IT101

Crash Course in HTML

What is HTML?

- **HyperText Markup Language** (HTML) is the main markup language for creating web pages and other information that can be displayed in a web browser. (Wikipedia)

- Hyper, which means "above, beyond" in Greek, stresses the ability to hyperlink (go beyond) from one page no another.

- Markup Language means that HTML is not a programming or scripting language. It is only for marking up a page.

- HTML is just text and tags.

Basic HTML Document Structure

```
<!DOCTYPE html>

<html>

    <head>

        <title>My Page</title>

    </head>

    <body>

        <h1>My First Heading</h1>

        <p>My first paragraph.</p>

    </body>

</html>
```

Basic HTML Tags

- `<h1>This is a heading</h1>`

- `<h2>This is a heading</h2>`

- `<h3>This is a heading</h3>`

- `<p>This is a paragraph.</p>`

- `<p>This is another paragraph.</p>`

- Line break: `<br />`

- `<b>Bold text</b>`

- `<i>Italics</i>`

- `<u>Underlined text</u>`

- `<a href="http://www.schoolnova.org">This is a link to School Nova</a>`

- `<img src="http://schoolnova.com/nova/sites/default/files/logo3.png" width="460" height="96" />`

- `<ul>`

    `<li>Unordered list item</li>`

    `<li>Another unordered list item</li>`

- `</ul>`

- `<ol>`

    `<li>Ordered list item</li>`

    `<li>Another ordered list item</li>`

- `</ol>`

- `<hr />`

- `<!-- This is a comment -->`

-

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Hyperlinks and Tables

- `<a href="http://www.schoolnova.org">This is an external link to School Nova</a>`
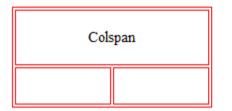
- `<a href="page2.html">This is a link to page 2 on my site (same folder)</a>`

- `<a href="`**`pages`**`/page3.html">This is a relative link to page 3 (one folder down)</a>`

- `<a href="`**`../`**`page2.html">This is a relative link from page 3 to page 2 (one folder up).</a>`

- `<a href="`**`/student_area/<your user id>`**`/index.html">This is an absolute link to the index page</a>`

-

- `<a name="top">Top of the page</a>`

- ... lots of text...

- `<a href="#top">Back to top (internal link)</a>`
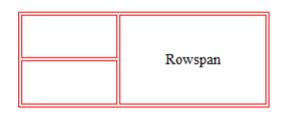
- `<table border="1">`

  - `<tr>`

    - `<th>Header 1</th>`
    - `<th>Header 2</th>`

  - `</tr>`

  - `<tr>`

    - `<td>row 1, cell 1</td>`
    - `<td>row 1, cell 2</td>`

  - `</tr>`

  - `<tr>`

    - `<td>row 2, cell 1</td>`
    - `<td>row 2, cell 2</td>`

  - `</tr>`

- `</table>`

Table Colspan and Rowspan

- \<table border=1\>
  - \<tr\>
    - \<td colspan=2 \> Colspan example \</td\>
  - \</tr\>
  - \<tr\>
    - \<td\> Third Cell \</td\> \<td\> Forth Cell \</td\>
  - \</tr\>
- \</table\>

- \<table border=1\>
  - \<tr\>
    - \<td\> First Cell \</td\>
    - \<td rowspan=2 \> Rowspan example \</td\>
  - \</tr\>
  - \<tr\>
    - \<td\> Third Cell \</td\>
  - \</tr\>
- \</table\>

Homework

1. Define a topic for your personal web site (for example your favorite team, your pet, hobby, picture gallery);

2. First create a plan of what you want to appear on your site, and how you will structure it: what folders and files you will need to create.

3. Start building your personal web site: create 2-3 pages with links and images.

4. index.html should be the home page of your site – this is a common practice.

5. Use as many tags as you can, including images, headings, paragraphs and lists.

6. Upload the site to your SchoolNova server account using FTP.

7. Test your site, and ask others to check it out.

8. Keep a backup of your site on your home computer.

9. HTML tags reference: http://www.w3schools.com/tags/