the score for the first attempt is saved). A disadvantage of SCORM packaging is that you cannot edit it once it’s been published to the Blackboard server. StudyMate Author is also unable to append to or replace a SCORM object once published to the server. (For more information on SCORM, see the section “*Exporting a SCORM Package.*”)

The first time StudyMate Author is used to publish a Flash object to Blackboard (version 6.0 or higher), information must be entered about the Blackboard server and user account.

From the pull-down list labeled “Blackboard” select the “Add New Server” option.

Blackboard Server and Course [X]

To automatically set the server information for your institution:

1. Open your browser, go to the Blackboard "Login" page where you type in your name & password, copy the "Address" of the page from the browser to the box below.
(If you type your name & password into a small grey popup window, leave the box blank.)

[Empty text box]

2. In your browser go to the course you want to use, then go to the "Control panel" page and copy the Address into the box below

[Empty text box]

3. Press Extract

[Extract >>]

Server name, e.g. "bboard1.univ.edu" Course ID, e.g. "_2_141"

bb6.statecollege.edu _4_1

Login type Login page Institution code

JSP-1 /webapps/login?new_loc=%2Fwebapp 0

Server Port 80 Secure Server? ☐ Yes, HTTPS:// always

Login Port: 0 If HTTPS used only for login, otherwise set to 0

LDAP & Kerberos logins may need to manually set Type=PL-1, Login port= 443

The information below must be entered manually:

Description My Bb Server Version Version 6.0

(text to display in the server selection list, e.g. "My Bb server")

User name JaneDoe Password *****

☒ Remember my User Name and Password (save them on this computer) --
If this is a shared computer, un-check this box!

As instructed on the screen, the first step is to open a web browser and to go to the Login page for your Blackboard course. **Be sure that you are at the actual page where you enter your user name and password, not a preliminary web page or portal.** Copy the complete URL for this page and paste it in the field provided. (The easiest way to copy an URL that is displayed by a browser is to highlight it with your mouse, click the **right** mouse button, and select “copy”. Then go to the appropriate field in StudyMate Author, click the **right** button again and select “paste”).

The second step requires you to log into your Blackboard course and select the “Control Panel” page. Again, copy the URL address displayed in the browser to the appropriate field in StudyMate Author. Upon clicking the “Extract” button, StudyMate Author will then fill in the Server Name and Course ID information needed to connect to the course.

The default “server port” is 80, but some institutions use a different port number for their Blackboard server. StudyMate Author generally detects the port number automatically during the extract step. But if it doesn’t, you can easily identify the correct port number by looking at the course URL. For example, the port number for the following Blackboard course is 8900:

http://bb.statecollege.edu:8900/bin/common/course.pl?course_id=_31_1. (If no port number is shown in the URL, the setting should be left at 80.)

If your Blackboard system is installed on a "secure server" (https://), the appropriate checkbox should be selected. This checkbox should only be selected if the web browser address for your course begins with "https://" instead of the normal "http://" (note the "s").

Now provide a short description for the Blackboard server. You can call the server anything you want, such as “My Blackboard account”. If you access more than one Blackboard server, you will want to select a name that helps distinguish the two servers.

Enter your *User Name* and *Password*. This information should be entered exactly as you would if using a web browser to access your Blackboard course. If you want StudyMate Author to remember your User Name and Password for future sessions, select the “Remember my User Name...” checkbox.

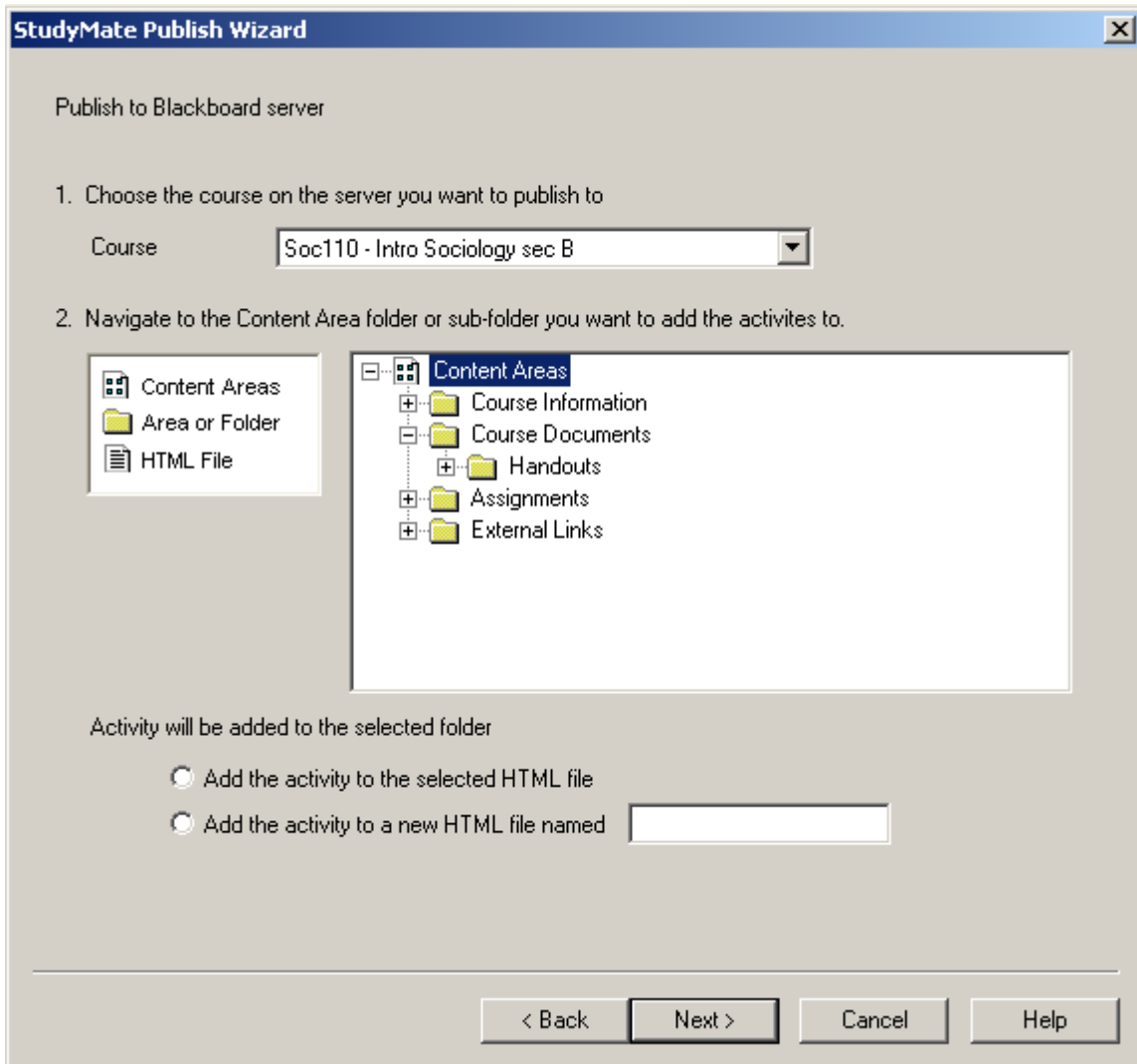
Once the server settings have been entered click [OK] to close the window. Confirm that you have a live connection to the Internet and click [Next]. StudyMate Author will then attempt to connect to your Blackboard server. The hour-glass in Windows will appear momentarily. If the connection is successful, the next page of the wizard will appear.

If the connection to the Blackboard course is unsuccessful, an error message will indicate that StudyMate Author was unable to connect to the server using the provided settings. If this occurs, troubleshoot it as follows:

- Make sure you are running Blackboard 6.0 or higher

- Make sure your connection to the Internet is working properly.
- Double-check the Password and User ID information. In fact, open your browser, go to the Blackboard server that hosts your account, and enter the identical information. This will confirm that your Blackboard Server is up-and-running and that your User ID and Password are correct.
- Check the server port and secure server settings are correct
- Make sure you are running the latest version of StudyMate Author (go to Help>Check for Update to see if a more current version is available)

Once a successful connection has been made to the Blackboard server and you have continued to the next page of the wizard, you are prompted to select a course. Click the pull-down list labeled “Course” to view the list of courses. Then select the course to which you want to publish the Flash object. The Windows hourglass will again appear as StudyMate Author retrieves a list of the Content Areas contained in the course.



Now select a Content Area folder or sub-folder where the Flash object should be published. For instance, you might select the “Course Documents” folder or a sub-folder contained within it. If you are doing a “standard upload” (opposed to a SCORM package), the Flash object must be attached to an HTML page within the selected folder. So decide whether to append it to an existing HTML page or to create a new HTML page altogether. If you are creating a new HTML file, enter the name in the field provided. Then click [Next] to continue.

The options on the next page of the wizard are dependent on previous selections. If you are doing a “standard upload” and are having StudyMate Author create an entirely new HTML page, the option to “Add the StudyMate activity to the new file” is already selected. However, if you are appending the object to an existing HTML page, there are two options: 1) the Flash object can be placed at the bottom or top of the page or, 2) the Flash object can replace an existing StudyMate Flash object that was previously published.

StudyMate Publish Wizard [X]

Publish to Blackboard server

1. Content Area: Handouts
HTML file: Week2.htm

☒ Add the StudyMate Activity to the new file

☐ Replace the StudyMate Activity selected: [Dropdown]

2. Title to be displayed on the Blackboard page for the StudyMate Activity (e.g. "StudyMate - Chapter 1")

[Text: StudyMate - Week2]

Optional text or directions to appear below the title

[Text: Here are several activities and games based on the second week of course material.]

3. Some StudyMate activities display a title within the activity

☒ Use the following title: [Text: Sociology Research] (up to 50 characters)

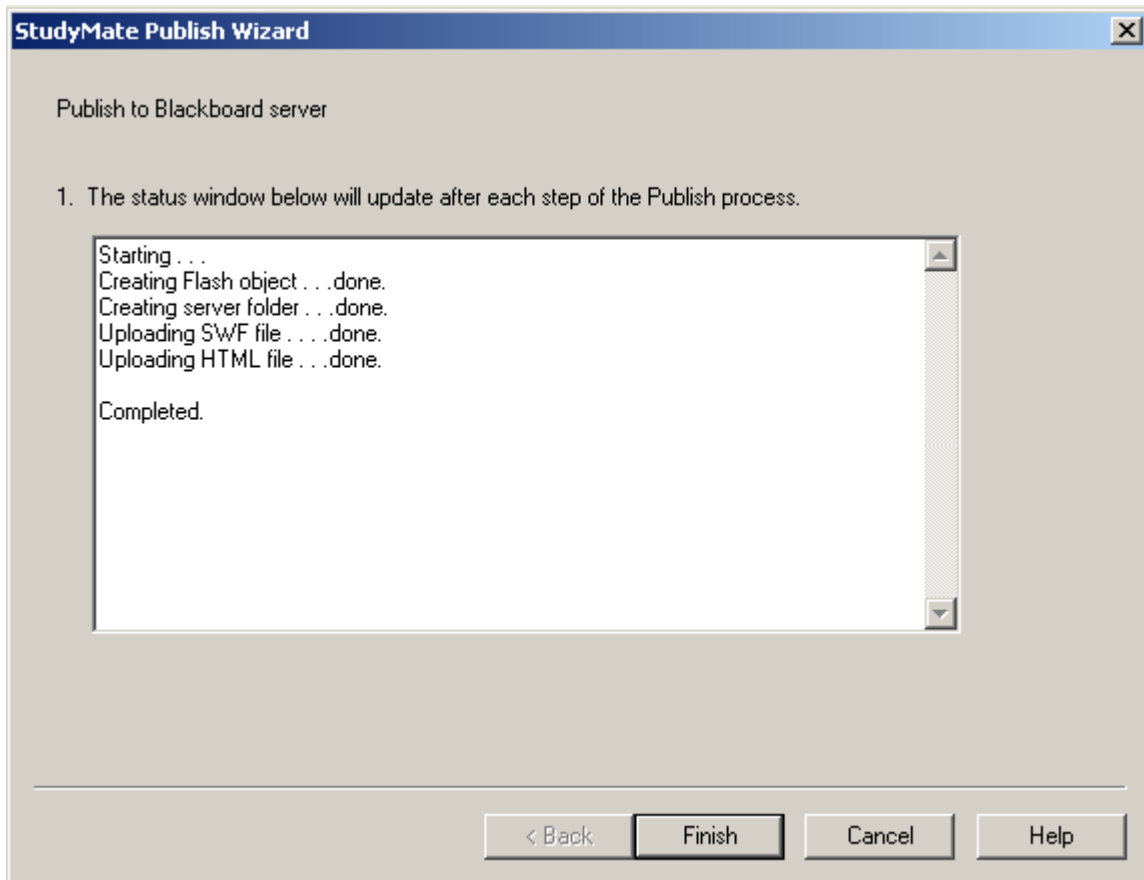
☐ Don't display a title within the StudyMate activities themselves

[< Back] [Next >] [Cancel] [Help]

In the next section enter the title that should appear on the HTML page (the text will appear directly above the links to the Flash activities). Additional text, such as instructions to the student, can be added below the title.

In the following section, there is an option to provide a title that will appear in the Flash activities themselves. For example, the top row in the *Challenge* game can display a title such as "Psychology - Fall Competition!"

StudyMate Author has now gathered all the information needed to publish the StudyMate activities to the Blackboard course. Click [Next] to complete the publishing process.



A status report is generated as StudyMate Author communicates with the Blackboard server. You will be told when the publishing step is complete. Then log into your Blackboard course and confirm that everything is published to your expectation.

Publishing to WebCT CE 4.x

The first time that StudyMate Author is used to publish a Flash object to WebCT CE 4, information must be entered about the WebCT server and user account.

From the pull-down list labeled "WebCT Server" select the "Add New Server" option. The following window will appear:

WebCT Server Settings

To automatically set the server information for your institution:

1. Open your browser, go to the WebCT "Login" page where you type in your name & password, copy the "Address" of the page from the browser to the box below.
(If you type them into a small grey popup window, leave the box blank.)
2. In your browser go to the home page for any course, then copy the Address into the box below
3. Press Extract
4. Enter a name to describe this WebCT server (e.g. "My WebCT Server")
5. User name Password

☒ Remember my User Name and Password (save them on this computer) --
If this is a shared computer, un-check this box!

OK
Cancel
Delete

Extract >>

Server name, e.g. "webct1.univ.edu"

Login Port: Server Port

Secure Server? ☐ Yes, HTTPS:// used on all pages

Leave "Login Port" set to 0 unless the server shows "https:" for only the login page, while course pages show "http:"

Description

As instructed on the screen, the first step is to open a web browser and to go to the Login page for your WebCT course. **Be sure that you are at the actual page where you enter your user name and password, not a preliminary web page or portal.** Copy the complete URL for this page and paste it in the field provided. (The easiest way to copy an URL that is displayed by a browser is to highlight it with your mouse, click the **right** mouse button, and select "copy". Then go to the appropriate field in StudyMate Author, click the **right** button again and select "paste".)

The second step requires you to log into your WebCT and go to the Home Page. Again, copy the URL address displayed in the browser to the appropriate field in StudyMate Author. Upon clicking the "Extract" button, StudyMate Author will then fill in the Server Name and additional information needed for connecting to the course.

The default "server port" is 80, but some institutions use a different port number for their WebCT server. StudyMate Author generally detects the port number automatically during the extract step. But if it doesn't, you can easily identify the correct port number by looking at the course URL. For example, the port number for the following WebCT

course is 8900: <http://www.webct.statecollege.edu:8900>. (If no port number is shown in the URL, the setting should be left at 80.)

If your WebCT system is installed on a "secure server" (<https://>), the appropriate checkbox should be selected. This checkbox should only be selected if the web browser address for your course begins with "<https://>" instead of the normal "<http://>" (note the "s").

Now provide a short description for the WebCT server. You can call the server anything you want, such as "My WebCT account". If you access more than one WebCT server, you will want to select a name that helps distinguish the two servers.

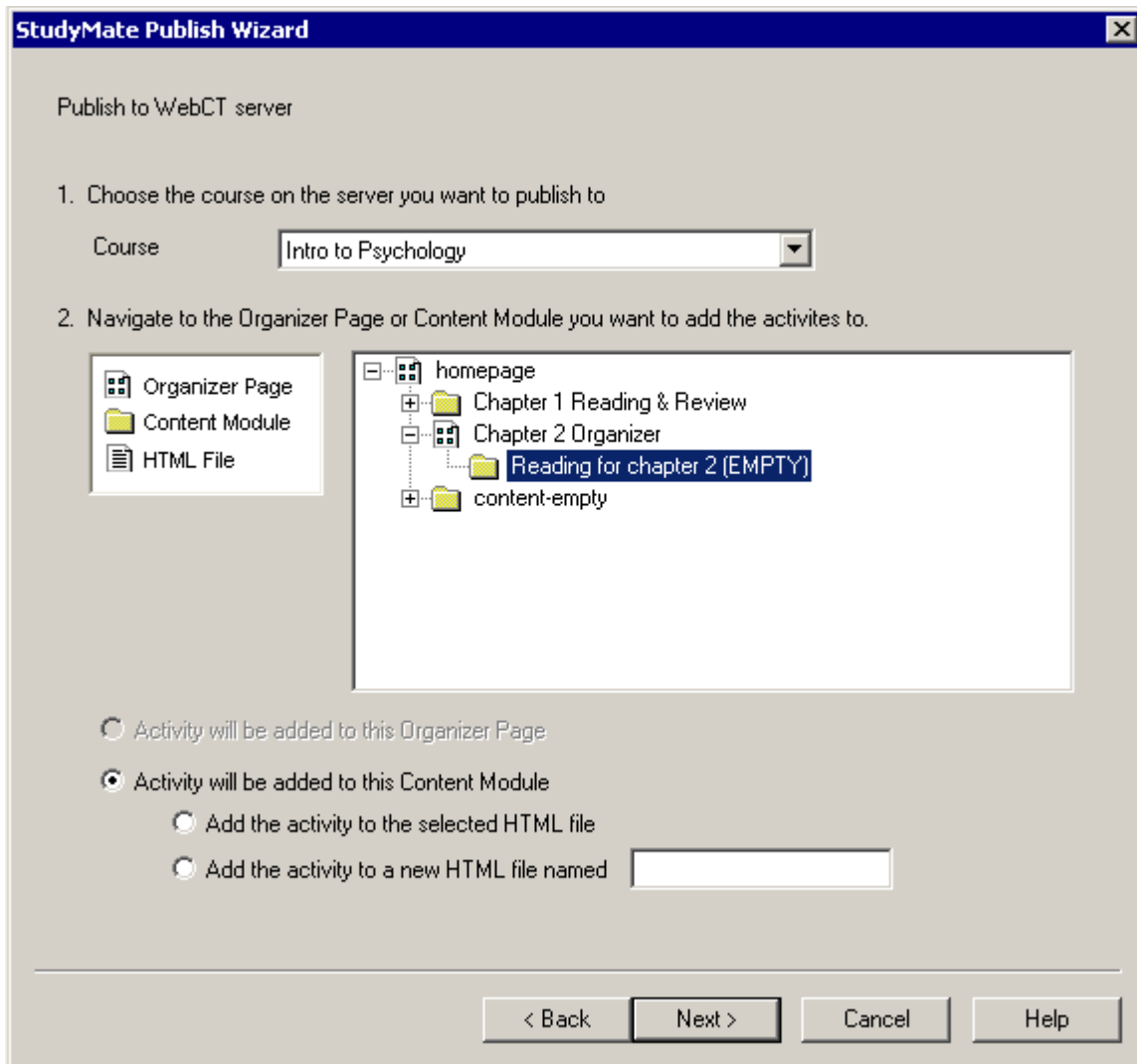
Enter your *User Name* and *Password*. This information should be entered exactly as you would if using a web browser to access your WebCT course. If you want StudyMate Author to remember your User Name and Password for future sessions, select the "Remember my User Name..." checkbox.

Once the server settings have been entered click [OK] to close the window. Confirm that you have a live connection to the Internet and click [Next]. StudyMate Author will then attempt to connect to your WebCT server. The hour-glass in Windows will appear momentarily. If the connection is successful, the next page of the wizard will appear.

If the connection to the WebCT course is unsuccessful, an error message will indicate that StudyMate Author was unable to connect to the server using the provided settings. If this occurs, troubleshoot it as follows:

- Make sure you are running WebCT CE 4.x
- Make sure your connection to the Internet is working properly.
- Double-check the Password and User ID information. In fact, open your browser, go to the WebCT server that hosts your account, and enter the identical information. This will confirm that your WebCT server is up-and-running and that your User ID and Password are correct.
- Check the server port and secure server settings are correct
- Make sure you are running the latest version of StudyMate Author (go to Help>Check for Update to see if a more current version is available)

Once a successful connection has been made to the WebCT server and you have continued to the next page of the wizard, you'll be prompted to select a course. Click the pull-down list labeled "Course" to view the list of courses. Then select the course to which you want to publish the Flash object. The Windows hourglass will again appear as StudyMate Author retrieves a list of the Organizer Pages, Content Modules, and HTML files contained in the course.



Now select the location in the course where the Flash object should be published. If the object is being published to a Content Module, it must be attached to an HTML page within the module. So decide whether you want to append it to an existing HTML page or whether you want to create an entirely new HTML page. If you are creating a new HTML file, enter the name in the field provided. Then click [Next] to continue.

The options on the next page of the wizard depend on what was selected in the previous step. If you are having StudyMate Author create an entirely new HTML page, the option to “Add the StudyMate activity to this page or file” is already selected. However, if you are appending the object to an existing HTML page, there are two options: 1) the Flash object can be placed at the bottom or top of the page, or, 2) the Flash object can replace an existing StudyMate Flash object that was previously published.

StudyMate Publish Wizard [X]

Publish to WebCT server

1. Content Module: content-empty
HTML file: Psych one review

☒ Add the StudyMate Activity to this page or file, at: bottom of page ▾

☐ Replace the StudyMate Activity selected: ▾

2. Title to be displayed on the WebCT page for the StudyMate Activity (e.g. "StudyMate Activities - Chapter 1")

Optional text or directions to appear below the title (not displayed on Organizer pages)

3. Some StudyMate activities display a title within the activity

☐ Use the following title: (up to 50 characters)

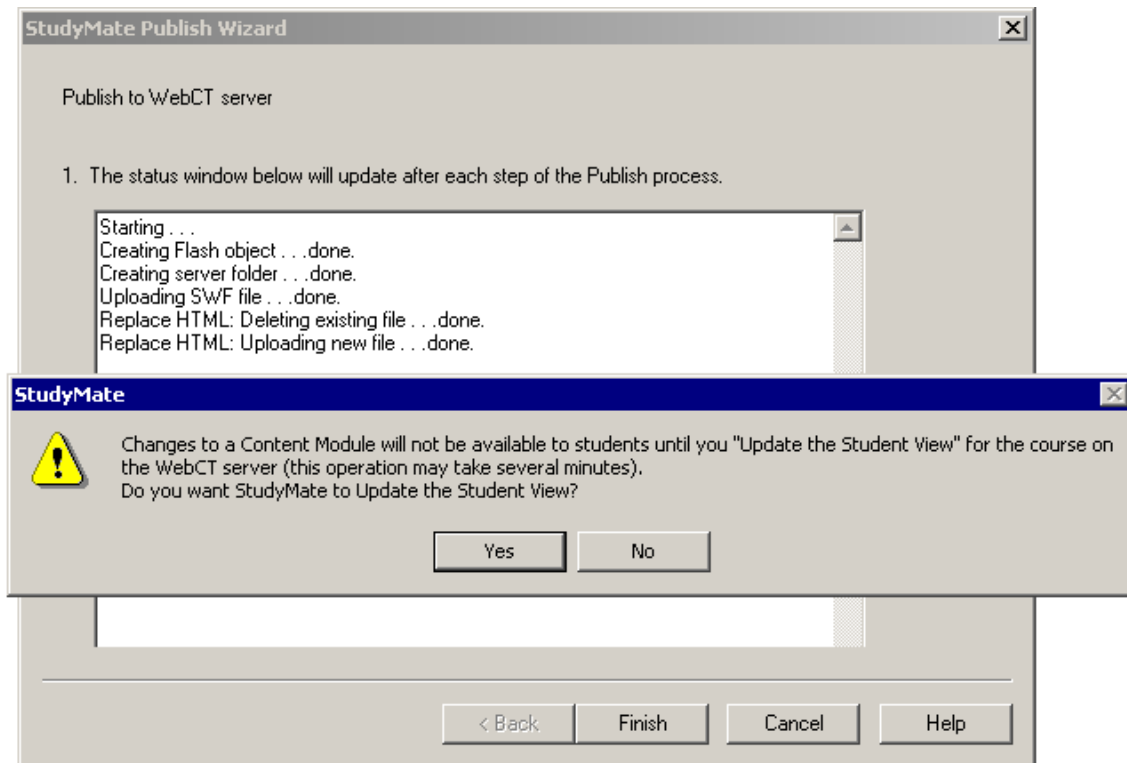
☐ Don't display a title within the StudyMate activities themselves

< Back Next > Cancel Help

In the next section enter the title that should appear on the HTML page (the text will appear directly above the links to the Flash activities). Additional text, such as instructions to the student, can be added below the title.

In the third and final section, there is an option to provide a title that will appear in the Flash activities themselves. For example, the top row in the *Challenge* game can display a title such as "Psychology - Fall Competition!"

StudyMate Author has now gathered all the information needed to publish the StudyMate activities to the WebCT course. Click [Next] to complete the publishing process.



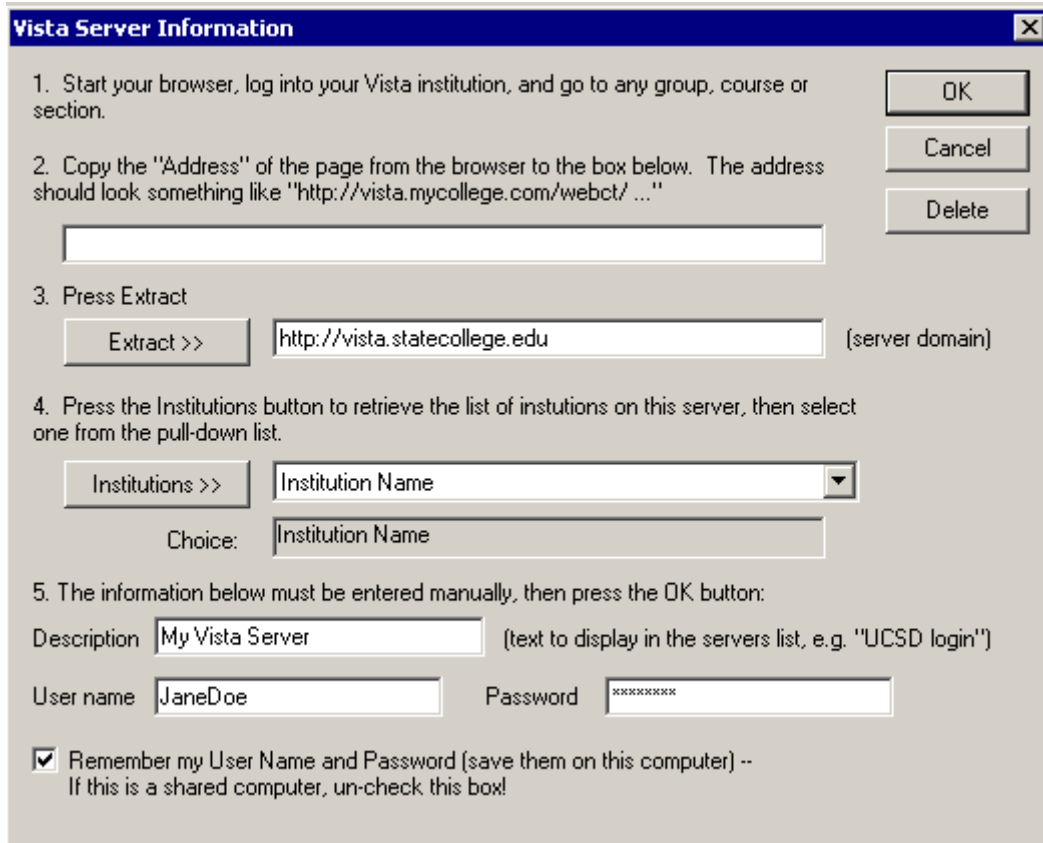
A status report is generated as StudyMate Author communicates with the WebCT server. If the Flash object is being published to a Content Module, a message will appear at the end of the publishing step that asks whether you want to update the Student View. (Even though a WebCT designer can immediately see the Flash object once it's been published to the WebCT course, students won't be able to see it until you have updated the Student View. We recommend that you answer "Yes" to this prompt.)

The publishing step is complete. Log into your WebCT course and confirm that everything is published to your expectation.

Publishing to WebCT Vista (3.0 or higher) or WebCT CE 6

StudyMate Author can upload two formats of the Flash activities to a WebCT Vista/CE 6 server. A "standard upload" results in a Flash (.swf) file and an HTML file to be uploaded to the specified area in WebCT Vista/CE 6. A second option allows a SCORM package to be uploaded to the course or section. The main advantage to using SCORM packaging is that a student score from any activity can be passed back to the SCORM gradebook (only the score for the first attempt is saved). A disadvantage of SCORM packaging is that you cannot edit it once it's been published to the WebCT server. StudyMate Author is also unable to append to or replace a SCORM object once published to the server. (For more information on SCORM, see the section "*Exporting a SCORM Package.*")

The first time StudyMate Author is used to publish a Flash object to WebCT Vista/CE 6, information must be entered about the WebCT server and user account. From the pull-down list labeled "Vista Server" select the "Add New Server" option. The following window will appear:



The dialog box is titled "Vista Server Information" and contains five numbered steps for adding a new server. Step 1: Start your browser, log into your Vista institution, and go to any group, course or section. Step 2: Copy the "Address" of the page from the browser to the box below. The address should look something like "http://vista.mycollege.com/webct/ ...". Step 3: Press Extract. Step 4: Press the Institutions button to retrieve the list of institutions on this server, then select one from the pull-down list. Step 5: The information below must be entered manually, then press the OK button.

Buttons: OK, Cancel, Delete (top right); Extract >> (step 3); Institutions >> (step 4); OK (step 5).

Fields: A large text box for the address (step 2); A text box containing "http://vista.statecollege.edu" with "(server domain)" to its right (step 3); A pull-down menu labeled "Institution Name" with a dropdown arrow (step 4); A text box labeled "Choice:" containing "Institution Name" (step 4); A text box labeled "Description" containing "My Vista Server" with "(text to display in the servers list, e.g. 'UCSD login')" to its right (step 5); A text box labeled "User name" containing "JaneDoe" (step 5); A text box labeled "Password" containing "xxxxxxx" (step 5); A checkbox labeled "Remember my User Name and Password (save them on this computer) -- If this is a shared computer, un-check this box!" (step 5).

The first step requires you to start a web browser, log into your Vista course, and go to any group or section. For the second step, copy the complete URL for this page and paste it in the field provided. (The easiest way to copy the URL is to highlight it with your mouse, click the **right** mouse button, and select "copy". Then go to the appropriate field in Respondus, click the **right** button again and select "paste".)

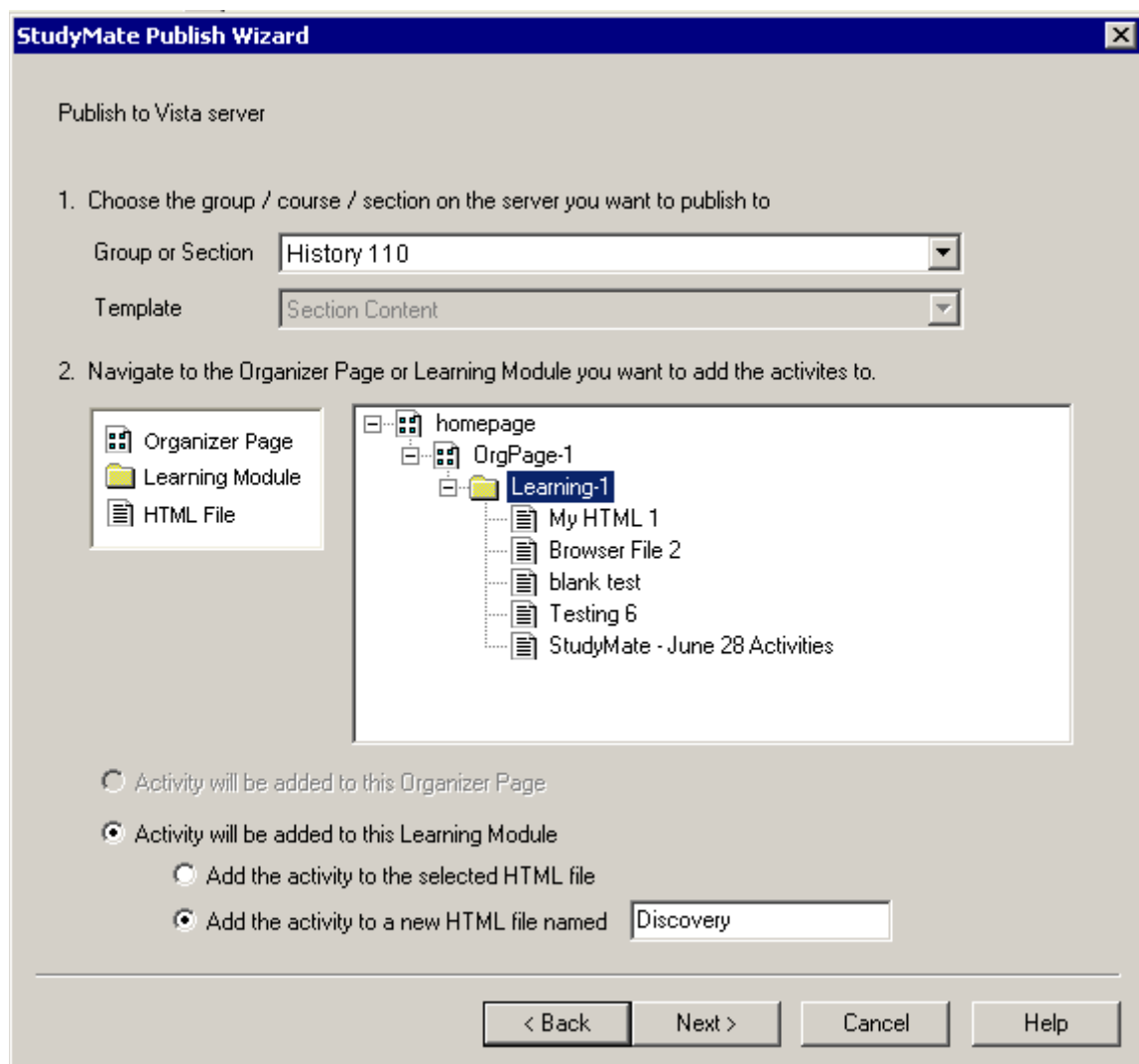
Before proceeding with the third step, make sure your Internet connection is live. Then click the "Extract" button. For the fourth step, click the "Institutions" button and then choose your institution from the list that becomes available.

For the fifth step, enter whatever name you like for the description of the WebCT Vista server, such as "My Vista Server". Also enter your designer-level *User Name* and *Password* exactly as you would if using a web browser to access your WebCT Vista courses. (Note, you must have a designer-level -- or higher -- account to publish exams to Vista. You cannot create exams in Vista using instructor-level, teaching assistant, or student accounts.)

Finally, if you want StudyMate Author to remember your User Name and Password for future sessions, select the “Remember my User Name...” checkbox.

Once the server settings have been entered click [OK] to close the window. Confirm that you have a live connection to the Internet and click [Next]. StudyMate Author will then attempt to connect to your WebCT server. The hour-glass in Windows will appear momentarily. If the connection is successful, the next page of the wizard will appear.

StudyMate Author now looks up the Groups and Sections that are available to you and displays them in the drop-down list. Select the group or section to which the Flash object will be published. The Windows’ hourglass will again appear as Respondus determines whether additional templates are associated with the Group or Section that was selected. If more than one template is available, select the one to be used.



Now select the location in the course where the Flash object should be published, either an Organizer Page or a Learning Module. For a “standard upload,” the HTML/SWF files need to be attached to an HTML page if published to a Learning Module. So decide

whether to append it to an existing HTML page or whether to have it create an entirely new HTML page. If you are creating a new HTML file, enter the name in the field provided. Then click [Next] to continue.

The options on the next page of the wizard are dependent on previous selections. If you are doing a standard upload of HTML/SWF files and are having StudyMate Author create an entirely new HTML page, the option to “Add the StudyMate activity to this page or file” is already selected. However, if you are appending the activities to an existing HTML page, there are two options: 1) the Flash object can be placed at the bottom or top of the page, or, 2) the Flash object can replace an existing StudyMate Flash object that was previously published. (These options won’t appear if publishing a SCORM package.)

The screenshot shows the 'StudyMate Publish Wizard' window. The title bar is blue with the text 'StudyMate Publish Wizard' and a close button. The main area is light gray. At the top, it says 'Publish to Vista server'. Below this, there are three numbered steps. Step 1: 'Learning Module: Learning-1' and 'HTML file: Discovery.html'. It has two radio buttons: 'Add the StudyMate Activity to this page or file' (which is selected) and 'Replace the StudyMate Activity selected:' (which is unselected). Step 2: 'Title to be displayed on the Vista page for the StudyMate Activity (e.g. "StudyMate Activities - Chapter 1")'. It has a text box containing 'StudyMate Activities - Chapter 4'. Below this is a label 'Optional text or directions to appear below the title' and a text area containing 'The activities below are based on lecture materials and Chapter 4 in the textbook. These activities will provide good preparation for the midterm exam.' Step 3: 'Some StudyMate activities display a title within the activity'. It has two radio buttons: 'Use the following title:' (selected) and 'Don't display a title within the StudyMate activities themselves'. The 'Use the following title:' option has a text box containing 'Discovery & Exploration' and '(up to 50 characters)' next to it. At the bottom, there are four buttons: '< Back', 'Next >', 'Cancel', and 'Help'. The 'Next >' button is highlighted with a dashed border.

StudyMate Publish Wizard

Publish to Vista server

1. Learning Module: Learning-1
HTML file: Discovery.html

☒ Add the StudyMate Activity to this page or file

☐ Replace the StudyMate Activity selected:

2. Title to be displayed on the Vista page for the StudyMate Activity (e.g. "StudyMate Activities - Chapter 1")

StudyMate Activities - Chapter 4

Optional text or directions to appear below the title

The activities below are based on lecture materials and Chapter 4 in the textbook. These activities will provide good preparation for the midterm exam.

3. Some StudyMate activities display a title within the activity

☒ Use the following title: Discovery & Exploration (up to 50 characters)

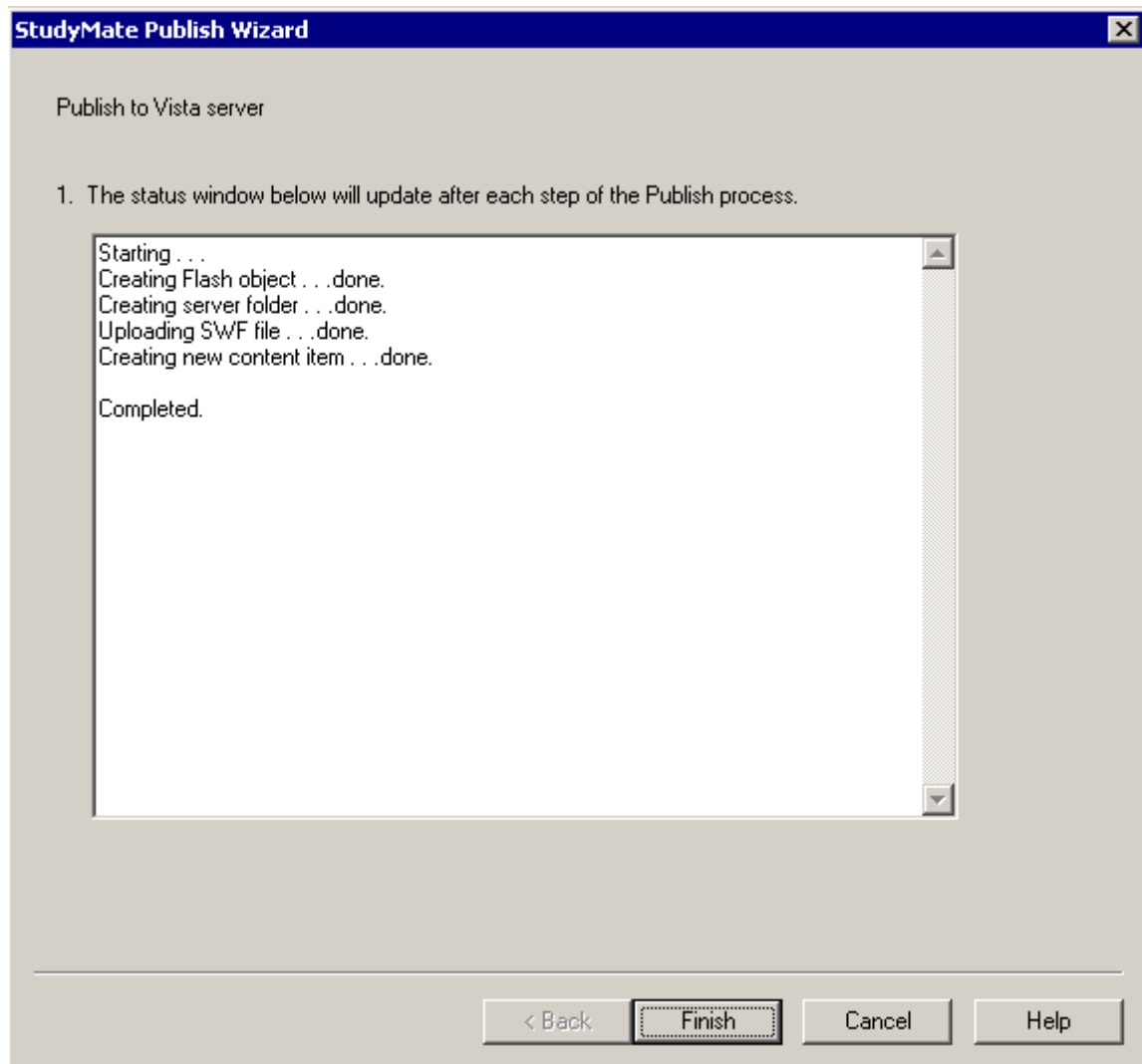
☐ Don't display a title within the StudyMate activities themselves

< Back Next > Cancel Help

In the next section enter the title that should appear on the HTML page (the text will appear directly above the links for the Flash activities). Additional text, such as instructions to the student, can be added below the title.

In the following section there is an option to provide a title that will appear in the Flash activities themselves. For example, the top row in the *Challenge* game can display a title such as “Discovery & Exploration”.

StudyMate Author has now gathered all the information needed to publish the StudyMate activities to the WebCT course. Click [Next] to complete the publishing process.



A status report is generated as StudyMate Author communicates with the Vista server. Once the publishing steps are complete, log into your Vista course and confirm that everything is published to your expectation.

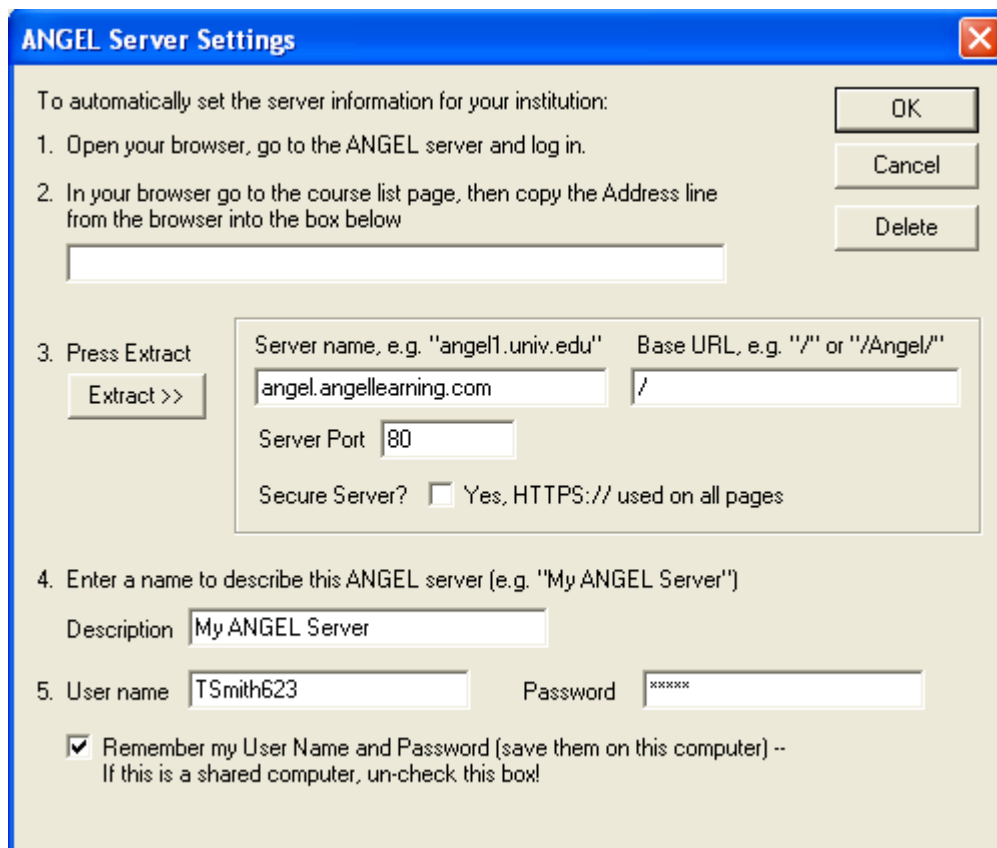
Publishing to ANGEL (6.3 or higher)

StudyMate Author can upload two formats of the Flash activities to an ANGEL server. A “standard upload” results in a Flash (.swf) file and an HTML file being uploaded to the

specified area in ANGEL. A second option allows a SCORM package to be uploaded to the ANGEL lesson area. The main advantage to using SCORM packaging is that a student score from any activity can be passed back to the SCORM gradebook (only the score for the first attempt is saved). A disadvantage of SCORM packaging is that you cannot edit it once it's been published to the ANGEL server. StudyMate Author is also unable to append to or replace a SCORM object once published to the server. (For more information on SCORM, see the section "*Exporting a SCORM Package.*")

The first time StudyMate Author is used to publish activities to ANGEL (version 6.3 or higher), information must be entered about the ANGEL server and user account.

From the pull-down list labeled "ANGEL Server," select the "Add New Server" option. The following window will appear:



The image shows a Windows-style dialog box titled "ANGEL Server Settings". It contains instructions for setting up an ANGEL server. The instructions are numbered 1 through 5. Step 1 says to open a browser and log in. Step 2 says to copy the address line and paste it into a text box. Step 3 says to press "Extract" and then click an "Extract >>" button. Step 4 says to enter a name to describe the server and enter it into a "Description" field. Step 5 says to enter a user name and password into their respective fields. There is also a checkbox for "Remember my User Name and Password" and a checkbox for "Secure Server?". The "OK", "Cancel", and "Delete" buttons are on the right side of the dialog box.

ANGEL Server Settings

To automatically set the server information for your institution:

1. Open your browser, go to the ANGEL server and log in.

2. In your browser go to the course list page, then copy the Address line from the browser into the box below

3. Press Extract

Extract >>

Server name, e.g. "angel1.univ.edu" Base URL, e.g. "/" or "/Angel/"

angel.angellearning.com /

Server Port 80

Secure Server? ☐ Yes, HTTPS:// used on all pages

4. Enter a name to describe this ANGEL server (e.g. "My ANGEL Server")

Description My ANGEL Server

5. User name TSmith623 Password xxxxxx

☒ Remember my User Name and Password (save them on this computer) -- If this is a shared computer, un-check this box!

OK Cancel Delete

The first step requires you to start a web browser, log into your ANGEL course, and go to the course list page. For the second step, copy the complete URL for this page and paste it in the field provided. (The easiest way to copy the URL is to highlight it with your mouse, click the **right** mouse button, and select "copy." Then go to the appropriate field in Respondus, click the **right** button again and select "paste.")

Before proceeding with the third step, make sure your Internet connection is live. Then click the "Extract" button.

For the fourth step, enter whatever name you like for the description of the ANGEL server, such as “My ANGEL Server.” Also enter your *User Name* and *Password* exactly as you would if using a web browser to access your ANGEL course.

Finally, if you want StudyMate Author to remember your User Name and Password for future sessions, select the “Remember my User Name...” checkbox.

Once the server settings have been entered click [OK]. Click [Next] to continue to the next page of the wizard.

StudyMate Author now looks up the courses that are available to you and displays them in the drop-down list. Select the course to which the Flash object will be published.

The screenshot shows the 'StudyMate Publish Wizard' window. The title bar is blue with the text 'StudyMate Publish Wizard' and a close button. The main area has a light beige background. At the top, it says 'Publish to Angel server - Standard Upload'. Below this, there are two numbered steps. Step 1 is 'Choose the course on the server you want to publish to', with a 'Course' label and a dropdown menu showing '(CSE510F05A) CSE510 F05A Application of Algorithms'. Step 2 is 'Navigate to the folder you want to add the activities to'. It features a tree view on the left with icons for 'Lesson Area', 'Folder', and 'File Item'. The main tree view on the right shows a hierarchy: 'Lesson Area' (expanded) contains 'Chapter 1' (expanded), which contains 'Section 1 - Unsorted Data' and 'Section 2 - Sorted data' (selected), and 'Chapter 2'. Below the tree view, it says 'Activities will be added to the selected folder'. There are two radio buttons: 'Replace the selected File item (removes any existing data or files associated with the item)' and 'Create a new File item with the title:'. The second option is selected. Below the radio buttons are two text input fields: 'History of Sorting' for the title and 'Bubble, Merge, Quicksort' for the optional subtitle. At the bottom, there are four buttons: '< Back', 'Next >', 'Cancel', and 'Help'.

StudyMate Publish Wizard

Publish to Angel server - Standard Upload

1. Choose the course on the server you want to publish to

Course: (CSE510F05A) CSE510 F05A Application of Algorithms

2. Navigate to the folder you want to add the activities to

Lesson Area

- Chapter 1
 - Section 1 - Unsorted Data
 - Section 2 - Sorted data
- Chapter 2

Activities will be added to the selected folder

☐ Replace the selected File item (removes any existing data or files associated with the item)

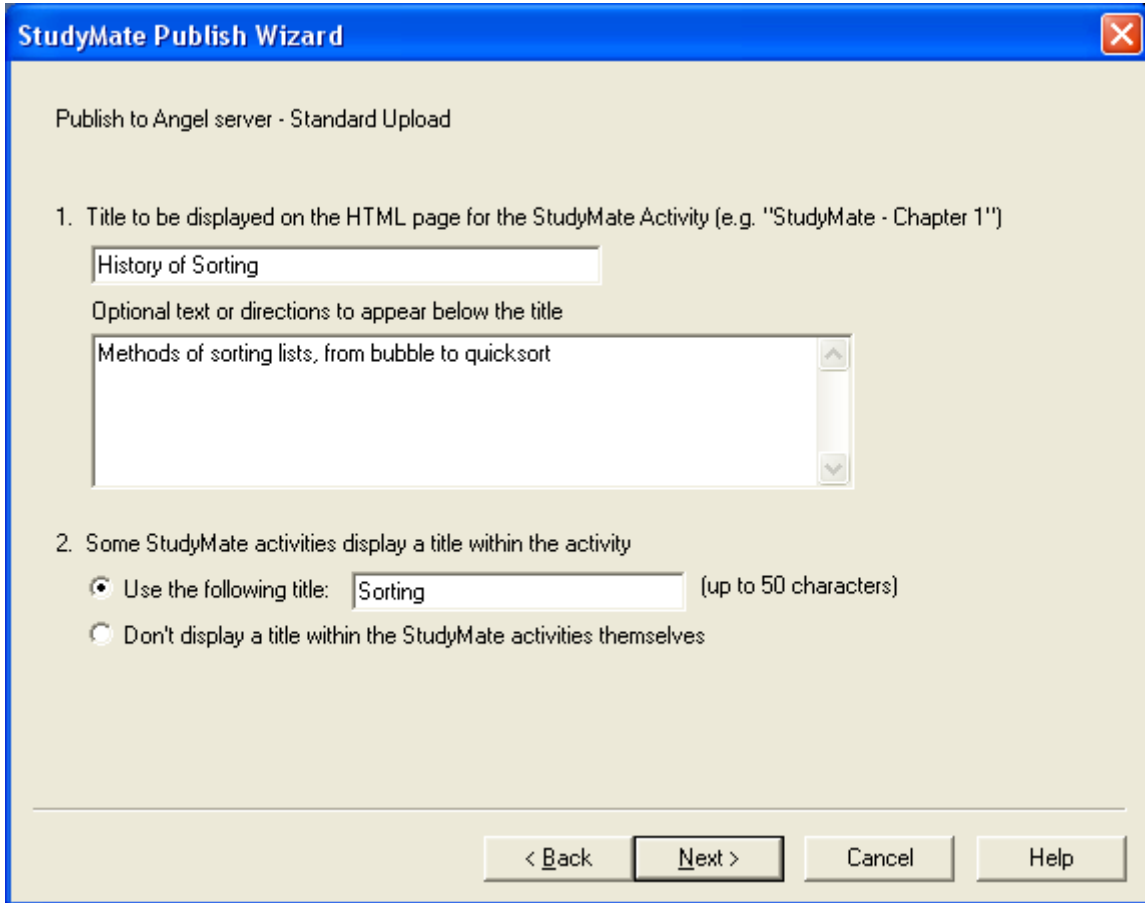
☒ Create a new File item with the title: History of Sorting

Optional subtitle: Bubble, Merge, Quicksort

< Back Next > Cancel Help

Now select the lesson area and folder to where the Flash object should be published. Indicate whether StudyMate Author should replace the selected file item or create a new one. In the latter case, enter a file name and a subtitle. Click [Next] to continue.

The display of the next page of the wizard depends on previous selections. If a standard set of HTML/SWF files are being uploaded, then enter a “title” for the HTML page that will display the links for the StudyMate activities. Additional text can also appear below the title.



The image shows a Windows-style dialog box titled "StudyMate Publish Wizard" with a red close button in the top right corner. The main area has a light beige background. At the top, it says "Publish to Angel server - Standard Upload". Below this, there are two numbered steps. Step 1 is "Title to be displayed on the HTML page for the StudyMate Activity (e.g. 'StudyMate - Chapter 1')". It has a text input field containing "History of Sorting". Below this is a label "Optional text or directions to appear below the title" followed by a larger text area containing "Methods of sorting lists, from bubble to quicksort". Step 2 is "Some StudyMate activities display a title within the activity". It has two radio button options. The first is "Use the following title:" with a text input field containing "Sorting" and a note "(up to 50 characters)". The second is "Don't display a title within the StudyMate activities themselves". At the bottom of the dialog are four buttons: "< Back", "Next >", "Cancel", and "Help".

StudyMate Publish Wizard

Publish to Angel server - Standard Upload

1. Title to be displayed on the HTML page for the StudyMate Activity (e.g. "StudyMate - Chapter 1")

History of Sorting

Optional text or directions to appear below the title

Methods of sorting lists, from bubble to quicksort

2. Some StudyMate activities display a title within the activity

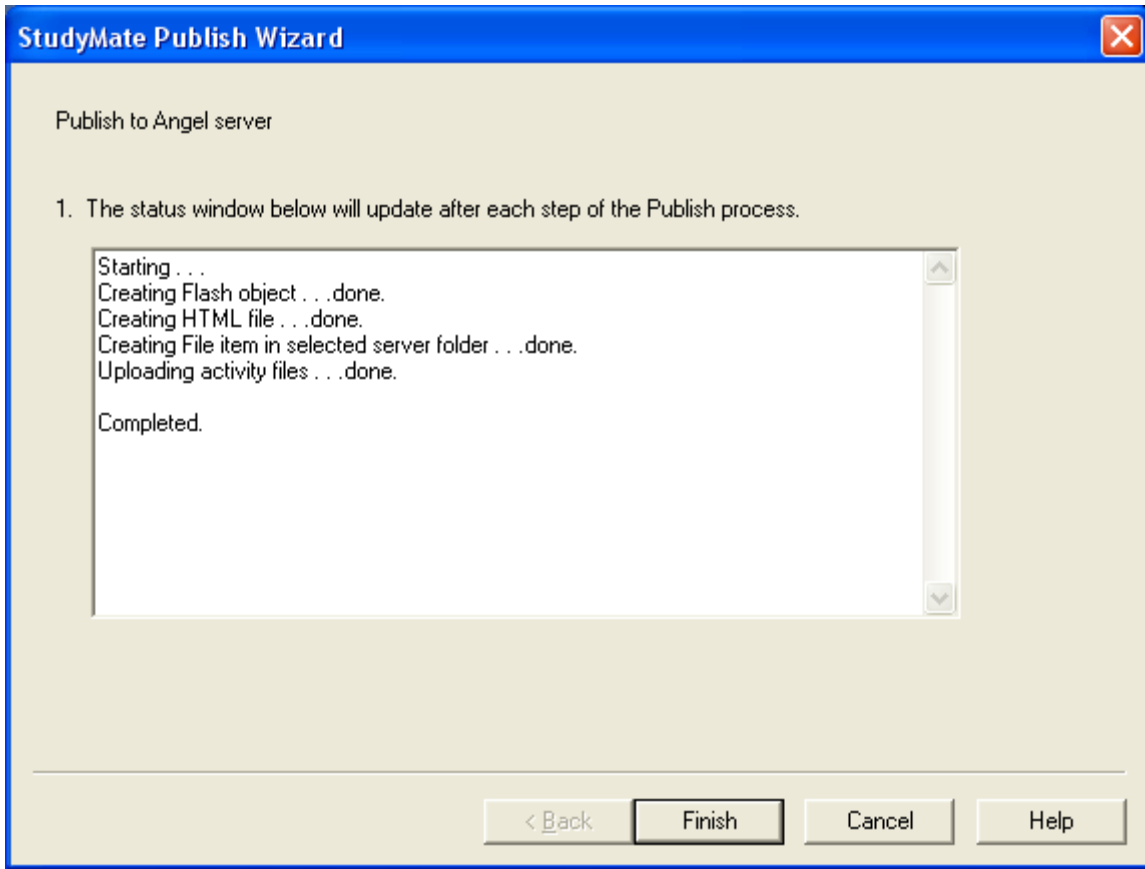
☒ Use the following title: Sorting (up to 50 characters)

☐ Don't display a title within the StudyMate activities themselves

< Back Next > Cancel Help

Some StudyMate activities display a title within the game or activity itself. For example, the top section of the *Challenge* game can display a title such as “History of Algorithms”. Enter this text if you like.

StudyMate Author now has all the information needed to publish the StudyMate activities to the ANGEL course. Click [Next] to complete the publishing process.



A status report is generated as StudyMate Author communicates with the ANGEL server. Once the publishing steps are complete, log into the ANGEL course and confirm that everything is published to your expectation.

Exporting HTML+SWF Files

If you want to export a StudyMate activity so that it can be added to a web page, you must use a bit of HTML code. StudyMate Author will provide the needed HTML code when the SWF is exported.

Start the StudyMate Publish Wizard and select the activities to be included with the Flash file. On the next page of the wizard select the “HTML+SWF” option and click [Next].

You are now prompted to enter the title that should appear on the HTML page (the title text will appear directly above the links to the Flash activities). Additional text, such as instructions to the student, can be added below the title.

In the next section, there is an option to provide a title that will appear in the Flash activities themselves. For example, the top row in the *Challenge* game can display a title such as “Psychology - Fall Competition!”

Finally, click the [Save As] button and browse to a location on your hard drive to where the Flash file and HTML file should be saved. Once a folder is selected, click [Finish] to complete the export process.

In order to view the exported StudyMate activities, you must open the HTML file that was exported, not the .swf file itself. (The browser needs the HTML code, including settings contained in the HTML file, in order to properly start the Flash object.)

The final step is to upload the files to your web server. You can either upload both the HTML page and the SWF file to the same folder on the web server, or you can add the body of the HTML file to one of your own pages and upload only the SWF file (place it in the same folder).

Exporting a SCORM Package

The Shareable Content Object Reference Module (SCORM) is an XML specification that enables the reuse and migration of web-based learning content in different environments and products. Many of the leading course management systems and learning management systems support SCORM, including WebCT Vista/CE6, ANGEL, and Blackboard.

The *Publish Wizard* in StudyMate Author includes a SCORM option *within* the Blackboard, WebCT Vista/CE6, and ANGEL publishing options. It's easier to use these integrated publishing options for SCORM, rather than manually exporting it as a SCORM 1.2 package, as is required for use with other SCORM-compliant systems.

StudyMate supports the "grade" feature in SCORM, which allows a score to be passed from the Flash object to the e-learning system. SCORM only allows one grade to be passed from the object to an e-learning system's gradebook. By default, the "Quiz" activity is used for generating the grade, but it is possible to designate a different StudyMate activity for this purpose within the Publish Wizard.

StudyMate also supports the "time" feature which indicates how much time a student spent on each StudyMate activity. However, this is an optional feature in the SCORM specification and it isn't supported by many e-learning systems.

Exporting a SWF "Collection"

Exporting StudyMate objects to a SWF Collection allows for the creation of individual activities that do not require an accompanying HTML page for "launching" purposes. (Exporting a SWF Collection is an advanced feature and it is important to know that the HTML + SWF publish option is a better choice for most exporting purposes.)

When exporting to a SWF Collection each activity is published as a separate Flash file, such as History_flash.swf (Flash Cards) or History_quiz.swf (Quiz). This approach makes the overall size of the collection much larger as each file is nearly as large as the single shared SWF.

Exporting for iPods, PSP, and other Small Screen Devices

The Publish Wizard includes an option to generate a file that is usable with iPods, Sony PSP, and certain other “small screen devices”. When this option is selected in the Publish Wizard, activities published to the Course Management System can be downloaded by the student for use on their iPod or small screen device. Up to four activities can be generated for small screen devices: *Fact Cards* (from the “No Answer” template), *Flash Cards* (from the “One Answer” Template), *Multiple Choice* (from the “Multiple Choice” template, and *Calculated* (from the "Calculated" template). The activities differ from their Flash counterparts in that they are converted to static images for viewing on the device.

Settings for files created for small screen devices can be found in the *Settings* Menu within the *Small Screen Devices* tab

If the setting for small screen devices is selected on the first step of the Publish Wizard, download links for these files will then appear on the HTML page that lists the other Flash activities that are available.

Age of Discovery

Here are sample activities that will help you review the materials from Chapter 3, "The Age of Discovery"

[Fact Cards](#)
[Fact Cards Plus](#)
[Flash Cards](#)
[Pick a Letter](#)
[Fill In The Blank](#)
[Matching](#)
[Crosswords](#)
[Quiz](#)
[Challenge](#)
[Glossary](#)

Several activities are available for iPod, PSP, etc.
[Download for iPod Video or PSP \(320x240 pixels\)](#)
[Download for iPod Nano \(176x132 pixels\)](#)

[Download and installation instructions](#)

Once the file with the appropriate resolution is downloaded, it is then transferred to the device using software (such as iTunes) or by copying the files to a flash memory card. Instructions for downloading activities and then transferring them to a small screen device can be found at <http://www.respondus.com/studymate/ipod.shtml>.

Print Options

StudyMate Author allows you to print questions and items or save them to MS Word format for further enhancement and printing. To begin, go to the *Preview and Publish* menu in StudyMate Author and select the *Print Options* tab.

The screen now displays the printing options available in StudyMate Author. The first step is to select the *Formatting* options that are desired, including the type and range of items to be included in the printout.

The second step allows you to specify the “header” information to appear at the top of pages, such as a person’s name, the file name, or the date.

In the final step, you can preview the file (formatted selections will be displayed), save the file to MS Word or rich-text format, or send the file directly to a printer.

Other Tools & Features

- Overview
- Preferences
- Save As Copy
- Check for Update

Overview

There are several additional tools in StudyMate Author that offer a range of functions. Each of these is discussed below.

Preferences

Preference settings can be accessed from the *File* menu bar. The first item allows you to move or rename the StudyMate Projects folder. If the folder is moved in Windows, it's essential that the location be updated here.

The second item in preferences determines whether StudyMate Author will automatically check for product updates. The checking occurs every few weeks.

The next item allows you to enter or change the default *author* name for StudyMate project files.

The next two settings determine whether the answer choices for multiple choice questions will be randomized when questions are imported or created new. Note that changing this setting doesn't affect questions that are already contained in the project, only new questions that are added to it.

The final option specifies the language setting to be used when new files are created.

Save As Copy

The *Save as Copy* tool, located on the *File* pull-down menu, can be used to create a copy of the currently open project file. After the project is saved, StudyMate Author will begin using the newly named project file.

If you plan to move a StudyMate project to another computer, and if the StudyMate project contains embedded objects such as equations or images, be sure to use the "zip" feature that's available in *Save as Copy* (otherwise these objects will be missing when the file is opened on the other computer). With the *Save as Copy* window displayed, change the "Save as Type" pull-down list to "zip archive". All files associated with the StudyMate project will be stored in the zip archive.

Item Title Tool

There are situations where it is desirable to rename all the titles in the StudyMate project file to provide a consistent look or numbering sequence. For example, if questions are

copied or imported from a variety of sources the resulting titles may look inconsistent and haphazard.

The *Item Title Tool*, located under *File* on the menu bar, lets a “stem” (or prefix) be specified for item titles. Consecutive numbering will automatically be generated for the text that appears after the stem, beginning with 1 (or 01, or 001, etc.). For example, if you enter “Chapter1-” as the stem text, and then select “001” as the format for the numbering scheme, the title for the first item will be changed to Chapter1-001, the title for the second item will be changed to Chapter1-002, and so on. If a range is specified for the titles being changed, even more specific titles can be provided throughout the file. For instance, questions 1-20 might use the stem “Ch1-Unit1-” and questions 21-30 might use the stem “Ch1-Unit2-” and so forth.

Properties

Select *properties* from *File* on the menu bar to view or change the properties for the currently open file. There are three fields that can be edited: *Author*, *File Description*, and *Keywords*.

Check for Update

The “Check for Update” tool, located on the *Help* menu bar, provides an easy way to see if an update is available for StudyMate Author. Every few weeks, StudyMate Author will generate a message that asks whether it can check for an update. *No information about your computer hardware and software is collected by Respondus, Inc. during this process.* Instead, the StudyMate Author software *retrieves* information from Respondus.com and will display a message if an update is available. You will then have the choice of upgrading to the latest version of the software.

To manually check for a software update, select the “Check for Update” option from the *Help* pull-down menu (you will need a live Internet connection). StudyMate Author will instantly return a message indicating whether an upgrade is available. If an upgrade to StudyMate Author is available, you can let it download the required file(s) automatically and update the software for you. This is the easiest way to apply a patch or upgrade.

If you prefer that StudyMate Author does not periodically prompt you to check for an update, go to the File menu, select Preferences, and unselect the appropriate checkbox under the *General* tab.

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