

## Facilitator Meeting

### Instructions 2 – HTML Markup

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#### Aims

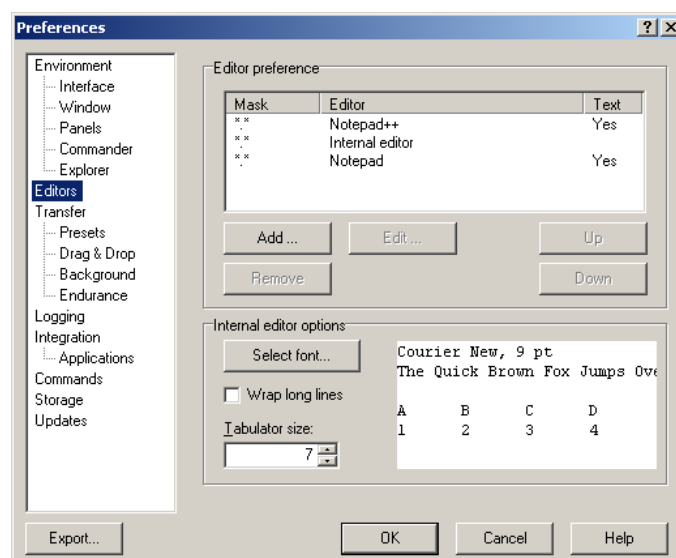
- Use a validator to validate HTML files
- Use a text editor to markup content with HTML5

The tasks are due next week by your facilitator meeting. Email the link of your web page running on the Mercury server to your facilitator before the due date to be marked off. Tasks will not be marked if the email is not received.

#### Editing source code files directly from Mercury.

Rather than creating and saving your HTML (or any other source code) locally then uploading it to the server you can directly edit files on the server using WinSCP – just double click on the file in the server pane.

If the text comes up in the WinSCP's internal editor rather than Notepad++, set Notepad ++ (or code editor of your choice) as the default editor in WinSCP. From the menu select **Options | Preferences**. Click on **Editors** in the dialog box as shown, then **Add** a reference to the Notepad ++ executable. (Usually found under 'Program Files (x86)/Notepad++/notepad++.exe') Click **Up** to move Notepad++ to the top of the list.



## Task: Marking up an existing text file

In this task we will use a wider range of HTML elements to markup an existing Web page.

### Step 1:

Use any text editor on your local computer (e.g. NotePad++), copy the text file `outline.txt` from `lab02.zip`. Save the file as `outline.html` in your working folder.

### Step 2: Create the HTML structure and header

- At the start of the text file add a document declaration
- Create a `<html>` root element with a `<head>` and `<body>` children
- In the `<head>` element create meta-tags for
  - `charset`
  - `description`
  - `keywords`
  - `author`
- Give the page a title using the appropriate element,
- Because the text from `outline.txt` is not yet marked up we will place it between comment tags with the `<body>` element.

*Hint: Start with all the raw 'outline' content between comment tags, then move the comment tags, as you markup the content.*

### Step 3: Validate the HTML

Upload your html to <https://validator.w3.org/nu/> to validate it.

**SUGGESTION:** Do a little bit of markup then validate, markup, validate, markup, validate, ... As well as uploading the file, view the page in Firefox, then right-click to view the page source.

### Step 4: Markup the content

Markup the text content using the elements discussed in Lectures, remembering to *validate* as you go. The format to be used is shown in `outline.pdf` (in `lab02.zip`).

The elements to be used here are

- Heading `<h#>...</h#>`
- Paragraph `<p>...</p>`
- Horizontal Rule `<hr />`
- List `<ol>...</ol>`, `<ul>...</ul>`
- Table `<table>...</table>`,
- Image `<img .../>`
- Anchor `<a ... >...</a>`
- Special characters as needed
- Footer

For instance markup using heading elements such as:

```
<h1>Unit of Study Outline ...</h1>
<h2>Learning Outcomes</h2>
```

When you have finish the markup, use the validator to check it is valid HTML.

**Step 5: Load the file to the server and test**

Using WinSCP, drag and drop the file 'outline.html' from your local machine to the *htdocs/lab02* folder.

**Step 6: Test and view web pages.**

To view the pages through http, use any Web browser and type in the following address,

<https://mercury.swin.edu.au/<your unit code>/<username>/<folder>/<filename>>

The <username> is s< your 7 or 10 digit Swinburne ID > and <your unit code>. For example

<https://mercury.swin.edu.au/cos10026/s1234567/lab02/outline.html>

When the authorization request dialog pops up, use your **SIMS username and password** to confirm access.

**[IMPORTANT]** Email your facilitator the link to your web page running on the Mercury server by the due date to be marked off. Your work will not be marked without the email.