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hw 02: Your First HTML Page

# Overview

HTML pages are developed by hand using a text editor. Even though tools like Dreamweaver make things easier, understanding exactly how the code is constructed *and why* is critical to successful web page development. This assignment uses a text editor to create a web page. The page will be very simple, but it is the beginning of a home page development used throughout this course.

# Editor

You are free to use whichever editor you would like but please don’t use Dreamweaver for now as that writes much of the code for you. Make sure you have watched the video in this week’s lecture called “Authoring Tools” it goes over these editors

# Part 1: Create the Page

1. Open the editor and create a new, unnamed document. Type the text below *exactly* as displayed except you should use your own name. The initial setup is also obtained via BBEdit’s HTML5 template. Indent the code using the [tab] key as shown below.

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="utf-8" />

</head>

<body>

Name’s Web I Home Page

Links to my Web I projects

project1

project2

project3

About Me

This will be a paragraph about me. It might include

my hobbies, special interests, where I grew up, etc.

This will be a paragraph about why I took this course

and what I hope my career will be in when I graduate.

Some of my Favorite Web Sites:

</body>

</html>

1. Select the word **Name** in the line after the <body> tag. Replace it with your own name if you have not yet done so.
2. Now save the document. Keep in mind that this document will eventually become your *home page* for this course. What would be a good name for this document? (hint: in---.html)



1. Once the correct name has been determined, save the document on the lab computer’s *Desktop*. Select **File>Save** from the menu. In the dialog box, navigate to (and open) the Desktop folder. Enter the name and click **Save**.

# Part 2: Preview the page

1. Open the file in two different browsers. Does the page look identical in each browser?



1. What is interesting about the text for favorite links and projects? Describe what you observe?



1. Describe why this happens.



# Part 3: Improving the page with additional tags

1. Open the file for editing. Begin by making ***Name’s* Web I Home Page** a level-1 header. We do this by placing an **<h1>…</h1>** set of tags around the text. There are six (6) levels of header built into HTML. Use them with <h*n*> tags where *n* is a number from 1 to 6.
2. Change **Links to my Web I Projects**, **About Me**, and **Some of My Favorite Web Sites** into level-2 headers.
3. Make the **project…** lines display correctly by adding **<br />** tags where appropriate.
4. Add paragraph tags (**<p>**…**</p>**) to the two **about me…** paragraphs.
5. Save the document and then preview it again.
6. What’s the difference between the <h*n*> tags and the <p> tags? Describe in terms of how they affect the way the text is displayed in the browser.



1. What is the difference between the <p> and the <br /> tags?



1. Open the file for modification and add the names (*not* the URLs, just the names) of three (3) favorite web sites. (How to make these names work as links is covered later.)
2. Change the list of web sites just created to eliminate the <br /> tags. Do this by changing the text format to a **list** by adding an outer set of tags (<ul> and </ul>) around the entire list, and an inner set of item tags (<li> and </li>) for each item in the list. Here’s an example:

<ul>

<li>www.rit.edu</li>

<li>www.google.com</li>

<li>www.macosxhints.com</li>

</ul>

1. Save the document and view it in a browser.
2. What was created is an “unordered” list. There is another kind of list called an “ordered” list done by changing the **<ul>** tag to **<ol>** and the **</ul>** tag to **</ol>**. Save the file and check it out!

# Part 4: Adding Links to the Page

In Part 3, a list of “links” was created using the **list item** tag. Unfortunately, a list item *does not* set up a *clickable* link for you. That requires the use of another tag set *inside* the list item. Use the textbook and on-line resources to find out how to create this kind of a tag. Save the work and test it. It should be possible now to go to any of the sites listed simply by clicking on the text. We will go over links more next week and how to create links to both pages on your ‘domain’ and external sites, but for now lets just experiment and see if we can build this.

**http://www.w3schools.com** is a great web site for researching different commands!

# Part 5: Adding a title and more to your page

1. Open the file and add a **<title>**…**</title>** tag to the document. This tag goes into the document’s **<head>**. Between the tags, use the text ***Name’*s Web I Web Site**, replacing *Name* with your name (if not already done). Where is this title displayed?



1. Use the rest of the time to experiment with the various tags used here. Also, try the following tags and note what each does:  
   
   1. <em>*Some Text*<em>
   2. <strong>*Some Text*<strong>
   3. <hr />*Some Text*

# Part 6: Validate your webpage

Read the section on validation in this week’s material. Try your best to validate your work, and include a screenshot of the validation results below (or include separately in an attachment to the zip/dropbox). If you can’t figure out exactly why your page won’t validate that is OK, I just want to see that you tried. I can help find the reason your page won’t validate if you request the Zoom office hours with me. You won’t lose points in this case if it doesn’t validate, I am just looking for screenshot that you tried. However, in projects you will lose points if your projects don’t validate.

# Part 7: Submission

Save the index.html file and your image jpeg file for future use on a USB flash drive. Then:

* compress the two files to create a zip file and name it hw02.zip
* upload the hw02.zip to the hw02b dropbox by the due date
* upload this completed (MS Word) document to the **hw02b** drop box by the due date

Important: As stated in the syllabus, late dropbox submissions are penalized 10% per each day late.

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| **First HTML Page** | | | | | |
| Name: | | | |  |  |
|  | | | |  |  |
|  | **Category** | **Weight** | **Score** | | | |
|  | Part 1 |  |  | | | |
|  | A good name for the document | 1 | 0 | | | |
|  | Part 2 |  |  | | | |
|  | Page look identical in each browser | 1 | 0 | | | |
|  | Text appearance for links | 1 | 0 | | | |
|  | Explain why | 1 | 0 | | | |
|  | Part 3 |  |  | | | |
|  | Difference between <h> and <p> explained | 1 | 0 | | | |
|  | Difference between <br /> and <p> explained | 1 | 0 | | | |
|  | Part 4 |  |  | | | |
|  | Links set up correctly | 1 | 0 | | | |
|  | Part 5 |  |  | | | |
|  | Where is title displayed | 1 | 0 | | | |
|  | <em> , <strong> and <hr /> explained | 1 | 0 | | | |
|  | Part 6 |  |  | | | |
|  | Screenshot of w3c validator results included | 1 |  | | | |
|  | **TOTAL:** | **10** | **0** | | | |