HTML Introduction

Markup Language

- XML
  - RSS
  - Podcasts

Web App Architecture

- HTML
- CSS
- JavaScript
- Back End - Python, PHP, Ruby
- SQL - Database
- You can run HTML, CSS and Most Javascript without a server
- Name your file with .htm or .html extension

HTML 4 vs HTML 5

- HTML 5 API's
  - https://developer.mozilla.org/en-US/docs/Web/API

Extension and Capitalization

- .htm or .html
- Capitalization in HTML does not matter
  - Boomers CAPITALIZE TAGS = <H1>Heading</H1>
  - Cool kids do not <h1>Heading</h1>
- Capitalization may matter for the Operating System for hyperlinks, images and any other linking.
- On a server the default web page is home/index/default.htm or .html

Doc Type, HTML, HEAD and BODY Tags

- Example = page-format.html
- You can generally ignore all of this, BUT best practice is to do it.

HEAD

- Title
  - Gives Page a Title
- Style
  - Points to CSS Style Sheet
- Script
  - Points to JavaScript file
- Meta
  - `<meta http-equiv="refresh" content="5">`
- Example = page-format.html

H1, H2, H3 and P Tags

- Example - paragraph-tag.html

Basic Formatting

- You can do basic formatting in HTML without CSS
  - Generally formatting should be done with CSS
- `<strong>`
- `<i>`
- `<mark>`
- `<br>`
- `<hr>`
- Example = format.html

Comments

- <!—- —->
- Example = page-format.html

TABLE

- <table></table> - Opens and closes the table
- <tr></tr> - Opens and closes a row
- <th></th> - Is a data cell for column headers
- <td></td> - Data cell
- Example = table.html

Lists

- - Ordered List
- - Unordered List
- - Each list item
- Example = list.html

Hyperlinks

- CNN.com
- A page on your site
  - page.html = page in the same folder
  - folder/page.html = page in a folder down
  - ../page.html = page in a folder one level up
- Page
  - Opens page in a new window or tab
- Example = link.html

Images

- <img src="image.jpg">
- <img src="image.jpg" height="100" width="200">
- <img src="https://rossmanngroup.com/image.jpg">
- You can display a picture located on your server or from any other website.
- Height and Width changes how the image is displayed, but not the actual size.
- Example = pic.html

IFRAME

- <iframe src="page.html"></iframe>
- IFrames can be blocked by websites.
- Example = iframe.html

Forms

- Must send data to script for processing
- Example = form.html

DIV and SPAN

- DIV's, SPAN's and other formatting tags are used in conjunction with CSS to create a layout for a page.
- Best explained in CSS class.

Lab Work

- search.py
- dashboard.py
- note.py