

Project Assignment

Student Learning Management System

(LMS)

Client-Side Project

Assigned Date: 16 February 2026

Final Deadline: 26 February 2026

Project Overview

This project requires you to build a complete Learning Management System (LMS) using only HTML, CSS, and JavaScript (Client-Side). The system will allow users to login, manage tasks, view courses, track statistics, and edit their profile using localStorage.

Project Requirements

Pages

Your LMS must have the following pages:

1. **login.html** – Login form for students
2. **dashboard.html** – Overview page with announcements, clock, and statistics
3. **tasks.html** – Task management system (Add, Delete, Complete, Search)
4. **courses.html** – Courses management system (Add, Delete)
5. **profile.html** – Edit profile (username)

1. Login Page

- Input fields: Username, Password
- Validation:
 - All fields required
 - Password must be at least 6 characters
- Store logged-in username in localStorage
- Redirect to dashboard.html after login
- If already logged in, skip login page automatically

2. Dashboard Page

The dashboard must include:

1. Clock
 - Display current time (updated every second)
2. Announcements
 - Show a list of announcements (hard-coded array in JS)
 - “Next” button cycles through announcements
3. Statistics
 - Display total tasks, completed tasks, pending tasks, and total courses

3. Tasks Page

- Users can Add Task with:
 - Title (text)
 - Due Date
 - Priority (High, Medium, Low)

- **Display tasks in a list with each task showing:**
 - Title
 - Due date
 - Priority
 - Status (Done/Not Done)
- **Actions:**
 - Mark task as completed (visual change, e.g., strike-through)
 - Delete task
- **Search functionality:**
 - Search tasks by title
 - Filter dynamically while typing
 - Sort tasks by priority or date
- Tasks are stored in localStorage

4. Courses Page

- Users can **Add Course** with:
 - Course Name
 - Instructor
- Display courses in a list
- Delete courses
- Store courses in localStorage

5. Profile Page

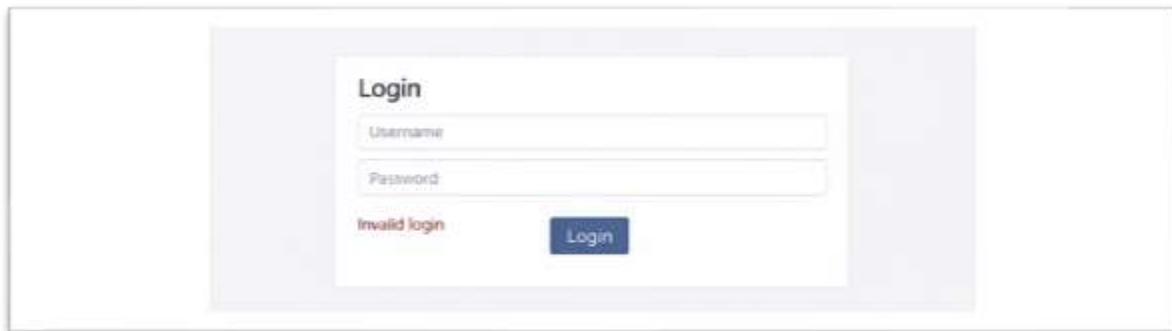
- **Display username**
- **Edit username**
- **Save changes**

Notes:

- The user cannot access any page without logging in. If the user attempts to open any page without being logged in, they must be redirected to the Login page.

- Logout button clears localStorage and returns to login page
- Add confirmation dialog before deleting tasks or courses
- All tasks, courses, and username must be saved in local Storage
- Data should persist across page reloads
- Navigation bar on top of every page with:
 - A. Links to all pages
 - B. Logout button

Sample Screenshots



The screenshot shows a simple login form titled "Login". It contains two input fields: "Username" and "Password". Below the password field is a message "Invalid login". To the right of the password field is a blue "Login" button.

Sample Dashboard Page:



The screenshot displays a dashboard interface with a dark blue header bar containing navigation links: "Dashboard", "Tasks", "Courses", "Profile", and a "Logout" button. The main content area is divided into several sections: a "Clock" section showing "12:45:32 PM", an "Announcements" section with the message "Welcome to LMS" and a "Next" button, and a "Statistics" section providing summary data: "Total Tasks: 3", "Completed: 1", "Pending: 2", and "Courses: 2".

The Tasks page displays a list of three tasks:

- Finish project - High, 2024-04-26: Edit, Delete, Mark Complete
- Buy books - Medium, 2024-04-25: Delete, Mark Complete
- Exercise - Low, 2024-04-30: Delete, Mark Complete

Tasks Page

The Profile page shows a form to update the username:

Update Username

Update

The Courses page has two main sections:

Courses

ReactJS	Add
HTML Course - Instructor: Menna	Delete
CSS Course - Instructor: Menna	Delete
JavaScript Course - Instructor: Menna	Delete

Courses Page

Menna	
HTML Course	Delete
CSS Course	Delete
JavaScript Course	Delete
ReactJS Course	Delete

Courses Page