Project 1

Basic, HTML only webpages

Due Monday Sept. 25th at Midnight

Overview and Objective

This project requires that you gain access to your NAU provided server space if you have not already. Once this is accomplished, you will then ply your knowledge of HTML to create two very basic webpages. These webpages will serve as the launching point for the remaining projects in this class and each further project will add another layer of web technology to your website.

This project should take less than 1 hour.

Submission Instructions

For the submission this project, I require only that you put the appropriate webpages up on your NAU webspace. I (or a grader) will then access your website either manually or via an automated script to assess that your project has met the requirements given.

The potential for your project to be graded via automated script is high, and as such, I must specify certain constraints such as fixed ID's for some elements. It is imperative that you follow these directions completely as failing to do so will lead the script misgrade your project negatively.

While I will generally allow for you to come and show me that you just had the wrong element ID (or similar) and then adjust your grade appropriately, this takes away time from you and me and is entirely avoidable by simply paying careful attention to the directions provided.

This and all future projects will require you to add pages to your NAU webspace. Note however that these pages will be confined to their own directory on the server and, as such, you should feel free to use your webspace as you wish. If you want to create your own webpages for your hobbies, or pictures of your cat, or whatever, go right ahead! As long as the pages required for each project are in their proper place on your site, the rest rightfully belongs to you[1].

Technical Description and Instructions

Get an FTP Client

The first step of this project is to locate and download an FTP client so that you can upload your pages to your NAU webspace. I recommend FileZilla as it can be installed on all major platforms (Linux, Windows, and Mac), is open-source, and is the software that I used in class for this purpose. If you are comfortable using some other tool for this purpose, you are free to do so[2]

FileZilla is available for download at this location[3]. Ensure that you download the *client*, not the server.

After downloading, install as usual for your operating system and then launch the program. Among other things, you should have a bar at the top of the program's interface with four fields: host, username, password,

---

[1] Do understand that by 'rightfully belongs to you' I mean 'Is still the full property of NAU made available for your use and will be mercilessly deleted not too long after you graduate'. So, if you like the website you make and host on your NAU webspace, make sure to backup its files so you can re-host it elsewhere after you graduate!

[2] Note, however, that I will not be providing support for any software other than FileZilla.

[3] If for some reason this link isn't working for you, a quick search for 'FileZilla' will surely take you to the right place

and port. The host field will be "`linux.cefns.nau.edu`" and the port number is "22". The username and password fields should be filled in with the information that you would usually use to log into your BBLearn shell or your NAU Gmail account.

After filling in this information click the 'Quickconnect' button and wait for FileZilla to connect to the server. Assuming the server isn't down (and it shouldn't be), the right hand panel of the interface should become active after a few moments and you should be able to use it to browse the remote filesystem.

Once you are connected, you should navigate into the `public_html` directory[4] on the system. This is the directory the webserver looks in to serve pages. You should now be able to move files back and forth from your computer to the remote server by simply dragging them accross from one panel to the other.

Make Some Webpages

Landing Page

The webpages that must be created for this project are simple. First, you must create a landing page for your website which should be named "`index.html`"[5]. This page can contain whatever content you want formatted however you wish. You can even use CSS to style it at this point if you so desire.

The only element that this page must contain[6] for the purposes of passing this project is an anchor tag (<a>) that links to the other required webpage described later on. This anchor must have an id of "`project-1-link`". Additionally, it should link to a page in a subdirectory on the server with an href attribute value of "`projects/1.html`".

Project Page

I want to leave you free to use your webspace how you please, so I'll be requiring you to place each project in a new page or series of pages in a directory on your system called "projects" which you must create[7]. Within this directory, you must create a webpage called "`1.html`" for the contents of this project. This corresponds to the href of the anchor required on the `index.hmtl` page.

The `1.html` page should include the following elements:

- An <h1> level header introducing the page with the id "`project-1-header`"
- A <div> that contains the next element, with the id "`project-1-container`"
- A <p> element containing some text for the page with the id "`project-1-content`"
- An <a> link back to the landing page

Grading Specification

For your submission to receive a grade of 'pass', it must fulfill the following criteria:

- Your webpages must be up on your NAU webspace by the time the evaluation script is run.
- All required elements must be included in the appropriate pages with the appropriate ids.
- This project is so short that no significant portion should be omitted.

---

[4] The terms 'directory' and 'folder' are basically interchangeable.
[5] It must be named this because this is the webpage that the webserver that will serve your website looks for by default
[6] Other than those required for it to be a valid HTML page like <html> and <body> of course...
[7] This can be done easily enough through FileZilla by right clicking in the server's pane and then selecting "Create Directory".