Tutorial 9

Outline

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Assignment #2: examples and resources

Examples of this assignment are available at A2L > MMEDIA2A06 > "assignment 2 examples"

*Note:** Resources for enhancing and refining images can be found in slides from past tutorials.

HTML and CSS

HTML (Hypertext Markup Language) is used to create Web pages through the representation of document structures like headings, paragraphs, links, images, etc.

CSS (Cascading Style Sheet) describes how the elements of an HTML document will be presented in the screen (e.g. position, color, font, etc).

Resource: *Duckett, J. (2011). HTML & CSS: design and build websites. Indianapolis, Wiley.*

Why do I need to know HTML and CSS?

1. They are the standard languages of the Web.

2. They allow advanced modification of website parameters when using content management systems like **Wordpress**.

3. They are free to use and are compatible with free web hosting sites like https://pages.github.com/

4. They allow more flexibility and are less expensive than website builder like **Wix.com**.

HTML

- HTML is used to describe the structure (i.e. the sections) of a document (or webpage).

- To create a simple webpage you have to:

  - "Start by writing down the words you want to appear on your page".
  - "Add tags or elements to the words so that the browser knows what is a **heading**, where a **paragraph** begins and ends, and so on" (Ducket, 2011).

Activity 1: Open an html file in TextEdit and in the web browser.

- Objectives:
  - Configure TextEdit for html code
  - Familiarize with opening html files in the browser

1. Configure TextEdit to open html code. Do the following:

   + In the TextEdit app on your Mac, choose TextEdit > Preferences, then click Open and Save.

   + Select "Display HTML files as HTML code instead of formatted text."

2. Download the "webpage-activity" folder from A2L -> tutorial 9. This folder contains a file named "index.html".

3. Open the "index.html" file in TextEdit (at this point TextEdit should only display the code, if it isn't, go back to step #1).

4. Open the "index.html" file in the Chrome browser (it should only display the webpage, NOT the code).

   + In Chrome, click "*Open File*" from File menu, or use the ⌘ + O keyboard shortcut.

Activity 2: Create a simple webpage using HTML elements

- Objective:
  - Familiarize with basic HTML elements.

1. Reflect about your plans for reading week.

2. Replace the information from the "index.html" file using TextEdit. Replace with the following:

   + <h1> A **heading** related to your plans for reading week </h1>

   + <p> An introductory **paragraph** about your plans for reading week </p>

   + Note: Do not list your plans yet! Wait for instructions on the next slide.

3. Save the changes done to the "index.html" file in TextEdit.

4. Open the index.html file in the Chrome browser to see your changes.

Activity 3: Add lists and links to your webpage.

- Objective:
  - Familiarize with basic HTML elements.

1. Create a list of at least 5 things you'll do during reading week.
   + Explore how to create HTML lists here: https://www.w3schools.com/html/html_lists.asp

2. Create at least 1 link to another webpage related to your plans for reading week.
   + Explore how to create HTML links here: https://www.w3schools.com/html/html_links.asp

3. Save your changes and visualize them on the browser.

CSS

- CSS is used to modify the presentation (or style) and the layout of a webpage.

  - **Presentation (or style)** refers to the ***fonts*** and ***colors*** of a webpage.
  - **Layout** refers to the **position** of the elements of a webpage in relation to the screen.

Activity 4: Link a CSS stylesheet to an HTML file

- Objective:
  - Familiarize with linking CSS files to HTML files.

1. Locate the "theme.css" file that is inside the "webpage-project" folder.

2. Link the "theme.css" to your HTML file.

   + Explore how to link CSS and HTML files here: https://www.w3schools.com/html/html_links.asp

3. Save the changes done to the "index.html" file and visualize it on the browser.

   + You'll see that the font family and the background color have changed.

Activity 5: CSS fonts and colors

- Objective:
  - Familiarize with CSS fonts and colors

1. Open the "theme.css" file in TextEdit.

2. Modify the **fonts** and the **colors** inside "theme.css".
   + Explore how to modify CSS **fonts** here: https://www.w3schools.com/colors/default.asp
   + Explore how to modify CSS **colors** here: https://www.w3schools.com/cssref/css_websafe_fonts.asp

3. Save the changes from "theme.css".

4. Open the "index.html" in Chrome to see your changes.

5. Submit a compressed folder with your "index.html" and "theme.css" files to A2L.

Additional resources

Learn HTML: https://www.w3schools.com/html, https://www.w3schools.com/tags/

Learn CSS: https://www.w3schools.com/css

Editors: textEdit, NotePad, Gedit, Atom, Adobe Dreamweaver.