

教學元件創意發想的輔助資源



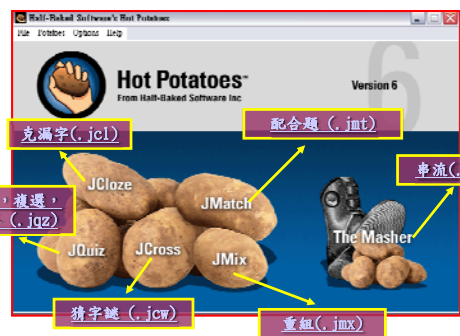
Hot Potatoes與互動式線上測驗



Hot Potatoes



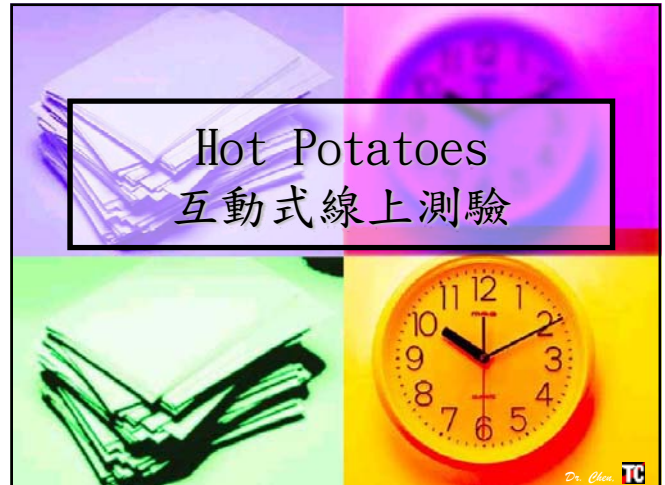
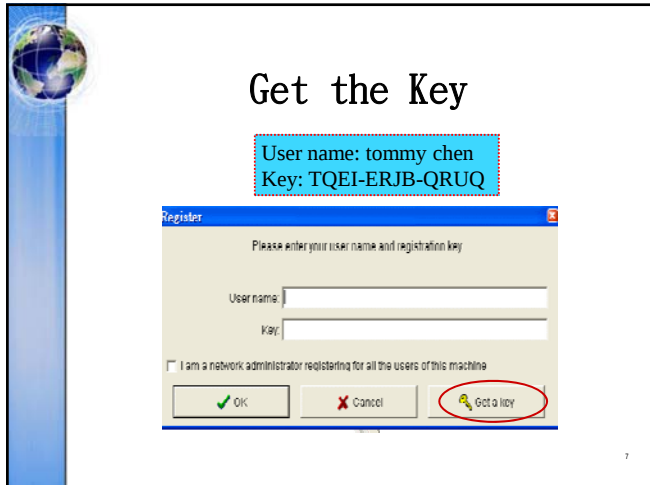
<http://web.uvic.ca/hrd/hotpot>



- Unicode support 支援萬國語言
- Mixed question types in a quiz 混合題型
- More sophisticated scoring in JQuiz 較複雜的計分方式
- Simpler output format 排版簡易
- A timer 計時器

☹沒有題庫功能





五大類測驗題型

- 克漏字填充測驗 (JCloze)
- 配對測驗 (JMatch)
- 重組測驗 (JMix)
- 縱橫字謎或填字遊戲 (JCross)
- 問答測驗 (JQuiz)

克漏字填充測驗 (JCloze)

- JCloze為克漏字填充測驗，學習者將答案鍵入空格中
- 作答完畢後，按 Check鈕自動對答並告知得分
- 教師在製作 JCloze克漏字填充測驗時，可以選擇是否提供線索 (Clue) 或字表 (Word List) 給學生，增加測驗的互動性
- 適合題目：聽力、閱讀、文法、字彙等
- 實作

配對測驗 (JMatch)

- 標準式 (Standard)：以下拉式選單 (Drop down list) 的方式
- 讓學生選擇答案，通常運用在多於八個選項，而且項目是以文字的方式呈現
- 滑鼠拖曳式 (Drag-drop)：項目中有圖片者，較適合用滑鼠拖曳式
- 可以在左邊的選項中插入圖片、聲音、文字段落或超連結
- 適合題目：字彙、聽力、閱讀等配對測驗
- 實作

重組測驗 (JMix)

- JMix為重組段落、句子或字母的測驗題
- 也可以根據所給予的單字及標點符號，提供多個不同的解答組合。
- 標準式 (Standard)：以滑鼠「點選」的方式，讓學生依序選擇句子或單字，將之以正確的順序重組
- 滑鼠拖曳式 (Drag-drop)：將句子或單字依順序「拖曳」至正確的位置
- JMix可以用來評量學生的文法與拼字能力，以及文章閱讀的邏輯推理能力
- 實作



縱橫字謎或填字遊戲 (JCross)

- 自動排版：點選「AutomaticGrid Maker」功能，Hot Potatoes軟體便會將所有輸入的字彙從上到下、從左到右自動排入適當的框格中，並將每一個字彙標上題號（有時會失靈！）
- 手動排版：將字謎的提示句和解答直接鍵入框格中，並按軟體中的上、下、左、右按鈕，來調整字與字的位置
- 答題時，用滑鼠點選題號，就會出現該字的提示句
- 適合用於複習教過的字彙
- 實作

Dr. Chen. 



問答測驗 (JQuiz) 2-1

- JQuiz可以產生問答題類型 (Question-types) 的測驗題
- 語言教學中的字彙、發音、閱讀、文法等方面的測驗，都可以使用JQuiz來製作
- Short-answer：學生們可針對問題作答，輸入單字、字串或句子，軟體會根據教師在設計階段所輸入的可能答案（答案庫）
- 自動與學生輸入的答案做比對，然後顯示對答的結果。
- Multiple-choice：JQuiz可以製作選擇題、複選題，亦可以插入文章做閱讀測驗

Dr. Chen. 



問答測驗 (JQuiz) 2-2

- Hybrid question (混合式問題)：在剛開始做答的時候是以簡答題 (Short-answer question) 的方式呈現
- 但是當學生答錯幾次之後（數目可以預先設定），題目將自動轉換成為複選題 (Multiple-choice) 的型式，讓學生繼續作答
- Multi-select question (多重配對題)：題目列出一個字表 (Word list) 或一組答案 (Set of items)，如圖片等，學生依題目的要求點選所有相符的答案
- 實作

Dr. Chen. 



測驗題整合工具：調理機 (The Masher)

- The Masher可以整合各類不同的題型，成為類似練習題索引 (Index of exercises) 的功能
- 教師可以把同一單元不同類型的練習題藉由調理機自動地整合在一起，做成首頁，透過超連結，讓學生直接點選想要做的測驗
- 由於調整機是屬於 Hot Potatoes的專業工具，所以免費下載的版本只能整合三頁或三種測驗題
- Hot Potatoes 6.0單機商業版的定價為一百美元
- 實作

Dr. Chen. 



編輯 (Editing) 與發送 (Publishing)

- 一、輸入與儲存資料 (Entering and saving data)
- 二、設定輸出的外觀與樣式 (Configuring the output)
- 三、製作互動式網頁 (Creating interactive web pages)
- 四、測試及發送測驗題 (Testing and Publishing exercises)

Dr. Chen. 



輸入與儲存資料 (Entering and saving data)

- 每種測驗題都需要輸入標題 (Title)、題目 (Questions)、答案 (Answers) 與回饋 (Feedback, 如鼓勵或警告)
- 設計測驗題時若有操作上的問題，可以隨時參考圖示列最右邊說明檔 (Help file)
- 資料輸入完畢後，要先儲存成資料檔

Dr. Chen. 

A vertical strip of four images. From top to bottom: a blue clock face, a yellow clock face, a green book, and a purple book.

- 教師可以到功能表上的 Options 點選 Configure Output 功能，自訂測驗題的次標題與作答說明 (Subtitle/Instructions)、提示與回饋 (Prompts/Feedback)、外觀 (Apperance)、按鈕 (Buttons)、計時器 (Timer) 等
- 如果教師使用的是 Hot Potatoes 商業註冊版，則可以設定是否透過 CGI 把學生線上測驗的結果 (成績) 經由電子郵件寄給教師或學生自己

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D. Rhon 

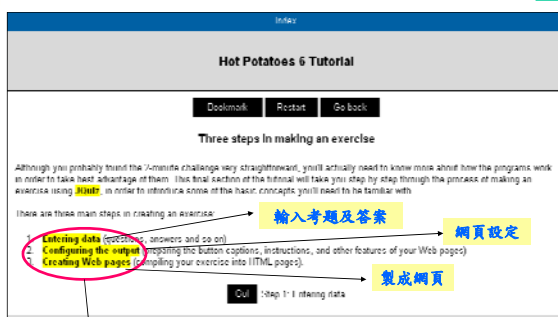
A vertical strip of four images. From top to bottom: a blue clock face, a yellow clock face, a green book, and a purple book.

- 教師做完資料儲存後，按一下工具列上的蜘蛛網狀圖示，或是到功能表上的 File 點選 CreatWeb page 功能，就會開啟製作網頁的交談視窗 (Dialog box)
- 指定網頁儲存的位置，再選擇要不要用瀏覽器預覽，網頁的生產工作就大功告成了

Dr. Chen

- 教師核對及測試網頁後（出題是否適當？答案是否正確？提示是否合宜？自動評分是否正常？外觀和樣式是否美觀？…）
- 確定一切均正確無誤，便可以把製作完成的網頁發佈到網路伺服器（Internet web server）上，供學生們上線練習

Dr. Rhon



4. Save the file (原始檔.jqz, 設定檔.cfg 及 htm檔)

2

The screenshot shows a software window with a title bar. On the left is a vertical blue bar with a globe icon at the top. The main area contains a form with a 'Title' field containing 'Q1'. Below the title are four input fields labeled A, B, C, and D. Field A contains a green checkmark, B is empty, C contains a green checkmark, and D contains a green checkmark.

[illegible]

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Contents

[illegible]

2

The screenshot shows the Moodle Configuration page with the following annotations:

- 測驗題名稱及答題說明** (Question title and answer explanation): Points to the "Question settings" section.
- 及時回饋** (Immediate feedback): Points to the "Feedback" section.
- 按鈕** (Buttons): Points to the "Buttons" section.
- 後台管理設定** (Backend management settings): Points to the "Admin" section.
- 其他設定** (Other settings): Points to the "Other" section.
- 計時器** (Timer): Points to the "Timer" section.
- 字體、背景、顏色設定** (Font, background, color settings): Points to the "Custom" section.
- 存所有設定(cfg)** (Save all settings (cfg)): Points to the "Save" button at the bottom.



Configuration2

File

Structure

View

Window

Help

File

Structure

View

Window

Help

☒ Show limited number of questions each time the page loads

☐ Show number of questions each time the page loads

☐ Show number of questions in each question when page loads

☐ Show number of questions answered correctly in one page

☒ Show score after each correct answer

☒ Make answer checking case sensitive

☒ Show list of other correct answers

attempts are allowed before a hybrid question switches to multiple choice.

☐ Create a separate linked file containing the JavaScript code

☐ Include a keypad to help the student type non-numeric characters

Change

OK

Cancel

Always include these characters on the keypad

Other character settings

出现题数

更换题目顺序

更换答案顺序

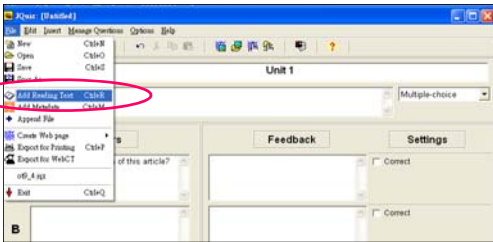
一次就答对题数

答对题成绩

显示其他正确答案

右到左书写设定

Adding Reading Text¹



The screenshot shows the Apress application window. The 'File' menu is open, and the 'Add Reading Text...' option is highlighted with a red circle. Other menu options include New, Open, Save, Add Module, Append File, Create Web page, Export for Printing, Export for WMLC, WP_Export, and Exit. The main window displays 'Unit 1' and a 'Multiple-choice' question type. Below the question, there are 'Feedback' and 'Settings' buttons, and a section for 'of this article?' with two 'Correct' checkboxes.

Adding Reading Text2

1:54

Why I Want a Wife

I belong to that classification of people known as wives. I am A Wife.

And, not altogether incidentally, I am a mother. Not too long ago a male friend of mine appeared on the scene fresh from a recent divorce. He had one child, who is, of course, with his ex-wife. He is looking for another wife. As I thought about him while I was musing one evening, it suddenly occurred to me that I, too, would like to have a wife. Why do I want a wife?

I would like to go back to school so that I can become economically independent, support myself, and if needed be, support those dependent upon me. I want a wife who will work and send me to school. And while I am going to school I want a wife to take care of my children. I want a wife to have back of her shoulders to lean on and depend

Why I want a Wife

A. 1 What is the main idea of this article?

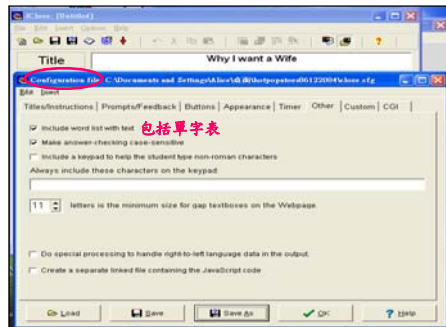
B. 2 23-4324

C. 3 codd

29

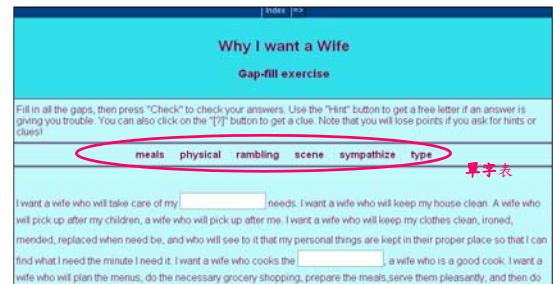
[illegible]

JCloze₂ 填充題



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JCloze₃ 答案表



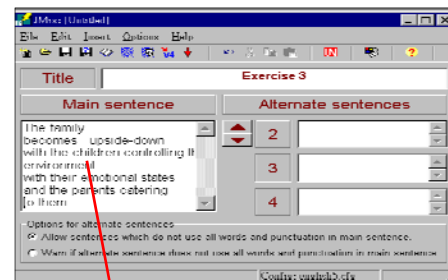
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JCloze₄ 填充題 (有提示)



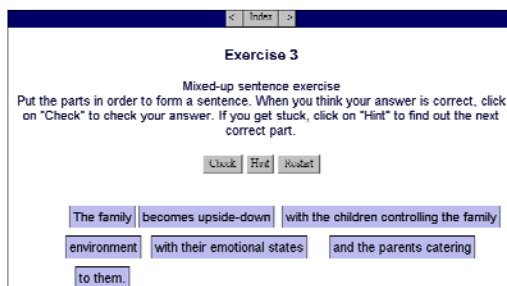
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JMix₁ 單句重組



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JMix₂ 單句重組



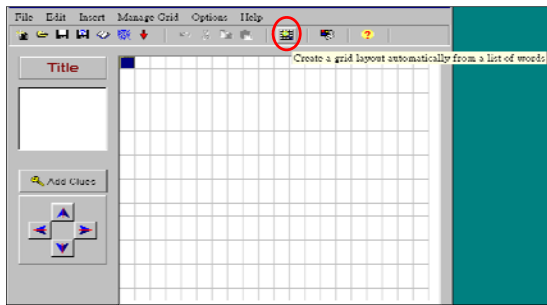
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JMix₃ 單句重組



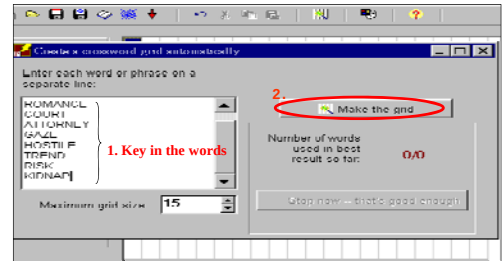
36

JCross₁ 猜字謎練習



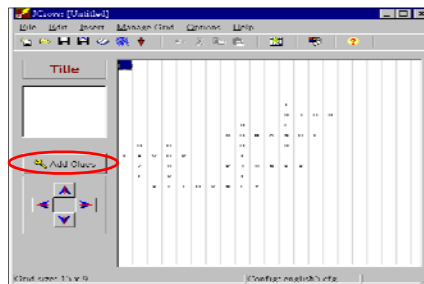
37

JCross₂ 猜字謎練習



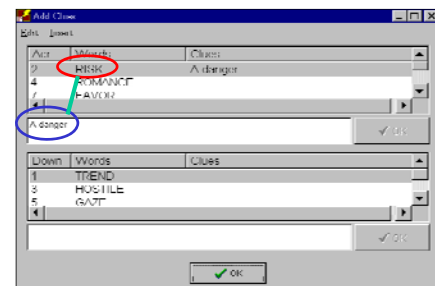
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JCross₃ 猜字謎練習



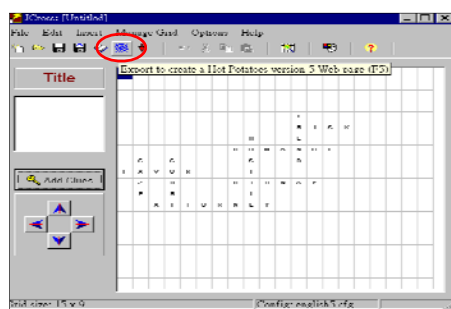
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JCross₄ 猜字謎練習



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JCross₅ 猜字謎練習



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JCross₆ 猜字謎練習



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JMatch₁ 配合題 (下拉式選單)

Exercise 61

Left (ordered) Items	Right (jumbled) Items	Fix
4 Yes, I'll have a small	77	☐
5 OK. What kind of	88	☐
6 Italian	1/3	☐
7 And would you like	545	☐
8 I would like a large	677	☐
Default	???	☐

Configure: english.cfg

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JMatch₂ 配合題 (下/拖拉式選單)

Exercise 61

Left (ordered) Items	Right (jumbled) Items	Fix
1		☐
2		☐
3		☐
4		☐
5		☐
Default	???	☐

Configure: english.cfg

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JMatch₃ 配合題

Exercise 61

Left (ordered) Items	Right (jumbled) Items	Fix
May I take your order, please?	123	☐
Yes, I'd like a hamburger and a large order of French fries, please.	444	☐
All right. And would you like a salad?	77	☐
Yes, I'll have a small salad.	677	☐
OK. What kind of dressing would you like? We have Thousand Island, Italian, and French.	315	☐
Italian.	699	☐
And would you like anything to drink?		☐

Configure: english.cfg

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JMatch₄ 配合題

Exercise 61

Matching exercise

May I take your order, please?

Yes, I'd like a hamburger and a large order of French fries, please.

All right. And would you like a salad?

Yes, I'll have a small salad.

OK. What kind of dressing would you like? We have Thousand Island, Italian, and French.

Italian.

And would you like anything to drink?

I would like a large Coke, please.

I would like a large Coke, please.

Thank you.

Configure: english.cfg

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JMatch₅ 配合題

Moods

happy

upset

embarrassed

Configure: english.cfg

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Masher Hotpotatoes 家族中的新成員

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Masher是什麼？

- Masher是6.0版新加入的軟體，功能是將以往分別由Hotpotatoes中各軟體所製作的各類型試題，整合在一起，甚至可以加上一些自己製作的網頁在其中。
- 以往要達到同樣的效果，就必須使用網頁製作軟體將試題網頁一一串起，十分麻煩，Masher現在提供簡易的介面，讓製作者能輕易達成這件麻煩的工作。

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Building Masher Units

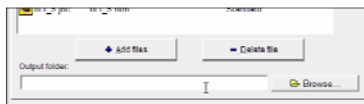
Using the Masher to build a unit takes a few steps:

- Choosing your materials 選擇試題種類
- Putting them in order 按序排列
- Deciding on the appearance of the pages 調整試題的樣式
- Setting the navigation options 決定導覽頁的樣式
- Adding a title for your unit 加入單元名稱
- Saving your settings 存檔
- Building the unit 建立單元

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選擇要加入Masher的試題1

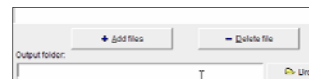
- 將所有要加入的試題放在同一個資料夾中
- 確定Masher的工作目錄是在同一個目錄當中（調整下圖中Output folder就行了，預設會是在同一個目錄下）



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選擇要加入Masher的試題2

- 按下Add Files加入試題到Masher中

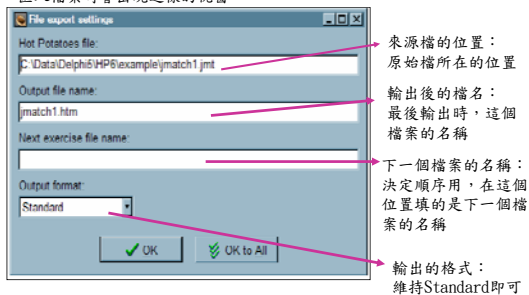


- 加入檔案時可以一次將所有的試題類型加入

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選擇要加入Masher的試題3

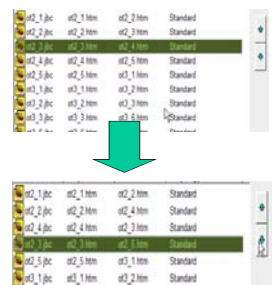
匯入檔案時會出現這樣的視窗



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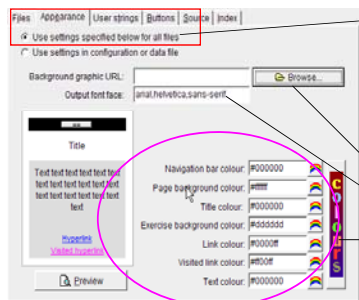
調整題型的順序

- 首先，先用滑鼠點一下要掉轉順序的檔案
- 接著，按下在旁邊的上移按鈕或下移按鈕就可以更改順序



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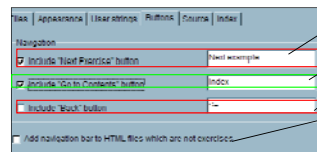
調整試題的樣式



- 決定各個檔案的樣式，第一個選項是所有檔案都用下列的樣式設定，第二個是用自己的設定，而決定導覽頁的樣式
- 背景圖片的來源
- 網頁所使用的字型
- 樣式的細部設定

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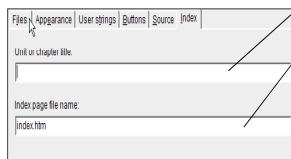
決定導覽頁的樣式



- 下一頁的提示
- 回到導覽頁的提示
- 回上一頁的提示
- 這個選項打勾的話，表示在試題中含有不是Hotpotatoes練習題的檔案

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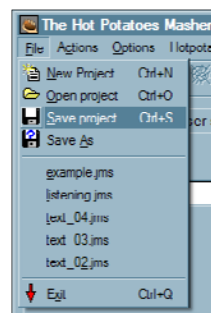
替網頁加上標題



- 網頁的標題
- 導覽頁的名稱

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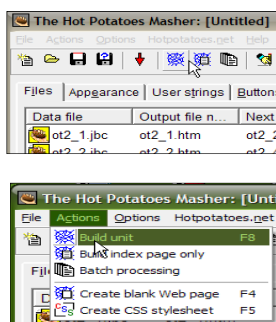
儲存設定



按File -> Save project即可將這個Masher的設定儲存起來，也可以用Save as另存新檔

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建立整合練習題的網頁



- 按下左上圖的中的按鈕或是如左下圖案下Build unit就可以將素材建立成一個整合的網頁
- 示範網頁：

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