1   Website Requirements

You have one personal semester-long website project divided into several programming assignments, and you get to come up with the idea! The website requirements are flexible, but it must have certain capabilities to demonstrate that you have learned web development skills taught in class. The theme of your website cannot change over the course of the semester, so choose wisely. The theme must be approved by the instructor - so make it appropriate in scope and content. Try and be as descriptive as possible. The more upfront requirements you nail down, the easier it will be later.

(a) **What is the general theme?** For example: photo gallery, recipe repository, Twitter clone, e-commerce inventory, API-driven data mining, generic wedding, message board for the class, dentistry, etc.

(b) **What is it going to do?** For example: draw customers to a photography business by showing a portfolio, pricing, contact information, and booking. Mine data from IMDB to answer questions about movies and movie stars. Forum to facilitate communication between users. Etc.

(c) **Who is the target audience?** For example: The general public, family members, research scientists, students, etc.

(d) **What users will log in into your website?** Your website is required to have a login feature. It is not necessary to require a login to use the site (unless your theme demands it), your website can merely require a login for certain features. For example, storing user preferences, order history, admin logins to manage data like image galleries, etc.

(e) **What sort of data will it manage?** This doesn't include static data, such as logos, headers, and footers. Think of any data that will be dynamically generated based on user form input. For example: user comments, uploaded images, credit cards, etc. Obviously, all websites will need to manage users/password login information.

(f) **Stretch Goals?** Once your project is fully functional and demonstrates adequate scope, what extra features do you want to implement? What additional gold plating would make your website utterly awesome? Stretch goals aren't part of your grade; they are just for your own satisfaction.

2   Domain Name

All websites need a domain name. You will develop your website locally and host it on Boise State servers. Upon completion, you retain rights to your creation, and have the option of hosting it on a separate server. You must find an unused domain name, and if you decide to buy one, you must do it at your own expense.

(a) **Find an available domain name.** For example: http://www.conradphotography.com, http://www.unclebobdentistry.net, etc.

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