

Problem-Based Learning Assignment:

Student Dashboard - Project Report

1. Overview

The Student Dashboard is a web-based platform that helps students track their academic progress, manage courses, set reminders, and monitor learning activities. It offers an intuitive interface with key features for a better learning experience.

2. Technologies Used

- Frontend: HTML5, CSS3, JavaScript (Vanilla), Chart.js, Font Awesome
- Design: Responsive, Dark/Light Theme, Mobile-First, Modular Structure

3. Key Features

Navigation System

- Responsive Sidebar (Collapsible on Mobile)
- Active Page Highlighting

Dashboard Overview

- Stats Cards: Enrolled Courses, Completed Lessons, Study Hours, Achievement Points

Analytics & Charts

- Weekly Study Hours (Bar Chart)
- Course Progress (Doughnut Chart)

Course & Reminder Management

- Course Cards with Progress Indicators
- Reminders: Add, Edit, Delete, Date Scheduling

4. UI & Styling

- Color Scheme: Dark Mode (#1a1a1a), Accent (#00a8e8), Text (#ffffff)
- Animations: Hover Effects, Smooth Sidebar Toggle, Chart Animations

5. Key Functions

- Theme Toggle: Dark/Light Mode with Persistent Storage
- Chart Rendering: Dynamic Data Loading, Interactive Tooltips
- Reminder Management: CRUD Operations, Priority Sorting

6. Future Enhancements

- User Authentication, Real-time Updates, Calendar Integration, File Management, Notifications

7. Project Structure

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├── index.html

├── assets/

├── pages/

├── scripts.js

└── styles.css

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Summary

This project report summarizes the Student Dashboard's features and technical aspects, ensuring a responsive and user-friendly experience.

Rubrics

| Parameter | Poor (1-3) | Acceptable (4-7) | Proficient (8-10) | Score (10) |
|---|--|--|--|------------|
| Requirement Analysis | Minimal identification of profile sections and elements. Information is vague or incomplete. | Identifies most required sections and elements but lacks some detail or clarity. | Clearly identifies all required sections (e.g., personal info, skills) and specifies appropriate elements. | |
| HTML Structure and Layout Design | Incomplete or poorly structured HTML. Lacks key sections or uses incorrect tags. | Structure is mostly complete but may have minor issues with organization or tags. CSS is basic and lacks responsiveness. | Well-structured HTML with appropriate tags for each section. CSS is used effectively for styling and responsiveness. | |
| JavaScript Interactivity | Minimal or incorrect use of JavaScript. Interactivity is non-functional or incomplete. | JavaScript adds basic interactivity, but functionality may be limited or lack polish. | JavaScript is used effectively for theme toggle and profile photo upload, with working functions and smooth user experience. | |
| Testing and Feedback | No testing or feedback considered; fails to address cross-device compatibility. | Basic testing done, but may lack thoroughness. Limited feedback is incorporated. | Thorough testing on various devices and browsers; feedback is collected and applied to improve the design. | |
| Total | | | | |
| Normalized Score = (Total /40)*10 | | | | |