HTML Notes

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May 26, 2016

Contents

List of Figures

List of Tables

1 Entities

- Entities work like unicode. They are codes to provide non ascii characters.

- always begin with an **&**

2 Tags

2.1 Body Section

```
1  <body>
2  </body>
```

2.2 Bold

```
1  <p><strong>BOLD Text</strong></p>
```

2.3 Bullet List

- ul: unordered list

- li: list item

```
1  <ul>
2      <li></li>
3      <li></li>
4          <ul>
5              <li></li>
6          </ul>
7      <li></li>
8  <ul>
```

2.4 Division

Use this tag to create separate formated sections on a web page.

```
1  <div>
2  </div>
```

2.5 Document Type

This the first line of an HTML file.

```
1  <!doctype html>
```

2.6 Drop Down Menu

```
1  <select>
2    <option>Select From List</option>
3    <option>First</option>
4    <option>Second</option>
5    <option>Third</option>
6  </select>
```

2.7 File Type

```
1  <html>
2  </html>
```

2.8 Form

2.8.1 input tag

- type="checkbox"

```
1  <form>
2    <input type=''checkbox'' name=''variable_name'' value=''1''/> Text
3  </form>
```

- type="email"

    - This argument will automatically validate if the e-mail address is valid or not.
    - %40 is the URL encoding for the @ symbol

```
1  <form>
2    <input type=''email'' placeholder=''user@domain'' name=''variable_name
       ''/>
3  </form>
```

- type="radio"

    - This argument will add radio button.
    - The name argument will make the group of radio buttons mutually exclusive.

```
1  <form>
2    <input type=''radio'' name=''group_name'' /name=''variable_name''> Title
3  </form>
```

- type="text"

    - If you use the argument value="default text" the user will have to erase the default text before typing. The argument placeholder will show up as a hint and will disappear when the user clicks on the form.
    - If you want the user to enter a large section of text use the textarea tag in a form.

```
1  <form>
2    <input type=''text'' placeholder=''default text'' /name=''variable_name
       ''/>
3  </form>
```

- type="submit"

    - Once button is pressed the data in the forms is converted using URL encoding.

    - The fields on the web page must have the name argument for the submit to work.

```
1  <form>
2    <input type=''submit'' value=''Text on Button''/>
3  </form>
```

2.8.2 textarea tag

This tag allows a larger window for the user to type into.

```
1  <textarea name=''variable_name''>optional text content</textarea>
```

2.9 Head Section

```
1  <head>
2  </head>
```

2.10 Headers

```
1  <h1></h1>
2  <h2></h2>
3  <h3></h3>
4  <h4></h4>
5  <h5></h5>
6  <h6></h6>
```

2.11 Horizontal Line

```
1  <hr />
```

2.12 Links

- destination links use the href argument

```
1  <a href=''full_path_to_external_link''>Name of External Link</a>
```

- source locations in a web page use the name argument

```
1  <a name=''top'' /a>
2  <a href=''#Name_of_page_link''>Name of anchor</a>
```

2.13   iframe

- use this tag to embed another webpage into your webpage

- inserted webpage can have a framed box around it by using the frameboarder="1" argument

- use this to insert youtube videos into your page

- set size with width="560" and height="315" arguments

```
<iframe src=''other_page_address'' frameboarder=''0''></iframe>
```

2.14   Images

- For a locally stored image:

```
<img src=''images/picture.png''/>
```

- For an image that is loaded from another location on the internet:

```
<img src=''url ofimage file''/>
```

- To set the width of an image in pixels:

  - Note: Aspect ratio will be maintained.
  - 100 is about right for a thumbnail

```
<img src=''images/picture.png'' width=''100''/>
```

- To set the height of an image in pixels:

  - Note: Aspect ratio will be maintained.

```
<img src=''images/picture.png'' height=''100''/>
```

- To set the height and width of an image in pixels:

  - Note: Aspect ratio will not be maintained.

```
<img src=''images/picture.png'' height=''500'' width=''100''/>
```

2.15   Italics

- em: stands for emphasis

```
<p><em>Italics text</em></p>
```

2.16   Line Break

```
<br />
```

2.17 Meta Data

```
1 <meta charset=''utf-8''/>
2 <meta http-equiv=''Content-type'' content=''text/html; charset=utf-8''/>
3 <meta name=''viewport'' content=''width=device-width, initial-scale=1''/>
4 <meta description= content=''Enter Description Here''/>
```

2.18 Numbered List

- ol: ordered list

- li: list item

```
1 <ol>
2   <li></li>
3   <li></li>
4     <ol>
5       <li></li>
6     </ol>
7   <li></li>
8 <ol>
```

2.19 Paragraph

```
1 <p>
2 </p>
```

2.20 Strike Through

```
1 <strike>Strike Through Text</strike>
```

2.21 Tables

- can be used for tables

- can also be used for layout design

```
1 <table>
2   <tr><th>Col0</th><th>Col1</th><th>Col0</th></tr>
3   <tr><td>value0</td><td>value1</td><td>value2</td><tr>
4 </table>
```

2.22 Title

```
1 <title>This is the Title</title>
```

2.23 Underline

```
1 <u>Underlined Text</u>
```