

Module 2: HTML Basics

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Components and Structure of a Website

1.components of a website: HTML files & images

2.viewed through a web browser

- Safari common on Apple
- Chrome from Google
- Internet Explorer from Microsoft
- Firefox from the Mozilla Foundation

3.structure of a website

- home page (index page)
- main sections (site index)
- subsections (content)

4.what kinds of files?

- HTML
- JavaScript
- CSS
- images, picture, art & graphics

Setting Up a Template

1. All HTML documents must start with a document type declaration: `<!DOCTYPE html>`
2. begin `<html>` and end with `</html>`
3. `<head>` and `</head>`, `<title>` and `</title>`, `<body>` and `</body>`
4. title/head: `<H1>` has the biggest word size while `<H2>` is smaller; 1~6
5. paragraph: `<p>`

Creating Links and Formatting Text

1. link: `Go to Google`
2. format text
 - `
`: change line
 - `` and ``: stress the words
 - `` and ``: tilt the words

Working with Images

1. image
`
`
``

```
<BR/>
2. add a link into image:
<a href = "http://www.google.com" ><img src = "google.png"/></a>
```

Working with Tables

```
1. example
<table>
<tr>
<td>Day 1</td><td>Walking</td><td>30 minutes</td>
</tr>
<tr>
<td>Day 2</td><td>Swimming</td><td>45 minutes</td>
</tr>
<td>Day 3</td><td>Reading</td><td>4500 minutes</td>
</tr>
</table>
2. add border: <table border="1/2/3..." style="border:solid;">
- border: set the thickness of the border, number up then thicker
- style
3. comment: <!--content-->
4. use the external css file: in <head>, input <link rel="stylesheet" href="address"/>
```

How to Practice

1. www.w3schools.com
2. see other websites' code

How to Put Your HTML on the Internet

How to Test Your HTML

Basic Styling in Webpages

1. use CSS(cascading style sheets)
2. style = ":",
3. color: blue, font-size: 120%
4. type of the CSS
 - internal: setup in the head section of an individual webpage so that they can be used multiple times within a single webpage.
 - inline: those that are defined within a tag itself, and only affect that tag
 - external: when a separate "external" style sheet is linked to an HTML page

Reading: HTML Additional Resources

- 1.W3 Schools HTML Tutorials
 - http://www.w3schools.com/html/html_basic.asp
 - <http://www.w3schools.com/html/>
- 2.HTML Goodies Articles

- <http://www.htmlgoodies.com/primers/html/basic-html-that-everyone-should-know.html>
- <http://www.htmlgoodies.com/primers/html/article.php/3478131>

3. Jake Wright: Learn HTML in 12 Minutes

- <https://www.youtube.com/watch?v=bWPMSSsVdPk>

4. HTML Tables Tutorial - 9.5 minutes

- <https://www.youtube.com/watch?v=BczLWImAmBk>