

# CSC443 - Spring 2025

## Project Part 2

Due Date: 17/04/2025

**Project Requirements:** For this final project phase, you will extend the front-end website from Project Part 1 to include dynamic functionality, integrate back-end technologies (MySQL, PHP), and make the website fully operational with database functionality.

1. Back-End Implementation (MySQL, PHP):
  - Set up a local development environment using XAMPP or WAMP.
  - Implement server-side scripting with PHP to handle data and user interactions.
  - Utilize MySQL to create and manage a database for your website.
2. Use of MySQL (20 points):
  - Create a fully functional database schema that supports the website's features.
  - Implement the schema into a functional database via MySQL.
3. Front-End Improvement & Additional Features (20 points):
  - Enhance and refine the front-end design for improved user experience.
  - Add more dynamic features or functionalities to the website (e.g., user profiles, search functionality, interactive elements).
4. Integration of jQuery and AJAX (20 points):
  - Incorporate jQuery to simplify and enhance client-side scripting.
  - Implement AJAX to enable asynchronous data retrieval and real-time updates.
5. PHP Scripting (20 points):
  - Write PHP scripts that interact with the front-end and MySQL database.
6. Documentation & README Quality (10 points):
  - Provide detailed documentation on both front-end and back-end components.
  - Describe, in bulleted list format, the changes that were applied to phase 1.
  - Reference any online resource that was used in your project.
7. Overall Presentation & Design (10 points):
  - Maintain a visually appealing and user-friendly design throughout the project.