

WEB PROGRAMING & DESIGN

UNIT PROJECT

YOUR OWN PERSONAL COURSE WEBSITE

1 OVERVIEW

- ☐ This project covers basic web programming and web design.
- ☐ Refer to the course website for the due date of this project.
- ☐ **Email** the project to your instructor.
- ☐ PLEASE **zip** all your files together and email them as ONE attachment.
*Note: You will be sending your instructor a **zipped folder** containing a website and a document describing the choices you made in your website.*

2 GRADING

The project will be assessed with a letter grade, and contribute toward ~11% of your overall grade.

The project should contain the following three parts. The first and second parts are HTML and CSS pages, to be written using a text editor and submitted as HTML and CSS files, respectively, as part of a **complete website package**. The 3rd part contains written documentation, to be written using a word processor (e.g., in Word) and submitted as a PDF file (preferably), describing the choices that you made in your website. **A checklist of all requirements appears at the end of this document.**

Warning: please do NOT put anything on your website that is inappropriate or that you don't want others to see.

3 PROJECT DESCRIPTION

The purpose of the project is to create a website that contains general information about you, and that will be used to display the projects that you have created and the interests that you have.

You have already created one webpage and one CSS page as part of your two previous labs. As part of this project you will create (and validate) 2 more HTML pages, and 1 more CSS document.

BEFORE you begin creating any of the HTML or CSS pages you should complete the website design proposal document (Lab 1.3) and spend some time on the Internet collecting information and images that you might like to use. It's recommended that you employ some responsive web design techniques so that your web pages could potentially adapt to mobile browsers on handheld devices.

4 GETTING STARTED

All of your files will need to be in specific folders. In particular create a folder structure as follows on your USB drive:

yourname	Name	Date modified	Type	Size
css	css	2/7/2014 4:55 PM	File folder	
images	images	2/7/2014 4:55 PM	File folder	
lab1_lab2_files	lab1_lab2_files	2/7/2014 4:55 PM	File folder	
	aboutme.html	2/7/2014 4:57 PM	Firefox HTML Doc...	1 KB
	index.html	2/7/2014 4:56 PM	Firefox HTML Doc...	1 KB

The folder that is labeled "yourname" should be renamed using your last name plus first name initial. To get started:

1. Create an index.html. When a request is made to a web-server, and a specific page isn't listed, the web-server will automatically handout index.html, if it exists.
2. Create an active.css, and configure your index.html to use this css file, which should be put in the css folder.
3. **IMPORTANT:** Please make sure that in your html pages, you only use relative links, such as `"/aboutme.html"` (single dot stands for current folder) or `"/index.html"` (double dots stands for parent folder). You should avoid using absolute links, such as `"file:///C:/yourname/aboutme.html"`. If you use the latter, your pages will not work on my computer which does not have the same exact path as yours (i.e. I may store everything in drive D: instead of drive C:)

5 PROJECT REQUIREMENTS

Your final website will contain:

1. A homepage (new):

Filename: index.html

Location: Top level folder (the one that you renamed).

Title: <YourName> - <Date>

CSS Sheet: This webpage should link to a css sheet in the css folder called active.css

Layout (these things, in this order):

1. At top, Your Name, Date.
2. A horizontal line.
3. A links section with links to the other pages in your website.
 - ☐ aboutme.html
 - ☐ yourname-home.html (you created this in a previous lab)
4. A horizontal line.
5. At the bottom of the page, a centered link, titled 'home', to the class website.

2. An "About Me" webpage (new).

Filename: aboutme.html

Location: Top level folder (the one that you renamed).

Title: <YourLastName> - About Me

CSS Sheet: This webpage should link to a css sheet in the css folder called active.css

Layout (these things in any order):

1. Your full name.
2. A brief (1-2 paragraphs) description of you as an individual.
3. An ordered list of 10 things you want to accomplish before you die.
4. A table with the name, description and requirements for 3 careers that interest you.
5. 3 distinct pictures (used appropriately)

6. A centered link, titled 'home', to the index.html page (detailed above).

3. The files you created in the previous labs.

1. Take the two files (yourname-home.html and my-style.css) that you created in the previous labs and put them both together in the folder called **lab1_lab2_files**.
2. You will create on the index.html file, in the links section, a link to the yourname-home.html file.
3. Please note that, since individual labs are not graded, you will not be judged on the contents of these two files. But they need to be there (in a proper folder) so that the separate link on your home page works.

4. One new cascading style sheet (CSS)

1. This CSS file should specify the visual properties for the **new** webpages on your website.
2. The file should be placed in the css folder of your website.
3. Set *at least* 10 different properties in total, for the different components, such as: background color, text, color, border, etc in your CSS file.
4. In the CSS sheet create custom specifications for the following tags:

body

p

h1 ~ h6

hr (such as color, width etc)

table (and its child elements)

[Note] Please be advised that these tag names are just suggestions and you can certainly add to the selection, including definitions of your own classes and IDs. Also, the requirement of 10 properties should be treated as the minimal and most submitted works go well above this number.

5. A one-page word document describing/defending the choices you made in your website.

1. Create a 1-page WRITTEN DOCUMENT (using a word processor) that describes the layout choices that you made in the aboutme.html file and the formatting choices that you made in each of your CSS sheets.
2. Use the design document from lab 1.3 to help you explain your choices, and illustrate you applied those design choices. At the bottom of the document include 1-2 sentences about any problems that you encountered.
3. Write in clear English. Check your grammar and spelling. Save your document as PDF, if possible. SAVE A COPY of the description document in your website folder (topmost level).

6. Working in a group

1. To reflect both members' work, you could choose to either, a) create two aboutme.html files (say aboutme1.html and aboutme2.html) and thus two separate links in your index.html, or 2) create separate sections in one aboutme.html (say Person-A's bio, Person-B's bio)
2. In general (i.e., applying to all projects), work submitted from a group should include in the write-up a short paragraph which describes the individual contribution, or the role assignment to the project.

PROJECT-1 Submission Checklist

Do you have?	
Proper folder layout (each file in correct folder)	
index.html page <ol style="list-style-type: none"> 1. Proper Title 2. At top, Name, Date & then a horizontal line using <code><hr /></code> 3. A links section to the other pages in website 4. Link, titled 'home', to the class website 5. Validated (also applies to the CSS file) 	
aboutme.html page <ol style="list-style-type: none"> 1. A brief (1-2 paragraphs) description 2. Ordered list of 10 things 3. 3 x 3 Table 4. 3 distinct pictures (used appropriately) 5. A centered link, titled 'home', to the index.html page (detailed above). 	
The HTML & CSS files created in lab 1 and lab 2 should be present in their own folder and linked into the website from the index.html page	
New CSS page <ol style="list-style-type: none"> 1. Custom specs set for each of the following tags: <ul style="list-style-type: none"> body p h1, h2, h3, h4, h5, h6 hr 2. at least 10 different properties set such as: background color, text, color, border, etc. 	
A one-page word document <u>describing</u> and <u>defending</u> the choices you made in your website (submit PDF)	