ENSF-381: Assignment 2

Winter 2024

Department of Electrical and Software Engineering Schulich

School of Engineering

Due: February 28, 2025, at 11:59 PM

In Assignment 01, you built the HTML structure for a Learning Management System (LMS). Now, in Assignment 02, you will enhance the LMS by applying CSS styling to improve the user experience. This assignment will focus on styling the layout, colors, fonts, buttons, and overall design of the LMS pages while maintaining the HTML structure from Assignment 01.

Administrative Details
- The submission should be a ***single compressed file (.zip)*** that includes the complete source code and resources (e.g., images), ready for execution without modifications.
- Name the submitted file as: Assignment2_ENSF381_Section#_Group#
  Example: `Assignment2_ENSF381_L01_Group01.zip`
- If working in a group, submit ONLY ONE copy.
- Include group members' names and UCIDs at the top of the `index.html` file as comments.

Specifications:

You will apply CSS styles to the Homepage, Login, Course View, Attempt Quiz, and Leaderboard pages that were created in Assignment 01.

Instructions:
- Write all CSS code in the `styles.css` file that was created in Assignment 01.
- Do not modify the HTML structure. Only use CSS for styling.
- If you did not complete Assignment 01, a reference solution will be available on February 11, 2025, in D2L to help you proceed with this assignment.
- Two concepts will be needed which are not discussed in class: *border-radius* and *box-shadow*. You can look up these concepts on the internet for using them in your assignments.

---

1. Homepage (`index.html`) - 10 Marks

CSS Styling Requirements:

A. Header (<header>)
- Set background color to **#004080** (deep blue).
- Apply **padding of 20px** and **margin of 0**.
- Use **Flexbox** to align the LMS logo on the left and the LMS name on the right.
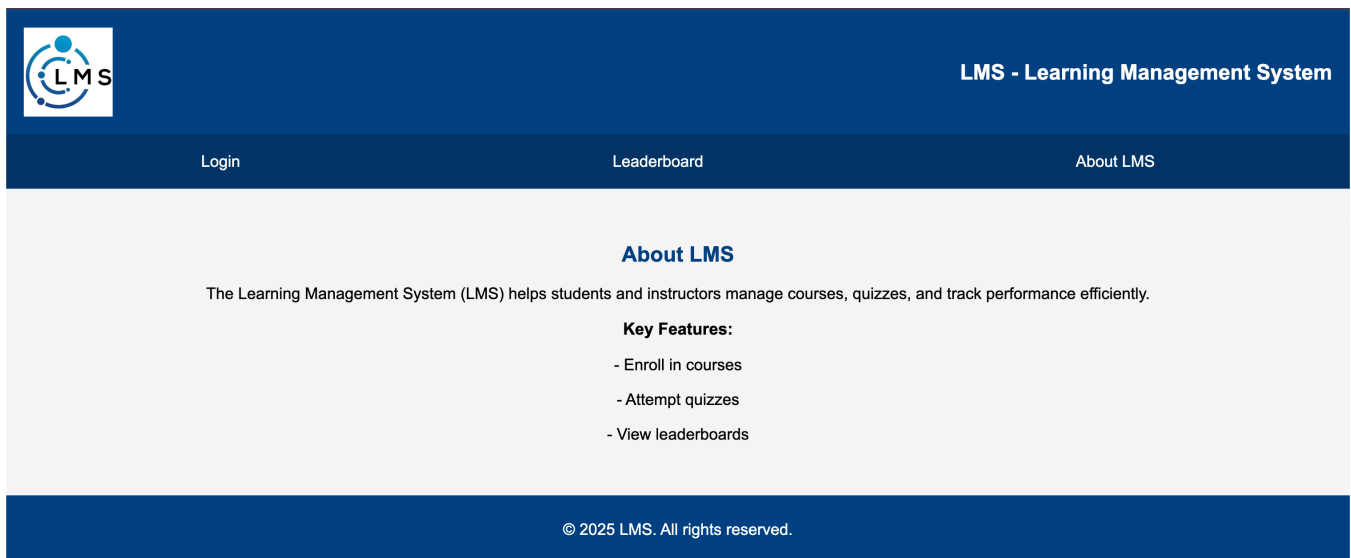
B. Navigation Bar (<div>)
- Display navigation as a **flex container**.
- Make even spacing of navigation links to other pages.
- Underline the navigation links when hovering the mouse on them.
- Set background color to **#003366** (dark blue) with **white text**.
- Apply **padding of 10px** for better spacing.

C. Main Content (<main>)
- **About LMS Section:**
  - Set background color to **#d4d4d4 (light gray)**.
  - Center-align the text.
  - Apply **padding of 20px** and **margin of 20px**.

D. Footer (<footer>)
- Set **background color** to #004080 (deep blue) with **white text**.
- Apply **padding of 10px**.

---

2. Login Page (`login.html`) - 10 Marks

CSS Styling Requirements:

A. Header, Navigation, Footer
- Same styling as **Homepage**.

B. Login Form (<main>)
- **Center-align** the login form using flexbox.
- Set background color to **#d4d4d4 (light gray)**.
- Add **padding: 30px**, left and right **margin: 150px**, and **border-radius: 30px**.
- Add **shadow effects** for better visual appeal.
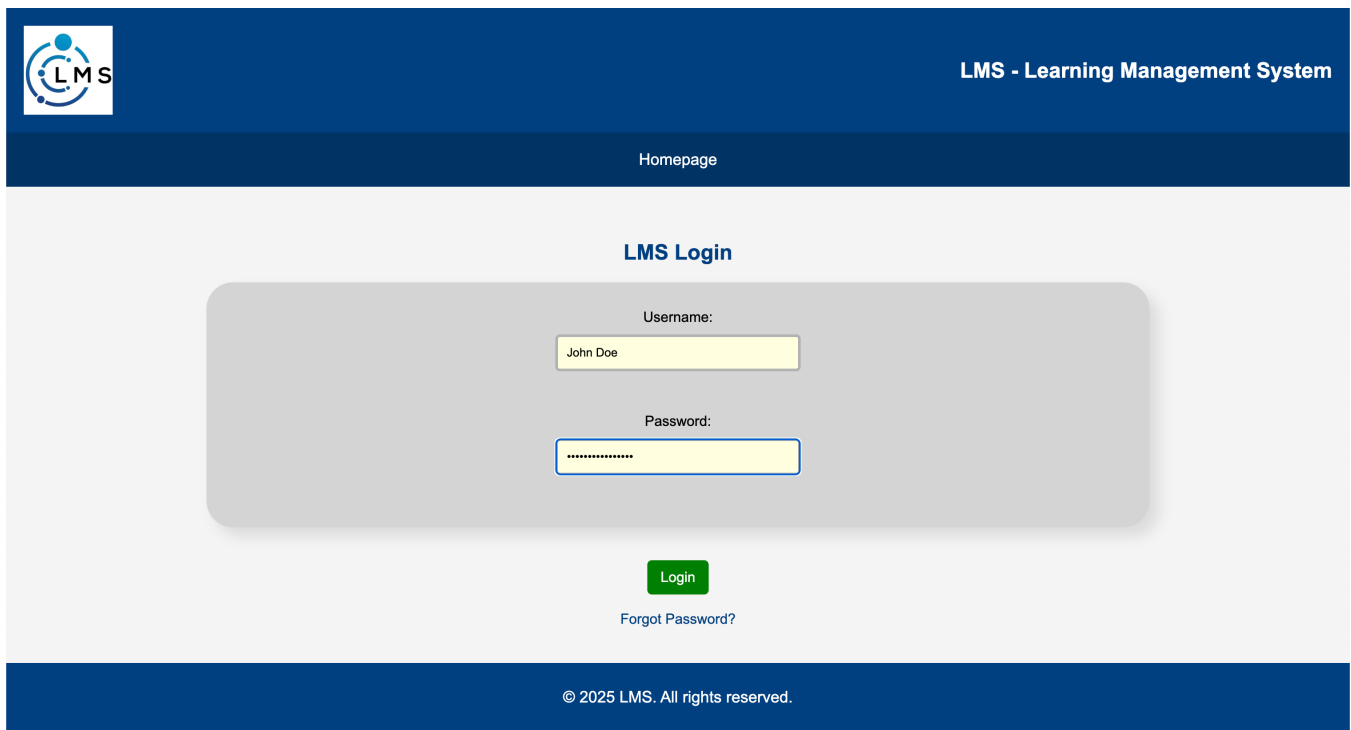
C. Input Fields
- Style **username** and **password fields** with:
  - Background color: **light yellow**.
  - Padding: **10px**.
  - Rounded corners (border-radius: **5px**).
  - Border: **dark grey** and **3px** wide.

D. Login Button
- Use **#008000 (green)** with **white text**.
- Add hover effect: **darker green (#006600) when hovered**.

E. Forgot Password Link
- Color: **#004080 (deep blue)**, underlined on hover.

3. Course View (`course_view.html`) - 30 Marks

CSS Styling Requirements:

A. Header, Navigation, Footer
- Same styling as **Homepage**.

B. Term Selection (<select>)
- Style dropdown menu with:
  - Background color: **light yellow**.
  - Border radius: **5px**.
  - Padding: **5px**.

C. Course Tiles
- **Each tile** should:
    - Have a **background color of #e6f2ff (light blue)**.
    - Use a **box-shadow effect** for better visibility.
    - Display using the same tabular structure **with 3 tiles per row**.
    - Apply **padding: 20px, margin: 15px, and border-radius: 10px**.

D. Accept / Decline Buttons (Pending Courses)
- **Accept:** Green background (#4CAF50), white text. Dark green (#265e28) on hover.
- **Decline:** Red background (#D32F2F), white text. Dark red (#821b1b) on hover.

Select Term: Winter 2025 ▼

Enrolled Courses

Course Name: Web Development
Course Code: WD381
Attempt Quiz

Course Name: Data Structures
Course Code: DS371
Attempt Quiz

Course Name: Database Systems
Course Code: DB346
Attempt Quiz

Course Name: Software Testing
Course Code: ST484
Attempt Quiz

Course Name: Software Architectures
Course Code: SA396
Attempt Quiz

Pending Invitations

Pending

Course Name: Data Science
Course Code: DS102
Accept Decline

Pending

Course Name: Machine Learning
Course Code: ML105
Accept Decline

4. Attempt Quiz Page (`attempt_quiz.html`) - 30 Marks

CSS Styling Requirements:

A. Header, Navigation, Footer
- Same styling as **Homepage**.

B. Quiz Banner
- Set banner **width to 100%** and height to **150px**. The banner should have rounded corners.

C. Course & Quiz Details
- Display **course code and quiz topic in large bold text** and **centered**.
- Style details with **light blue background** and padding of **20px**.
- Have left and right margins of **250px**.

D. Quiz Questions
- **Multiple-choice (radio buttons) & checkbox questions** should:
  - Be styled with proper spacing.
  - Use **background color** of **#cacaca (light gray)** for displaying options in **left aligned** manner.

E. Submit & Finish Quiz Buttons
- **Submit Answer:** Light blue background with black text. On hover, dark blue background with white text.
- **Finish Quiz:** Light red background (#D32F2F), white text. On hover, dark red background (#821b1b).

---

5. Leaderboard (`leaderboard.html`) – 20 Marks

CSS Styling Requirements:

A. Header, Navigation, Footer
- Same styling as **Homepage**.

B. Leaderboard Table
- **Table header** spans multiple columns. Green background (#4CAF50) with white text.
- **Rank Row Styling**:
  - **Gold (#FFD700)** for **1st place**.
  - **Silver (#C0C0C0)** for **2nd place (merged cells if tied)**.
  - **Bronze (#CD7F32)** for **3rd place**.

- After Gold, Silver, and Bronze rows, use **alternating row colors** (#f9f9f9 and # e4e2e2) for better readability.
- **Profile pictures** should be **circular(**Explore *border-radius* for this**)**.