

CS6251 Web Technologies I
Final Project
Due date: Dec 3, 2017, 11:55pm

Objective

Design, develop, and publish a website using recommended design practices.

Overview

For the final project, you will create a personal website that serves as a career portfolio. The target audience of the website are possible employers that might be interested in hiring you. An online career portfolio offers the opportunity to provide information that goes beyond the information that is typically submitted in a job application. For example, the portfolio can showcase major projects you completed in your classes. The style, design, and content of the website depend on the type of job you are looking for. But in general, an online career portfolios websites should be easy to navigate. It might contain the following information

- Contact information
- Objectives, career goals
- Biography, education
- A portfolio that showcases your work and acquired skills
- Experience, accomplishments, awards, and strength, etc.
- Some personal information

You will publish your online career portfolio to the Internet.

Requirements

Your site should be designed to show off your skills and to demonstrate what you have learned in this course. It should look professional, but note that professional does not mean boring. Your website has to consist of a homepage and at least three additional pages. Separate content, style, and behavior: Use an external style sheet (.css file) to configure the style, like text, color, and page layout. Use a .js file to implement the behavior of your site.

Required components of the pages include:

- Appropriate meta tags (including description meta tag)
- Consistent banner logo area
- Consistent main navigation
- Association with external style sheet (.css file)
- One extra feature: Flash swf, YouTube video, CSS image gallery, or CSS Transition
- One page containing a form with at least three elements; the form should be validated before submission, and it be processed by sending it through e-mail or by using a free service, like <http://formbuddy.com>.
- The site is styled for use by smartphones, tablets, and desktops.
- Include three different Bootstrap features in your website. In particular there has to be at least one CSS feature (see <http://getbootstrap.com/css/>), one Bootstrap component (see <http://getbootstrap.com/components/>), and at least one JavaScript component (see <http://getbootstrap.com/javascript/>) that you have customized through your own JavaScript/jQuery code.

- Create a text files that includes the name of each Bootstrap feature and the page (filename) where it was applied. I will need this document for grading purposes as I won't be able to search through everybody's' files to find these features. You will not receive any points if you don't submit the text file with the required information.

Your website may be built on Bootstrap, or you may style your site on your own and just incorporate the required Bootstrap features. Your project may include the used libraries (jQuery, Bootstrap) or use a CDN to link to those libraries.

Mozilla Firefox, Microsoft Edge, and Google Chrome must render each page. All pages should pass html validation, and the style sheet should pass CSS validation.* Include the validator output for each file in your submission. Don't forget to create a repository for your website when you get started and to commit your changes regularly.

You have to publish your personal website on the Internet. You may use your account on the UWG student server or a different service to publish your website if you want to. You need to include the URL of your website in a text document that is submitted together with all other files for this project. Note that a text document has the extension .txt. You can use Notepad++, for example, to edit a text file. The website has to be available on the Internet from the due date on Dec 3 (11:55pm) to Dec 11 (11:55pm).

Do not use any external libraries, other than jQuery and Bootstrap libraries. The purpose of this project is to apply what you have learned in this class and to demonstrate that you have a good understanding of how HTML, CSS, and JavaScript work. You will not receive points for refactoring other persons' code.

Submission

Archive the folder that contains ALL files with your solution using the ZIP format. The submission has to include

- all files necessary to view your website
- the pdf-files with the validator output for all HTML and CSS files.
- a text file that contains the URL of your published homepage
- a text file that names your implemented Bootstrap features and their location.

Include your name in the filename of the zip-file, for example, FirstnamLastnameFinalProject. Submit the zip-file on the course website before the due date.

Grading Rubric

	Very Good	Developing	Needs Improvement
Design	(15-20 points) Well-designed, interesting, functional, and professional site. The site differs significantly from the Yoga studio case study.	(10-15 points) Overall good site design, but lacking in some areas, e.g. not geared toward the target audience, simplistic design, lack of functionality	(0-10 points) Very plain simplistic site. The site is very similar to the Yoga Studio case study.
Publish to the Web	(8 points) All pages are published to the Web such that all content is accessible.	(1-7 points) Not all pages or not all content is accessible though the web.	(0 points) Not published
Repository	(5 points) Repository with regular commits.	(2-3 points) Repository, but only few or no commits	(0 points) Repository is missing
Web Pages	(40-50 points) All pages demonstrate web design best practices. The required number of pages has been implemented. All required components are included.	(30-40 points) Page does not follow one or more web design best practices. There are less than 4 pages. One component is not included.	(0-30 points) Several web design best practices are not followed. There are less than 4 pages. Some components are not included.
HTML Validation	(12 points) Each page passes HTML validation as indicated on the validator output.*	(7-11 points) Most pages pass HTML validation as indicated on the validator output.*	(0-4 points) Most pages do not pass HTML validation as indicated on the validator output.*
CSS Validation	(5 points) External CSS file is present, and passes validation as indicated on the validator output.*	(1-4 points) External CSS file is present, but does not pass validation as indicated on the validator output.*	(0 points) External CSS file is not present.

* Some errors and warnings flagged by the validator are acceptable. For example, it is okay if you include browser-specific CSS properties in addition to a CSS3 property if the corresponding browser does not [yet] support the new CSS3 property.