Homework: Hands-On Chapter Projects

The hands-on projects at the end of each chapter include detailed information that provides students with practical experience implementing technology skills in real-word situations.

NOTE: This course uses HTML5 and the HTML5 DTD.

In order to complete this week's hands-on project exercises, you must successfully complete the readings for **Chapter 1** within the textbook. This week's assignment requires you to complete **two exercises** in their entirety at **15 points each**:

1. **Hands-on Project 1-1** located on **pages 65-66** of the textbook.
2. **Hands-on Project 1-2** located on **pages 66-68** of the textbook.

Section 1.0 - Getting Started

You can use any text or HTML editor to complete this assignment: Notepad, Dreamweaver, Visual Studio, Programmer's Notepad and Text Wrangler are a few examples of acceptable applications.

NOTE: I will not be providing detailed instructions for every HTML/Text editor available. The instructions will be general and you will be responsible for applying the instructions to whatever HTML/Text editor you are using.

Student data files are supplied and located for the assigned Hands-On Projects in this week's folder.

1. Create a homework folder for this week's homework.
    a. Title the folder appropriately. Do not include spaces within the folder name.
    b. This is where you will store all the files used for completion of these hands-on projects.

Section 1.1 – Hands-On Project 1-1

In this exercise, you will use the document.write() statements in a script section to add financial planning tips to a web page. **You will be validating every assignment you complete it this course using the W3C online validator and validating for the HTML5 DTD. See grading rubric below.**

1. Launch your favorite HTML/Text editor and open up the appropriate supplied data file(s).
    a. The **HTML5 DTD** must be used for all assignments in this course.
2. Within the head of the document, add the **author** and **date** information.
3. Instructions for this assignment begin at the top of **Page 65** within your textbook.
4. Please proceed through the entire exercise and complete the instructions as you go along.
5. Include a link back to your ITWP1100 course homepage.
6. Be sure that the Web page displays and functions correctly within a Web browser and is error free.

a. Test in multiple Web browsers.
7. Validate the Web page for the appropriate DTD using the **W3C online validator** at: http://validator.w3.org.
    a. Correct any coding errors.
    b. Include the validation link (HTML5) at the bottom of the Web page before the closing body tag.

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.

8. Be sure that **ALL** of the files used to complete this assignment are included within the homework folder and that the folder is correctly uploaded to the ITWP1100 folder within your student account folder on the web server.

Section 1.2 – Hands-On Project 1-2

In this exercise, you will create a web page that uses variables to display information about high-speed Internet plans offered by an Internet service provider. **You will be validating every assignment you complete it this course using the W3C online validator and validating for the HTML5 DTD. See grading rubric below**

1. Launch your favorite HTML/Text editor and open up the appropriate supplied data file(s).
    a. The **HTML5 DTD** must be used for all assignments in this course.
2. Within the head of the document, add the **author** and **date** information.
3. Instructions for this assignment begin on **Page 66** within your textbook.
4. Please proceed through the entire exercise and complete the instructions as you go along.
5. Include a link back to your ITWP1100 course homepage.
6. Be sure that the Web page displays and functions correctly within a Web browser and is error free.
    a. Test in multiple Web browsers.
7. Validate the Web page for the appropriate DTD using the **W3C online validator** at: http://validator.w3.org.
    a. Correct any coding errors.
    b. Include the validation link (HTML5) at the bottom of the Web page before the closing body tag.

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.

8. Be sure that **ALL** of the files used to complete this assignment are included within the homework folder and that the folder is correctly uploaded to the ITWP1100 folder within your student account folder on the web server.

Section 1.3 – Error(s) and Help

Please use the **Peer Help** forums for assistance from classmates. All errors and/or issues should be posted to the forums so the entire class can participate and offer assistance and solutions for correcting issues. Your classmates are a valuable learning resource. You may also have to "Google" various types of errors produced by the validator during validation.

NOTE: The built-in error console (Tools > Web Developer > Error Console) located within Firefox is a very handy tool for debugging JavaScript code. Check out Firebug (http://getfirebug.com) as well. All modern web browsers contain debugging tools.

Section 1.4 - Submitting your Work

1. Upload the entire homework folder to the student web server inside the ITWP1100 folder of your student account folder.
2. Update your class homepage and create a link to both Homework assignments.
3. Notify the instructor via the **Homework 1 Drop Box** located in this week's folder that your work is uploaded to the web server and ready for grading.
   a. Once you notify me that your work is ready to be graded that is the equivalent of turning your work in to me. You are welcome to correct any errors once I have provided feedback, but the grade you originally were issued, remains.
4. Test it again to be sure everything is correctly hyperlinked and in working order.

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 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.*

Hands-on Project 1-1 Grading Rubric   15

Criterion	Value
Add the author and data information within the head section of the document.	1
Correctly linked Modernizr file as stated in the instructions. Syntax must be correct.	1
Correctly included script element within the body of the document as stated in the instructions. Syntax must be correct.	1
Correctly included comment and document.write() statements within the script tag as stated within the instructions. Syntax must be correct.	5
Correct display of content/output to the Web browser.	2
Successfully validated HTML document using the W3C validator and included validation indicated in the footer area of the web page. Your work must pass validation and the validation link (HTML5) must be present within your web page.	5
TOTAL POSSIBLE POINTS:	**15**

Hands-on Project 1-2 Grading Rubric   15

Criterion	Value
Add the author and data information within the head section of the document.	1
Correctly linked Modernizr file as stated in the instructions. Syntax must be correct.	1
Correctly included script element within the body of the document as stated in the instructions. Syntax must be correct.	1
Correctly included comment and var statements within the script tag as stated within the instructions. Syntax must be correct.	2.5
Correctly included script elements within the table element of the document as stated in the instructions. Syntax must be correct.	2.5
Correct display of content/output to the Web browser.	2
Successfully validated HTML document using the W3C validator and included validation indicated in the footer area of the web page. Your work must pass validation and the validation link (HTML5) must be present within your web page.	5
TOTAL POSSIBLE POINTS:	**15**

Modified on: 8/4/15