

jwannerGetting Started - Establishing a Web Presence

NOTE: If you have had a previous ITWP course you will be updating *index.htm* (Web Program Homepage) to link to and include ITWP1100.

Please check your directory structure once you are logged into the Web server. Some folders may be named using all uppercase letters some may be named using lowercase letters. You will have to adjust your file path accordingly.

Section 1.0 – Student Server Account Setup PDF

Please refer to the **Student Server Account Setup PDF** in the Week 1 folder (it's also located within the Course Information folder – **Lessons > Course Information**) for instructions on how to connect to the MCC Web server so you will be able to upload your work to the server.

Starting on the bottom of Page 2 of the Student Server Account Setup PDF, you will find the information that you will need for setting up your connection to the web server. You can use the Quickconnect method or set up a more permanent site using the Site Manager, both methods are explained within the PDF document.

There are some short online videos inside the **Course Information (Lessons > Course Information)** folder that demonstrate how to upload files to the Web server using **FileZilla** if you need further assistance.

Section 1.2 - Setting up a Directory Structure

It's important to create a directory structure on your computer or storage device that will mirror the directory structure on MCC web server. This will make it easier to keep track of things when uploading your files to the web server.

1. Create a folder on your storage medium (computer or flash drive), naming it the same as your userid that you use to log into MyMacomb.
2. Inside this folder create another folder, naming it itwp1100 (see Step 3 below for an example).

NOTE: Students have used the A: drive, a Zip Drive, or the C: Drive to create this folder. You may only create the C: Drive on your personal computer as the computers located within the college erase any student files that were created during any given session.

3. For example, I created a folder titled **jwanner** (MyMacomb username) on my flash drive along with a folder titled **itwp1100** inside jwanner to mirror MyMacomb account. All the assignments for this class will reside in the itwp1100 folder.



Section 1.3 - Creating a Web Program Homepage

NOTE: If you've had previous ITWP courses and already have a Web Program homepage (index.htm) created, please go to the next section. If you wish to use HTML5, please feel free to recode your index.htm to use HTML5. If you took ITWP-1000 please see the note in item#2 below.

1. Create a simple homepage for the Web courses using Notepad or your favorite HTML editor. A simple but effective page is shown below. *(Please note that this template uses the HTML5 DTD. The page can be duplicated in your HTML editor with appropriate changes being made. Don't forget to replace "Your Name" with your actual name.)* If you want to be more creative, please do! Just be sure your web page successfully validates and is functional.
2. Type and save the following code shown below as **index.htm** in the root folder (not itwp1100) of your account folder on the web server. **Be sure to replace the words "Your Name" to include your actual name.**

NOTE: If you have already created a student homepage for the Web courses (index.htm) for ITWP1000 or other ITWP courses, you will be replacing it with a new index.htm file from the code shown below or simply updating the index file to link to your itwp1100 class homepage. If you would like to keep your ITWP1000 homepage so you have links to all your assignments, simply rename and save that index file to your ITWP1000 folder. Keep in mind that if you want to refer back to your "old" index.htm file from ITWP1000, you will have to adjust the file paths in order for the links to properly work.

3. Check your work in a web browser. FYI, the basic code below as is successfully validates as HTML5. It's important that you validate all your web documents before publishing them to the web and that they validate successfully. **Web page validation using the W3C online validation tool (<http://validator.w3.org/>) was covered in previous ITWP courses.**

```
<!doctype html>
<html lang="en">
<head>
<meta charset="UTF-8">
<title>Web Program Homepage</title>
</head>
<body>
<h2 style="text-align:center;">Your Name</h2>
<h3 style="text-align:center;">Macomb Community College <br>
  Web Development Degree Program</h3>
<hr>
<h4>Web Program Courses</h4>
<ul>
  <li>ITWP-1000</li>
  <li>ITWP-1050</li>
  <li>ITWP-1100</li>
  <li>ITWP-1400</li>
  <li>ITWP-2300</li>
  <li>ITWP-2400</li>
  <li>ITWP-2550</li>
  <li>ITWP-2600</li>
  <li>ITWP-2750</li>
</ul>
<p><!--validation goes here--></p>
</body>
</html>
```

The above code produces the following web page when viewed within a web browser (shown below):

Your Name

Macomb Community College Web Development Degree Program

Web Program Courses

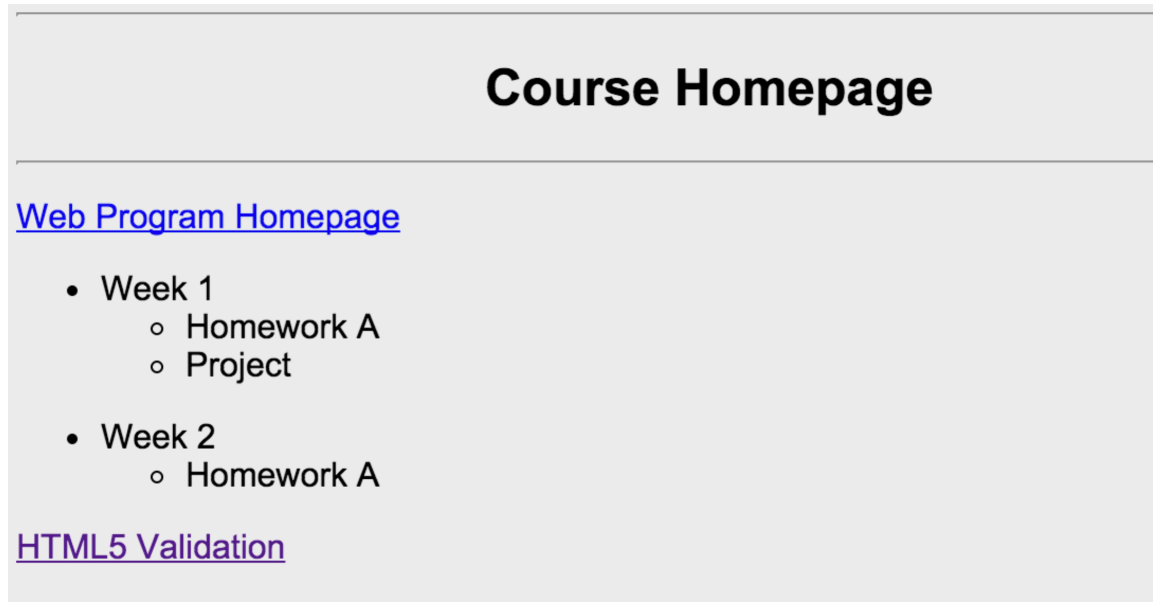
- ITWP-1000
- ITWP-1050
- ITWP-1100
- ITWP-1400
- ITWP-2300
- ITWP-2400
- ITWP-2550
- ITWP-2600
- ITWP-2750

Section 1.4 - Creating an ITWP1100 Course Homepage

NOTE: Beginning with ITWP-1000 in Fall 2013, the web curriculum is now using the HTML5 DTD.

Create a simple class homepage for the ITWP1100 course using Notepad or your favorite HTML editor. A screen shot of a simple but effective page is shown below. If you want to be creative with your page and not use the code below, go right ahead! Have fun with it! I will leave the creativity up to you. But, be sure **it validates successfully and is functional!**

- a. Save the code as **home.htm** inside the ITWP1100 folder. This is part of the directory structure you set up at the start of this document. The **home.htm** file will also be uploaded to the **itwp1100** folder located on the student web server.
- b. You can use the basic code below or create an ITWP1100 page of your own. Please adjust as appropriate.



Please note that this is a **12-week course**, only two weeks are shown in the screen shot below for demonstration purposes. Your course page should contain 12 weeks and be updated appropriately each week with links to your work.

Section 1.5 - Hyperlinking

Create a link from your **index.htm** document located in the root folder of your student folder to the ITWP1100 course homepage (**home.htm**) located inside the ITWP1100 folder.

1. Open the index.htm file with Notepad or any HTML editor.
2. Create a hyperlink that links index.htm to the **home.htm** file inside the itwp1100 folder. For example:

```
<a href="itwp1100/home.htm">ITWP1100</a>
```

3. Save your work.

Section 1.6 - Validating your Work

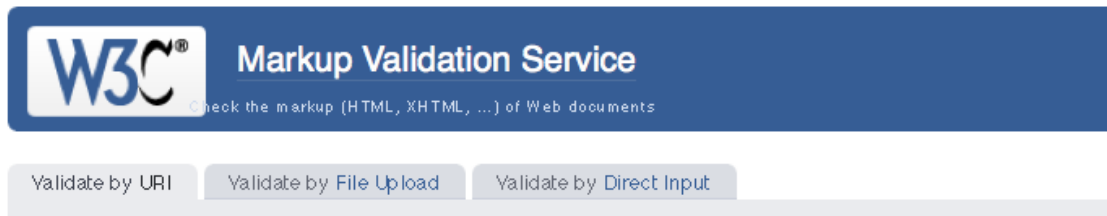
Please complete the steps below for index.htm (if you have not already) and home.htm. You must validate for the HTML5. Once it passes validation, you must include the HTML5 Validation link code located at the end of this section before the closing `</body>` tag.

Both web pages must successfully validate for the appropriate DTD used within the document.

If you have uploaded the HTML files to the web server you can use the Validate by URI method below. Your file has to be uploaded first in order to use that method or it won't work. If not, please use the File by Upload method stated below.

Please note that W3C recently updating the validation tool and the results interface may look slightly than different than what you are used.

1. Open up a new browser window and type the following URL:
<http://validator.w3.org/>.
2. You should be taken to the W3C Markup Validation Service website.



3. You'll notice three different ways that a web page can be validated; by **URI**, **File Upload** or **Direct Input**. Since you have not uploaded your index.htm file to the web server, yet let's validate by **File Upload**. You are only uploading the file to the validator, not the web server yet.

NOTE: URI stands for **Uniform Resource Identifier** which is similar to a URL. A URI can point to any resource file anywhere not just on the Internet.

4. Click on the **Validate by File Upload** tab to select it.



5. Use the **Browse** button to locate index.htm on your computer.
6. Click the **Check** button.
7. If your page has successfully passed validation, which means that all the tags are correctly used and formatted and all the HTML structural tags are used appropriately according to the W3C, then you will not receive any error messages within the **Message filtering** section of the web page. Your web page is "well-formed".

Message filtering

1. **Info:** The Content-Type was text/html. Using the HTML parser.
2. **Info:** Using the schema for HTML with SVG 1.1, MathML 3.0, RDFa 1.1, and ITS 2.0 support.

Document checking completed.

8. If it does **NOT** pass validation you will see something similar to this:

Message filtering

1. **Info:** The Content-Type was text/html. Using the HTML parser.
2. **Error:** Start tag seen without seeing a doctype first. Expected e.g.

```
<!DOCTYPE html>
```

[From line 1, column 1; to line 2, column 6](#)

```
<head><meta
```
3. **Info:** Using the schema for HTML with SVG 1.1, MathML 3.0, RDFa 1.1, and ITS 2.0 support.

Document checking completed.

9. If it does NOT pass, a list of errors including the line number and brief description of the error will be displayed. This step requires researching the error, correcting the HTML document and revalidating the source code until passes validation.

Your files must pass validation successfully.

- a. Click on the hyperlink for the error listed and it will jump you to the line where the error is located within the validation tool. If the line looks okay, then examine the code above it. Errors cascade down.

Use for HTML5 Validation:

If it passes validation, include the following line of HTML code below before the closing body tag (**</body>**) of your HTML document. I want to see the validation on **all** assignment pages.

```
<a href="http://validator.w3.org/check?uri=referer" title="HTML5 Validation">HTML5 Validation</a>
```

Please note that the above code will create a text hyperlink that reads "HTML5 Validation". Clicking on the link will display the validation page from the W3C. With past

DTDs a validation logo is displayed, currently a validation logo icon is not available for HTML5 so we are using a hyperlink to indicate validation.

NOTE: You may have to Google the meanings of some of the error codes you receive. Read the description of the code carefully to correct your error(s) if you have any. Post any obscure errors to the **Validation Help Forum** so your classmates can help out. Please do not email me with validation issues, I want them posted to the forum so everyone can participate – that's where the learning takes place. The process can sometimes take longer than development so please plan for it.

Section 1.7 - Uploading your Files

Now it's time to upload your new files to the student web server. **If you have any other HTML files residing at the root level other than index.htm, they will automatically be deleted without warning. This goes for folders other than the default folders your student account folder was set up with initially.**

1. Launch FileZilla or the FTP application of your choice.
2. Connect using your userid which is the same as your MyMacomb information.
3. You **SHOULD** be at the root directory (the main level). You can click the icon with the white folder and the up arrow to move up towards the root folder, or you can click on a folder in the list to move into that folder.
4. In the left pane, navigate to your *userid* folder on your PC so that the file named **index.htm** that you created and saved earlier, is visible.
5. Click on the filename to highlight it.
6. Making sure you can see the default account folders and the file named **index.htm** in the right pane and upload the file from your computer to the web server.
7. If asked if you want to overwrite, please do overwrite so that the new information becomes available.
8. Double-click the **ITWP1100** folder on the right side pane to make that folder active.
9. In the left pane, navigate to your ITWP1100 folder on your PC so that the file named **home.htm** that you saved earlier is visible.
10. Just as you did for your index file in the steps above, upload the **home.htm** file to the **ITWP1100** folder on the student server.
11. Open up Internet Explorer or your favorite web browser and enter this URL:

<http://itwp.macomb.edu/your-userid>

(don't forget to insert your userid where it reads "your-userid")

12. You **SHOULD** see the new index page you just uploaded that displays the links to all the ITWP folders.
13. Verify that your link works by clicking on ITWP1100. You **SHOULD** see the **home.htm** page you create earlier.
14. Logout of FileZilla.

Section 1.8 - Submitting your Work

Now that you've completed your work, you want credit for it right? Here's how:

1. Log into Angel.
2. Go to the **Lessons** tab, select the **Weekly Course Modules** folder and then select the **Week 1** folder.
3. Select the **Web Presence Drop Box**.
4. Under **Message** enter:
 - a. The URL to your class homepage.
(e.g., <http://itwp.macomb.edu/jstudent/itwp1100/home.htm>)
5. It is not necessary to attach any files. **The file attachment has been disabled for all homework drop boxes since you will be uploading all your work to the student web server.**
6. Click Submit.

You are now finished establishing your web presence for this course. **Please review the Weekly Schedule for other required assignment(s) due this week.**

Please be sure you test your links and your work. If I cannot access your work, I cannot grade it. The result will be a zero for the assignment.

*Grades will be assigned within the limits of the grading policy. Points listed within the Value column of the rubric below are the maximum number of points you can receive if your work is 100% correct. Incorrect work may receive zero through the maximum point value range listed within the Value column. **Late work is not accepted. The appropriate Angel Drop Box(es) will be closed at the time of assignment's due date. Email attachments of any assigned submitted work will not be accepted.***

*Please review the course **Late and Submission Policies** within the First Day Handout.*

Establishing a Web Presence Grading Rubric

Criterion	Value
Correctly created and updated (Web Program homepage) index.htm at the root level of your student account folder. ITWP1100 should be hyperlinked and actively linked to home.htm inside the ITWP1100 directory of your student account folder. Syntax must be correct.	2
Correctly created home.htm (class homepage) residing within the ITWP1100 folder of your student account folder on the web server. Syntax must be correct.	2
Hyperlinks are active and correctly link to their appropriate areas. Syntax must be correct.	2
Correct HTML/CSS syntax used in the development of the index.htm and home.htm web page. (CSS is optional).	3
Appropriate title tag used within each webpage. Syntax must be correct.	1
Course homepage contains a functional link back to the Web Program homepage. Syntax must be correct.	1
Successful HTML and CSS (if applicable) validation of the index.htm and home.htm files along with the displayed HTML5 and CSS (if applicable)	4

validation indicated in the footer area of each page.	
TOTAL POSSIBLE POINTS:	15