# ISYS 210

Fall 2016

*HTML Homework*

**Due Date: Wednesday, November 30th**

**Due Time: 11:30 pm**

**Value: 50 points - No late work accepted.**

## Objective

The overall objective of this assignment is to create a “website” using HTML code. This assignment will allow you to develop a basic understanding of the HTML code used in creating and publishing a web page.

***Important***: This will be a public web site. Anyone in the world can see its content; therefore, you must not put content there that you do not want to be public. Part of designing and implementing a personal website is making decisions about what content you want to publish. If you are concerned about including any personal information, you can use fictional information.

## Assignment Overview

1. Create a space for your website on the <http://people.tamu.edu> web server.
2. Use a plain text editor (e.g., Notepad, Notepad++(HTML language)) to create web pages for your e-portfolio. Details for the pages of your website are outlined under “Instructions”.
   1. Do ***NOT*** use any web authoring software to create your website (e.g., Microsoft Word, Microsoft FrontPage, Netscape Composer, Dreamweaver, Visual Studio, Visual Web Developer, HTML Editor, etc.)
3. Publish your website to the <http://people.tamu.edu> web server.
4. Submit the URL for your homepage for grading on the course website. (Homework turn-in)
5. Submit the files for your web pages on the course website for grading. (Homework turn-in)

## Instructions

**Where to Host your E-Portfolio Website**

You must use <http://people.tamu.edu> as the web server for this assignment. To set up your account on the people.tamu.edu web server, do the following

1. Open <http://people.tamu.edu> in your web browser.
2. Select “Getting Started” from the menu.
3. Complete all of the steps in “Setting Up a TAMU Personal Web Site.”

Your E-Portfolio must contain **two** separate web pages. Instructions for content to include on each web page are provided in the following sections. For an example of what your website might look like when you finish your E-Portfolio website please visit <http://people.tamu.edu/~jon.jasperson/INFO210>.

**Common Content for All Pages**

You want your website to have a common “look and feel.” Each page on your site should include the following elements. I suggest you create one page that includes all of the following elements and test it in your browser. After you confirm this page works correctly, then save a copy of this page for the other page on your site.

1. Add your name and section number as a comment to the **<head>** section of each page. Add a meaningful title to each page. The minimal code for the **<head>** section of each page should include the following:

**<head>**

**<title>Your FullName E-Portfolio PageName</title>**

**<!-- created by: Your FullName, Section ### -->**

**</head>**

**Note**: Be sure to replace Your FullName with your actual full name. Replace PageName with the actual page name – Home or Gallery. Replace ### with your actual section number.

1. Place all of the content of your page inside of a table with one row and one column. The **<body>** section of each page should include the following minimal code. You can alter this code to include a background color or image for the **<body>** and/or the table data **<td>** tags.

**<body>**

**<table align="center" width = "800px" cellpadding="15px">**

**<tr>**

**<td>**

**[INSERT YOUR WEBPAGE CONTENT HERE]**

**</td>**

**</tr>**

**</table>**

1. Heading centered on the page containing the text “Your FullName E-Portfolio PageName” (replace Your Fullname with your actual full name and replace PageName with Home or Gallery depending on the page name).
2. A set of navigational links to act as a menu. Your menu should look the same on each page; however, the menu item for the page that is currently active should NOT have link. For example, on your home page, your menu should have links for your gallery menu item but the menu item for the home page should just be text.
   1. Your navigational links should be centered on the page.
   2. You might choose to implement the text for your menu in a table for ease of aligning the menu items on the page.
3. Add a horizontal rule (i.e., the **<hr />** tag) before and after your navigational links to set them apart from the other content on your page.
   1. The horizontal rule dividers should not be the full width of the page. (**HINT**: use the width attribute)
   2. The horizontal rule dividers should be centered on the page.
4. A “footer” section offset from the other content of your page using a horizontal rule (e.g., the **<hr />** tag).
   1. The footer section should contain the text “Contact Me” that is a link to your email address.
   2. The “Contact Me” text should be centered on the page.

**Home Page (index.html)**

The home page is a general “about me” type of page. You can use the example website as a guide for creating your home page (see <http://people.tamu.edu/~jon.jasperson/INFO210/index.html>). Be sure to “disable” the home link in the navigational menu for this page.

1. Add a personal image (i.e., a picture of yourself) at the top of the page after your navigational links. A personal image is an image that you own. This means you should either take a picture or scan a picture to use.
   1. Your picture should be centered on the page.
   2. Adjust the width and/or height of the picture as necessary.
   3. Remember you must use the **ALT** attribute for your image.
2. Write 1-2 grammatical sentences to describe yourself and introduce your website below your picture.
3. Include at least one (1) links to external websites in your “about me” description. For example, if you mention that you are a student at Texas A&M University, you might link that text to the main TAMU website.
4. Save this webpage as “index.html”.

**Gallery Page (gallery.html)**

Your electronic gallery will include three (3) different sections: favorite artists, favorite web sites, and image gallery. You should have a horizontal rule **<hr>** between each section for separation. Use the example website as a guide (see <http://people.tamu.edu/~jon.jasperson/INFO210/gallery.html>). Be sure to “disable” the gallery link in the navigational menu on this page.

1. **Favorite Artists**: create a table with three columns and three rows. This table should be centered on the page.
   1. The first row in the table should contain the following column headings: “Artist”, “Field”, and “Favorite Work”. The headings should be bold and underlined.
   2. In rows 2-3, enter information about two different artists in the table. You must have artists from at least two (2) different fields (e.g, author, painter, musician, etc.).
2. **Favorite Websites**: use an unordered list (e.g., bullet points) to show your favorite websites.
   1. The text of the link should not be the URL to the webpage.
   2. You must include at least two links.
3. **Images**
   1. Create an image gallery of at least two images.
   2. You must use the **ALT** attribute for all of your images.
   3. You must own the copyright to all of the images. (Use of a copyrighted image will result in a deduction of 50% of the possible points for the HTML assignment.)
   4. Do not include obscene or otherwise inappropriate images. (Use of an obscene or inappropriate image will result in a deduction of 50% of the possible points for the HTML assignment.)
4. Save this webpage as “gallery.html”.

**Other Requirements**

1. You must use each of the following tags at least once somewhere in your website. You need to understand how these tags work for your final exam in ISYS 210.

**<h#></h#> -- heading**

**<p></p> -- paragraph**

**<ul></ul> -- bullet list**

**<li></li> -- list item**

**<hr /> --- horizontal rule**

**<b></b> -- boldface**

**<i></i> -- italics**

**<u></u> -- underline**

**<a></a> -- anchor**

**<table></table> -- table**

**<tr></tr> -- table row**

**<td></td> -- table data (cell)**

**<head></head> -- defines document head**

**<title></title> -- title of webpage**

**<body></body> -- defines document body**

**<html></html> -- defines HTML document**

**<img /> -- image**

**Publishing Your Website**

After you have all of the webpages in your website working, make sure your website is published on the <http://people.tamu.edu> web server. Additional instructions for publishing your website are available from the in-class HTML discussion and on the web (see <http://people.tamu.edu/Getting_Started/Posting_Files_to_the_Web.php>).

1. Make sure all of the files for your website are published in the “public\_html” folder on your people.tamu.edu web space. The easiest way to do this is to visit the computer lab. (If you create all of your files in this space originally, you will not have to worry about moving the files here later.)
2. Your “public\_html” folder should include
   1. The two webpages you created (i.e., index.html and gallery.html)
   2. Any image files on your website.
   3. Any other files (e.g., background images) that you added to your website.

## Deliverables

Submit your completed work on the course website. To submit a deliverable on the course website, you must do the following:

1. Click “Text Submission – Write Submission” button. Enter the URL for your website in the “Text Submission” textbox. The URL for your website is <http://people.tamu.edu/~NetID> (replace NetID with your actual NetID). You can produce the tilde (~) on most keyboards using the key just to the left of the number 1 on the top row.

1. In order to attach the files, you need to proceed under the text submission box to where it says “Attach File” – you will browse your computer and attach these files:
   * index.html
   * gallery.html
2. After you have uploaded the attachments ***AND*** entered the URL for your website, you **must** click the “Submit” button.

*After submitting your homework, please review your final submission by clicking the filename of your uploaded files AND confirming the file can be opened AND that you uploaded the correct file. You can also click the URL link to check if your website will open. If you discover you uploaded the wrong file or that you cannot open the file, review the instructions in the “Uploading Assignment Instructions” available from the course website. If you need additional assistance, please visit one of the teaching assistants in the OAL computer lab.*

## Reference Materials

There are several tutorial documents available from the TAMU TechDocs website. Visit <http://techdocs.tamu.edu> and select “Web Development” from the menu. Review the material in the 6 tutorials titled “Web Page Creation…”

Another useful resource that has several tutorials available for learning HTML is the W3 Schools website (<http://w3schools.com>). Select “Learn HTML” from the menu options at left.

Another useful resource that offers several online lessons for learning HTML is the Code Academy website (<http://www.codeacademy.com>).

Lastly, you can use the lecture notes from in-class HTML discussions for a guide in creating your website.

Other useful websites:

* <http://people.tamu.edu/Getting_Started/Creating_a_Web_Page.php>
* <http://people.tamu.edu/Tutorials.php> (Note: do not use the “Creating a Web Page Using Dreamweaver” tutorial available on this page for creating your E-Portfolio website)