

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
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Sample Screenshots



Title

2024-04-24

High

Add

Search

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

DashboardTasksCoursesProfileLogout

Profile

Update Username

menna

Update

DashboardTasksCoursesProfileLogout

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