Session 2 Notes

Outcomes

Introduce HTML tables, enabling assessment 1 to be started.

New HTML tags

HTML5
`<header>`

Table
`<table>` `<tr>` `<th>` `<td>` `<caption>`

General
`<li>` , `<meta>`

Development workflow and practice

- Introduce Adobe Brackets and its' HTML preview window
- Introduce W3C Standards and HTML validation. **Important** your HTML must be valid for assessment 1

New Attributes

Table
`colspan` , `table` , `width` , `border`

General
`type` , `content`

Plan

0-5 mins introduce http://brackets.io, and show the preview window. I wan't to start introducing modern dev tools and workflow practices. Whilst notepad++ is ok, brackets is packed with great time saving features. For now, the code preview window is probably the most useful tool within brackets, so show this off. I think students being able to see changes in real time will greatly aid their understanding. **Make clear they're welcome to use any editor they wish this is just a suggestion**

5-10 mins recap week one

15-20mins introduce **html_5_template.html** (can be used as a skeleton page from now on, saves creating a new page from scratch every time). The template can be downloaded from myCourse.

Introduce the concept of `<meta>` tags and their attributes, found on the template.

Amend the template to demonstrate the idea of an unordered list `<ul>`

```
    <ul>
            <li>List item one</li>
            <li>List item two</li>
            <li>List item three</li>
    </ul>
```

20-25 mins introduce web standards and W3C validation, validate **html_5_template.html**, just validate by direct input. Show you can validate code by pasting it's content into [The W3C Validator](). Show examples of correct and incorrect HTML by amending the list we just typed in.

25-40 mins Demo how to create a `table` and introduce the concepts covered in the slides.

```
    <h2>Table example 1 </h2>
      <table>
           <caption>Table Title</caption>
          <!-- define the table headings in the first row -->
          <!-- row 1 -->
           <tr>
               <td>row 1 col 1 </td>
               <td>row 2 col 2</td>
               <td>row 3 col 3 </td>
           </tr>
           <!-- row 2 -->
```

```
        <tr>
            <td>row 2 col 1 </td>
            <td>row 2 col 2</td>
            <td>row 2 col 3 </td>
        </tr>
        <tr>
            <td>row 3 col 1 </td>
            <td>row 3 col 2</td>
            <td>row 3 col 3 </td>
        </tr>

    </table>
```

Example 2

```
 <h2>Table example 2 - Some attributes </h2>
<table border="1">
    <caption>Table Title</caption>
    <!-- define the table headings in the first row -->
    <tr>
        <th colspan="2">heading 1</th>
        <th>heading 2</th>
     </tr>
    <!-- row 1 -->
      <tr>
        <td colspan="3">row 1 col 1 </td>
      </tr>
      <!-- row 2 -->
      <tr>
        <td colspan="2">row 2 col 1 </td>
        <td>row 2 col 2</td>
      </tr>
      <tr>
        <td>row 3 col 1 </td>
        <td>row 3 col 2</td>
        <td>row 3 col 3 </td>
      </tr>

    </table>
```

Introduce and kick off the task

Important, loads to cover this week, assessment one needs to be started and fully understood. **We'll be checking next week** that these tasks have been completed. Students should do them as homework if necessary. Download the task from myCourse and go over the tasks quickly.