CS 3800 – Web Development I
Final Project – Spring 2018
Overview

Your final project for this course is individual, meaning that each student will be designing and implementing a website of their choosing. Keep the following in mind when deciding on the purpose of your site:

Your site should be some sort of business that requires interaction with a customer via the website. Some examples are an e-commerce site, a site that makes reservations or schedules appointments, or a restaurant that allows customers to place take-out orders. You may not use a bookstore or a library, since we have used those for other assignments.

Be sure you are following good website design as described in the Website Guidelines document. In addition:
- Use separate files for items that are the same on all pages, such as the header, footer, and navigation sections
- Use functions for all main tasks and for all database queries
- Be sure to validate input as needed (for example, if you ask for a phone number, be sure it's in the correct form)
- Be sure to filter input to avoid injection attacks
- All inventory or description of services, etc., must be stored in a database and retrieved through a query. Do NOT hard-code any specific items within your website.

Your website must use these features:
- Login/logout as described in part 3
- User interaction that involves purchasing/scheduling or similar
- You must use at least one form as part of the user interaction.
- Use images and text to display items to be purchased/scheduled
- A shopping cart or similar that shows the user what they have purchased or scheduled
- At least one admin page that allows the the admin to modify inventory or similar operation
- Styling: all pages must have a professionally-styled fluid layout.

Wow! points. Correctly meeting the requirements above will result in a score of 90%. You must include other advanced features or enhancements for the final 10%. You do not need pre-approval for the features you use, but you may want to discuss your plan with the instructor to be sure it is 'enough' to satisfy this requirement.

Presentation – you will present your work during class between April 12-20.

Weekly progress checks – Dates and requirements for each progress check are described in the part 1 – part 5 documents on Pilot. Students may complete the progress check early by appointment. No late progress checks will be conducted. Students who do not attend class the day of the progress check will receive a 0 for this check unless it was completed early or unless there is as documented emergency. In the case of such an emergency, the student must contact the instructor before the progress check deadline to schedule a makeup.

Grading (230 points possible):
- Progress checks: 5 @ 20 points each = 100 points
- Completed website/database: 100 points
- Presentation/attendance at other presentations: 30 points