CSCI 311 Final Project

What to hand in:

The following is due to VIU Learn by ~~March 27, 18:00~~ April 9, 18:00

- A .zip file containing all code (html, css, js, php, media, and any other files needed to run)
- Readme.txt
- Todos.txt

Final Project (55% of total mark)

- **Projects must be completed by ~~March 27 (18:00)~~, April 9 (18:00)** all source files should be zipped and uploaded to VIU Learn, and the web sites should be live at this time.
- Demos of projects will be done in the final week of Labs. Demos are individual.
- Project **must be** hosted on VIU's CSCI apache server (unless prior arrangements have been made). Failure to do so will result in a 0 grade on the project.

Assessment:

There are two portions of grade for the final project mark:

- requirements (85%)
    - these will be evaluated objectively based on the requirements listed below
- stretch goals (up to 15%)
    - how each identified stretch goal is incorporated into the project will be evaluated using the following rubric (note: this is separate from the stretch goal presentation):

5	4	3	2	1
Demonstrated mastery of chosen technology or tool. Tech. or tool is seamlessly integrated into project. Tech. or tool adds significant value to the project.	Demonstrated understanding of chosen technology or tool. Tech. or tool is integrated into project. Tech. or tool adds good value to the project.	Demonstrated an attempt at understanding of chosen technology or tool. Tech. or tool is somewhat integrated into project. Tech. or tool adds some value to the project.	Demonstrated weak understanding of chosen technology or tool. Tech. or tool is weakly integrated into project. Tech. or tool adds little value to the project.	Little or no understanding of chosen technology or tool. Tech. or tool is not integrated into project. Tech. or tool doesn't add value to the project.

Project Requirements:

Your project **must include**:

- Server-side programming
- Client-side programming
- Adherence to design principles
- Dynamic page generation (both server-side and client-side)
- Database access and use
- HTML for structure
- CSS for style
- User login

- Adherence to security principles
- Adherence to accessibility principles
- Adherence to course code standards

The project must:
- Consist of at least 3 distinct main pages
  - These may include sub-pages or sub-content
  - Not including login/logout pages
- Include user login for either:
  - Limited access to certain parts of the site or content
  - User customization of look and feel
- Function on all common browsers (may limit to browsers available in lab)
- Look good and function correctly on different size screens (mobile, desktop, tablet). This can be achieved by:
  - Responsive design, or
  - Dedicated pages for different platforms
- Be hosted on VIU's CSCI apache server

Stretch Goals:
This is where you can as a team can push yourselves to learn more. In order to qualify, the chosen stretch goal(s) must be **not be previously known by anyone in the team**. In addition to the above requirements, choose up to three of the following goals:
- Use one or more API, Library, Framework
  - See the Functional Prototype document for ideas
- Implement your own Framework
  - For example, implement a Model View Controller (MVC) and use it
- Use Object Oriented features of JS or PHP that we don't cover in class:
  - Define and use classes
- If you have another stretch goal in mind, please discuss it with the instructor