

DECO1400/7140 Introduction to Web Design

Assignment 2 – Website Implementation – 20% of final grade

Due Week 11 (17 May 2013)

Aims & Objectives

Within this course, students are required to design and develop a personal portfolio/ resume website aimed at potential employers. The aim of this second assignment is to implement the website you designed in Assignment 1 using HTML/CSS/JavaScript.

Process

- Do you need to make any adjustments to your site design?
- Code your basic HTML pages.
- Code your CSS stylesheets.
- Select appropriate areas to apply additional interactivity using JavaScript.
- Validate as you go to ensure your code is free from errors.
- Comment your JavaScript to demonstrate your understanding.

Requirements for the Website Implementation

- Complete HTML markup and CSS styling for the design presented in Assignment 1.
- Addition of at least **three** different elements of JavaScript to your website. Select appropriate interactivity from the list of JavaScript options below. These should add to the user experience of your website.
- JavaScript code should be commented in both JavaScript files and in the HTML pages where it is used. Your comments should explain what the JavaScript is doing.
- It is up to you whether you use HTML 4.01 or XHTML 1.0, however you must use the same for all pages in your site.

JavaScript Options

- An interactive image/content gallery
- A user login that stores user data collected in a cookie & displays it in your website (consider what would be useful to collect from them)
- Form validation with appropriate error messages (using DOM Scripting, not alerts)
- An accordion (or similar) for displaying sections of content on a single page
- Dynamic display of information from another site (ie. Twitter feed, news, or sports results – that is relevant to you & your site)
- Animation for navigational or other page elements (ie. dropdown or flyout)
- If you want to use different JavaScript elements in your website, you need to discuss this with teaching staff to ensure it is of a suitable level for the assignment.
- If you want to challenge yourself, you may want to conduct some more advanced JavaScript coding experiments to display in your website. Again, these need to be discussed with teaching staff to ensure their suitability for the assignment.

Submission

Students will submit their completed website files & a one-pager describing any changes to the original design, which JavaScript elements they chose to implement and why.

All files should be submitted in a single .zip file to Blackboard. Website files should follow the directory structure below:

-  index.html (your home page file should always be named index.html)
-  any other html files for your website
-  css (all stylesheets should be contained in a css directory)
 -  style.css (your main CSS file should be named style.css)
 -  any other CSS files your site requires
-  images (all images should be contained in an images directory)
 -  any images required for your website
-  js (all JavaScript files should be contained in a js directory)
 -  any JavaScript (.js) files your site requires
-  your one-pager (as a .PDF file)

The one-pager should contain the following:

- Description of any changes made to the design you submitted in Assignment 1 and justifications for each related back to site purpose, users & design principles.
- Description of the JavaScript elements implemented in your website and justifications for each describing why you chose them, related back to site purpose and user experience.

Marking Criteria

Your assignment will be marked according to the following criteria:

- HTML/XHTML has been implemented to a high standard – well structured and semantically correct, no errors in work (either through validation or presentation).
- CSS has been implemented to a high standard, no errors in work (either through validation or presentation). Styling is consistent across the site.
- JavaScript elements are highly appropriate, fully functioning and have been implemented to a high standard. Commenting demonstrates a high level of understanding.
- The content for the website is highly appropriate and has been fully incorporated. Images display correctly and with appropriate alt tags.
- Links and navigation are functioning correctly. Navigation is well-considered and consistent across the site.
- Website follows the given file structure.
- The website has been completed to a professional standard (content including spelling & grammar, design & functionality).
- Website is clearly representative of proposed design. Changes where made have been well integrated.
- One-Pager : Changes to original design are clearly documented and well justified in relation to site purpose, users, design principles.
- One-Pager : JavaScript elements implemented are clearly described and well justified in relation to site purpose and user experience.
- One-Pager : Language & writing style is of a high standard. No errors in work.

Marking Rubric

Criteria	Poor	Satisfactory/Good	Excellent
HTML/XHTML usage	Incomplete. Many errors remain in the HTML/XHTML. 0	HTML/XHTML is semantic and has been used appropriately. Minor errors remain – in semantic use or through validation. 1 1.5	HTML/XHTML has been implemented to a high standard – well structured and semantically correct, no errors in work. 2
CSS usage	Missing or incomplete. Many errors remain in the CSS. 0	CSS use is appropriate, minor errors remain – presentational or through validation. Styling is mostly consistent across the site. 1 1.5	CSS has been implemented to a high standard, no errors in work. Styling is consistent across the site. 2
JavaScript (2 marks per element for a total of 6)	Missing or incomplete. Significant errors remain in JavaScript preventing functionality. Commenting does not demonstrate an understanding of the material. 0 1	JavaScript elements are appropriate and have been implemented with minor issues. Commenting demonstrates a basic understanding of material. Minor errors in functionality. 3 4.5	JavaScript elements are highly appropriate, fully functioning and have been implemented to a high standard. Commenting demonstrates a high level of understanding. 5 6
Website Content (and images)	Missing or incomplete. Placeholder content remains in site. All/majority of images are not displaying and/or missing appropriate alt tags. 0	Content has been fully incorporated. Images display correctly and have appropriate alt tags. Content requires further consideration. Minor issues remain. 1 1.5	The content for the website is highly appropriate and has been fully incorporated. Images display correctly and with appropriate alt tags. 2
Links & Navigation	All/many links are broken. Unable to navigate through site due to ill-considered navigation or errors in navigation links. 0	Links and navigation are functioning. Minor issues remain in navigation – in consistency or format. 1 1.5	Links and navigation are functioning correctly. Navigation is well-considered and consistent across the site. 2
File Structure	File structure is not followed resulting in a confused submission. 0	Website follows the given file structure with minor issues. 0.5 0.75	Website follows the given file structure. 1
Overall Website	Website requires significant work to bring it to completion or professional standard. 0	Website has been completed to a satisfactory standard. Some work required to bring content, design and/or functionality up to a professional standard. 1 1.5	Website is polished and professional in all aspects. 2
One-pager - changes	Missing or incomplete. Changes to original design are not documented or justified. Where included, justification is poor and not related to site purpose, users or design principles. 0	Changes to original design are documented with basic justification. Justification requires work to better relate changes to site purpose, users, design principles. 0.5 0.75	Changes to original design are clearly documented and well justified in relation to site purpose, users, design principles. 1
One-pager – JavaScript	Missing or incomplete. Unclear what JavaScript elements have been implemented or why. 0	JavaScript elements implemented are described with basic justification. 0.5 0.75	JavaScript elements implemented are clearly described and well justified in relation to site purpose and user experience. 1
Language & writing style.	Language & writing style is inappropriate. Many errors in report. 0	Language & writing style is of a satisfactory standard. Some errors remain. 0.5	Language & writing style is of a high standard. No errors in work. 1
TOTAL /20			