COMP-2707
Advanced Web Design
Winter 2024

Final Project: created by: Dr. Saja AL-Mamoori
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School of Computer Science
https://cs.uwindsor.ca

Final Project

Points	Submission	Due date
5	Create a brief report explaining your design choices and how you implemented the various features of this project. The report should be a maximum of 2 pages. Upload the file as pdf on Brightspace.	Monday Mar 25
35	Upload your project with all source code files on MyWeb, including HTML, CSS, JavaScript, and PHP. Then submit the link to the website's home page in the submission page of the final project on BS.	Monday Mar 25

Project Title: Computer Science Hub

Project Overview: You are tasked with designing a website called "Computer Science Hub" for university students. The website will serve as a resource hub, providing information, resources, and tools related to the students' coursework. The website will consist of five main webpages:

1. **Home Page**

   - Create an attractive homepage welcoming users to the "Computer Science Hub."

   - Include a navigation menu with links to other sections of the website.

   - Display the latest news or updates related to the Computer Science department.

   - Utilize HTML and CSS to structure and style the page. Use a variety of HTML elements like <p>, <div>, <img>, etc. and a variety of styling rules using CSS. You can use inline, internal, or external styling.

2. **Courses Page**

   - Develop a page that lists up to 10 courses offered in the university. The courses can be part of a specific program offered by the university or just general courses.

   - Use an HTML table to organize course information, including course name, instructor, and schedule.

   - Implement CSS to style the course table and listings for clarity and readability.

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3. **Tutorials Page**

   - Create a page with a list of tutorials and resources provided by the hub to students. The resources should be related to the courses addressed on the Course page.

   - Include a search bar allowing users to search for specific tutorials.

   - Use JavaScript to implement the search functionality.

   - Provide detailed information on each tutorial, including a brief description and a link to the resource if it is an external website.

4. **Student Resources Page**

   - Design a page that offers other resources such as e-books, articles, and study materials.

   - Implement a file upload feature to allow instructors to share course materials (PDFs, slides, etc.).

   - Use PHP to handle file uploads and create a secure system for accessing these resources.

5. **Contact Page**

   - Develop a contact form that allows users to send inquiries or feedback.

   - Use JavaScript to validate the form inputs and provide feedback to users.

   - Create a PHP script to process and send email notifications to the department.

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Additional Features and Functionality (Textbook Chapter Integration):

- HTML and CSS (Chapter 1-5): Use these chapters to structure and style the website's layout and content effectively.

- JavaScript (Chapter 6-9): Integrate JavaScript for interactive elements like the search bar and form validation.

- PHP (Chapter 12-16): Implement PHP to handle file uploads, process form data, and send email notifications.

Project Guidelines:

- Ensure that the website is visually appealing and responsive (mobile-friendly).

- Follow best practices for HTML, CSS, JavaScript, and PHP coding.

- Test the website thoroughly to ensure it works correctly and is user-friendly.

- Document your code and provide comments for clarity.

- Consider security measures, especially when handling user data (e.g., file uploads).

- Keep the user experience in mind, making navigation intuitive and easy for the users.