HTML

Week 3.1 - IST 263

PURPOSE OF HTML

- Describes and defines content

- Marks up vertical text so the browser can render it in horizontal blocks

- Adds meaning to content to help search engines

Semantic Tags/Elements

INDIVIDUAL PROJECT

Proposals / Next steps

LISTS

Unordered List

```html
<h1>This is my shopping list</h1>
<ul>
    <li>Coffee</li>
    <li>Oats</li>
    <li>Milk</li>
    <li>Maple Syrup</li>
</ul>
```

Ordered List

```html
<h1>This is my shopping list</h1>
<ol>
    <li>Coffee</li>
    <li>Oats</li>
    <li>Milk</li>
    <li>Maple Syrup</li>
</ol>
```

TABLES

Year	Winner
2018	Patriots
2017	Eagles

HTML TABLES

```html
<h1>This is a list of recent Superbowl winners</h1>
<table>
    <thead>
        <tr>
            <th>Year</th>
            <th>Winner</th>
        </tr>
    </thead>

    <tbody>
        <tr>
            <td>2018</td>
            <td>Patriots</td>
        </tr>
        <tr>
            <td>2017</td>
            <td>Eagles</td>
        </tr>
    </tbody>
</table>
```

HTML - LINKS

- What are hyperlinks?

- Types

  - External links

  - Internal links

  - Page Anchors

- Attributes

HTML LINK: ANCHOR

```html
<a href="http://google.com" title="Click to visit Google">
Go to Google
</a>
```

MORE LINKS

Absolute Path

```html
<a href="http://google.com">Go to Google</a>
```

Relative Path

```html
<a href="../sample-formatting.html">Sample - Formatting</a>
```

Full Relative Path

```html
<a href="/sample-formatting.html">Sample - Formatting</a>
```

IMAGES

```html
<img src="/images/google.jpg" alt="Google Logo">
```

```html
<img src="/images/google.jpg" alt="Google Logo Thumbnail" width="100">
```

CODING STYLE

```html
<h3 id="group-activity-lab">Group Activity / Lab</h3>
<ul>
<li>Implement the grid system template in the labs folder</li>
<li>Post-class update: You can find David's solution:
    <ul>
        <li>On GitHub pages: <a href="/spring-2020/schedule/week-06/01/labs/planets-inlineBlock.htm
        <li>In the class repo at <code>/schedule/week-06/01/labs/planets-inlineBlock.html</code></l
    </ul>
</li>
</ul>
<h3 id="post-class-reading">Post-class Reading</h3>
<p>Review these HTML files in the <code>week-06/01/</code> folder:<br />
<ul>
    <li><a href="01/summary.html">Summary.html</a></li>
    <li><a href="01/flex-box.html">Flex-box.html</a></li>
</ul>
</p>
```

- Keep it tidy – helps you see structure of tags & find errors
- Close your tags!
- Watch closely for typos – the browser will cheerfully ignore misspelled markup.

- Use lower-case always for tags
- Be rigorous with basic elements: html/ head/ title/ body/ and h1/.
- Confirm quality code with the W3C Markup Validation Service
- Observe file-naming convention: all lower-case folder & filenames.

LAB ACTIVITY

week-03/02/labs/howto.html

Code individually in groups of 2