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# Project Documentation

**Project Title:** Smart Student Dashboard

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## 1. Project Overview

The **Smart Student Dashboard** is a web-based application developed to help students organize their academic activities efficiently in one place. The dashboard includes modules like a to-do list, notes section, attendance tracker, and a Pomodoro study timer. It aims to boost productivity and promote organized learning among students.

This project is built using **HTML**, **CSS**, and **JavaScript** and works entirely in the browser—without requiring any backend server or database.



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## 2. Objective

To develop a user-friendly and responsive dashboard that enables students to:

- Keep track of their tasks and assignments
  - Jot down quick notes or reminders
  - Monitor their attendance
  - Use the Pomodoro technique to stay focused during study sessions
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## 3. Features

Feature	Description
 <b>To-Do List</b>	Add, remove, and track daily academic tasks
 <b>Notes Section</b>	Save quick text notes using localStorage for future reference

Feature	Description
 <b>Attendance Tracker</b>	Calculate attendance percentage from present and total working days
 <b>Pomodoro Timer</b>	25-minute timer with reset function to improve study discipline

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## 4. Tech Stack

Layer	Technology
Frontend	HTML5, CSS3
Logic	Vanilla JavaScript
Data Storage	Browser LocalStorage

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## 5. Project Structure

```
Smart-Student-Dashboard/  
├── index.html          # Main HTML file  
├── style.css           # Stylesheet for UI  
├── script.js           # JavaScript logic for all features  
├── README.md           # Brief project overview  
└── documentation.pdf   # (This document)
```

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## 6. How to Run

### Requirements:

- Any modern browser (Chrome, Firefox, Edge, Safari)

### Steps:

1. Download and extract the ZIP file.
  2. Open the folder.
  3. Double-click `index.html` to run the dashboard in your browser.
  4. No additional installation is needed.
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## 7. 📷 Screenshots (Optional for Report Submission)

*(You can add actual screenshots here if submitting via PDF)*

- ✅ Task List UI
  - 📝 Notes entry screen
  - 📊 Attendance tracker form and result
  - ⌚ Pomodoro timer display
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## 8. 🔒 Privacy & Data

- All user inputs (notes, tasks) are stored only in the browser.
  - No external server or data is involved.
  - 100% safe for personal usage.
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## 9. 📝 Future Improvements

- Add user authentication (login/logout)
  - Cloud sync for notes and tasks
  - Email notifications/reminders
  - Gamified rewards for completing tasks
  - Mobile app version using React Native or Flutter
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## 10. ✅ Conclusion

The **Smart Student Dashboard** demonstrates how a combination of simple technologies can be used to build a productivity tool that benefits students. It reflects essential front-end development skills, user experience design, and practical application of JavaScript logic.

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## 11. 🗣️ Declaration

I, **Aravind Kumar**, declare that this project is my original work and developed specifically for the **Labmentix Internship Program**.

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