

CAPSTONE PROJECT

TASK MANAGER WITH PROGRESS TRACKER

Presented By:-

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OUTLINE

- ❑ **Problem Statement** (Should not include solution)
- ❑ **System Development Approach** (Technology Used)
- ❑ **Algorithm & Deployment (Step by Step Procedure)**
- ❑ **Result**
- ❑ **Conclusion**
- ❑ **Future Scope(Optional)**
- ❑ **References**

PROBLEM STATEMENT

- ❑ Many individuals struggle with managing daily tasks and tracking their progress effectively.
- ❑ Lack of organization often leads to missed deadlines and decreased productivity.
- ❑ Traditional methods like paper lists or basic apps may not provide sufficient tracking or motivation.
- ❑ Users need a tool that simplifies **task management** while offering visual feedback on progress.
- ❑ An efficient system is required to **add, edit, complete, and delete** tasks seamlessly.
- ❑ Such a solution should enhance **time management** and support **personal productivity goals**.

SYSTEM APPROACH

❑ Frontend Technologies:

- **HTML5** – Provides the structural foundation of the web application.
- **CSS3** – Enables modern styling, responsive layouts, and smooth transitions.
- **JavaScript** – Powers dynamic interactions (e.g., task management, filtering, animations).

❑ Design Approach:

- Clean, intuitive, and user-friendly interface.
- Fully **mobile-responsive** design for accessibility across all devices.
- **Modular architecture** (HTML, CSS, JS separated) for better scalability and maintainability.
- **Smooth animations** for improved user engagement and experience.

❑ Task Management:

- Full control over tasks: (**Add**, **Edit**, **Complete**, **Delete**, and **Cancel** tasks).
- **Task Filtering Options:**
 - **By Status:** All, Completed, Pending, Cancelled.
 - **By Category:** Personal, Health, Work, Study.
 - **By Priority:** High, Medium, Low.

❑ Visual overview of task progress:

- Task counts: Completed, Pending, Cancelled.
- Completion percentage calculation.
- Daily streak tracker to boost consistency.

❑ Data Visualization:

- Pie Chart: Breakdown by task status.
- Bar Chart: Distribution by task categories.

❑ Weekly Performance Overview:

- Graph showing tasks Created vs. Completed.
- AI-driven suggestions to optimize time usage and workflow.

❑ Time Management Analytics:

- **Average time** to complete tasks.
- Identifies the **most productive day**.
- Measures **completion efficiency**.

ALGORITHM & DEPLOYMENT

❑ Frontend Design

- Layout with **HTML & Tailwind CSS** using **cards and grid system**.
- Clean, responsive, and mobile-friendly UI.
- Modular separation of concerns (HTML, CSS, JS).

❑ Interactive Features

- Add, Edit, Delete, Complete, and Cancel tasks.
- Filter tasks by **status**, **priority**, and **category**.
- **Progress page**: Pie chart and bar chart for task overview.
- **Analytics page**: Weekly task graph & insights.

❑ Testing

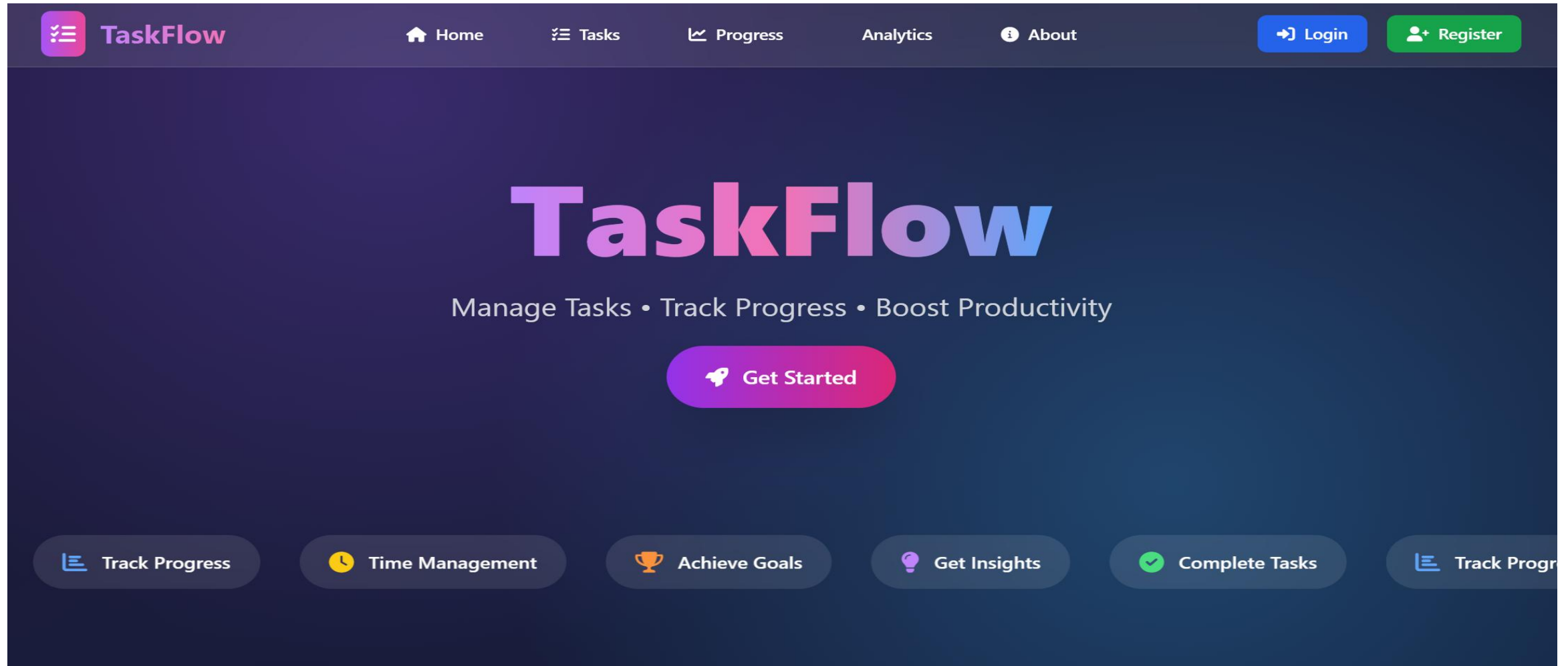
- Ensure **cross-browser compatibility** (Chrome, Firefox, Edge, Safari).
- Fully **responsive layout** for desktop, tablet, and mobile devices.

❑ Deployment


- Deploy on **GitHub Pages**, **Netlify**, or **Vercel**.
- Live, shareable link for public access and feedback.

RESULT

■ Home Page



Add Task

 TaskFlow

[Home](#) [Tasks](#) [Progress](#) [Analytics](#) [About](#) [Login](#) [Register](#)

Daily Tasks

+ Add New Task

Task Title

GYM

Description

Biceps and Leg

Priority

High

Category

Health

Add Task

× Cancel


All Tasks

Pending

Completed

High Priority

Tasks Details & Filter

 TaskFlow

[Home](#) [Tasks](#) [Progress](#) [Analytics](#) [About](#) [Login](#) [Register](#)


Daily Tasks

[+ Add New Task](#)



[All Tasks](#) [Pending](#) [Completed](#) [High Priority](#)


☐ **Machine Learning** High

project completion

 Study


Created: 26/09/2025 00:46



 Pending


☐ **Java Programming** Medium

Learning Springboot and some backend part

 Study


Created: 26/09/2025 00:51



 Pending


☐ **friends** Low

go on a date with friends

 Work

Created: 26/09/2025 00:49 • Updated: 26/09/2025 00:51

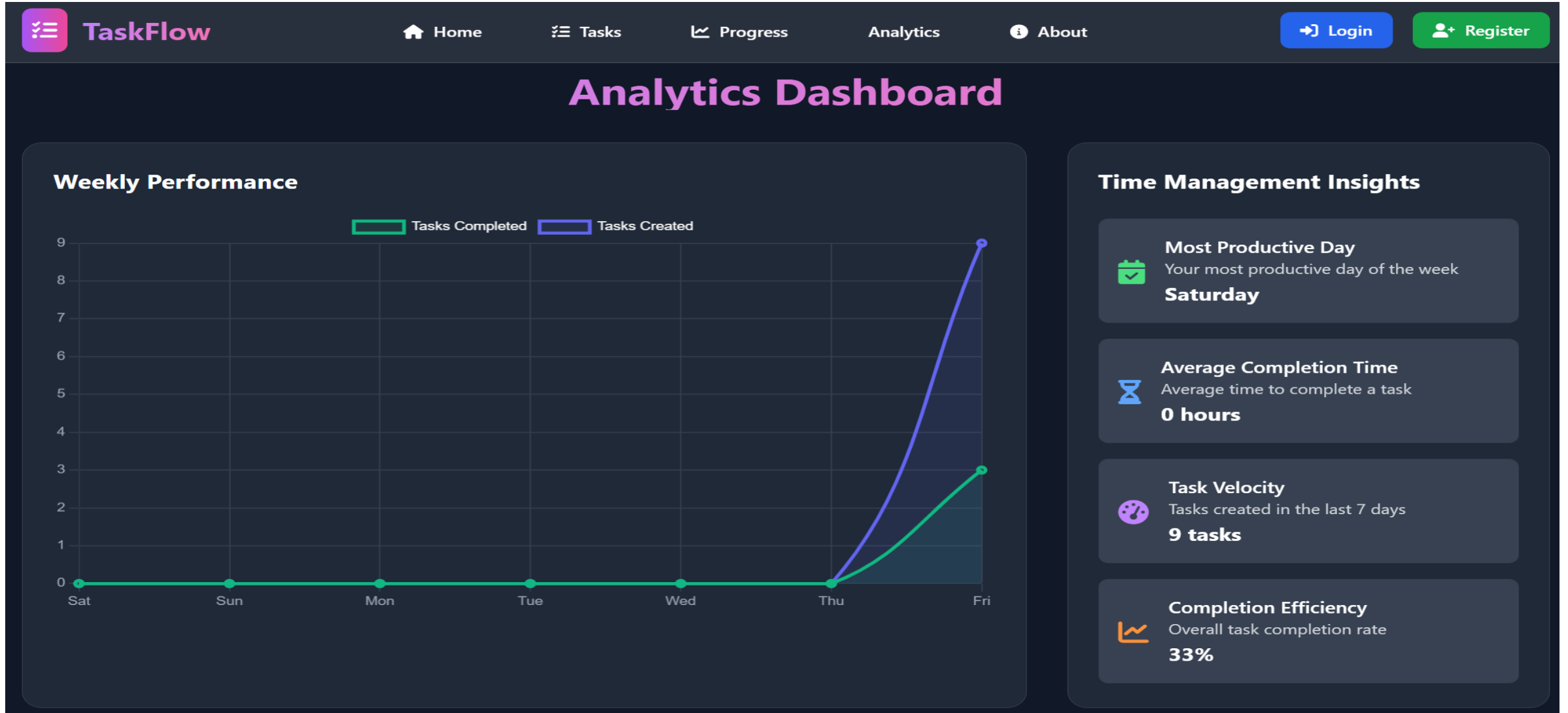
 

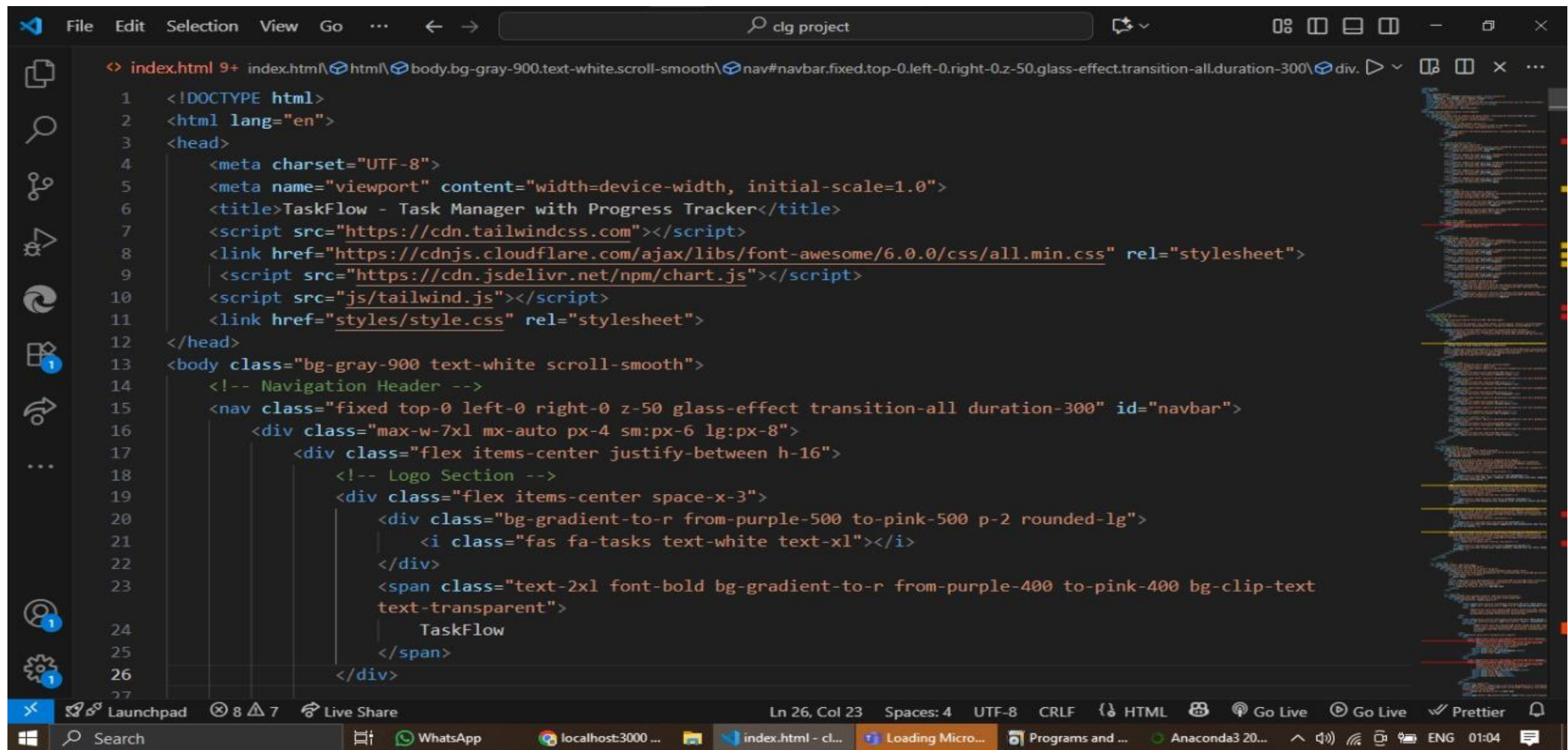
 Pending

Progress Tracker

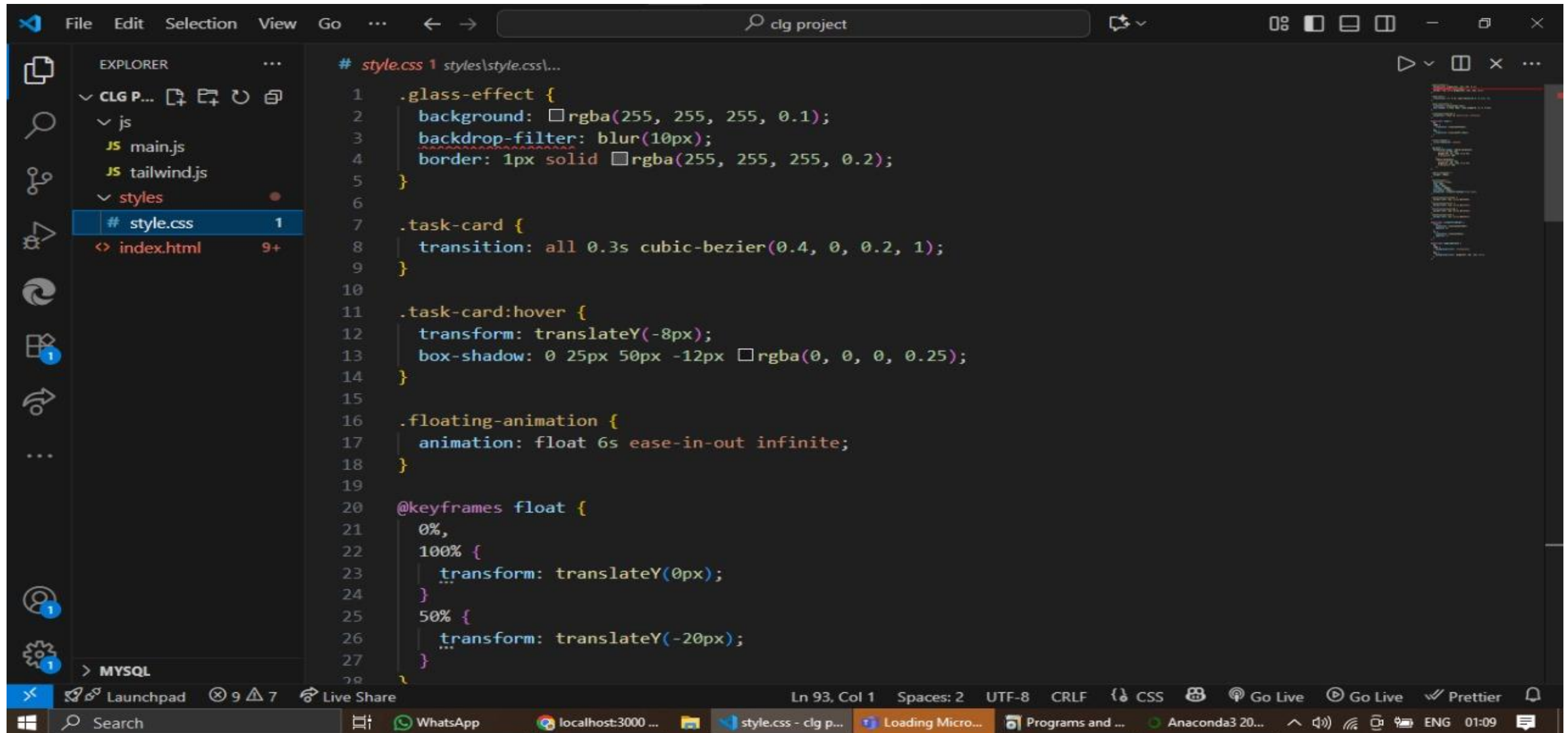


Analytical Dashboard



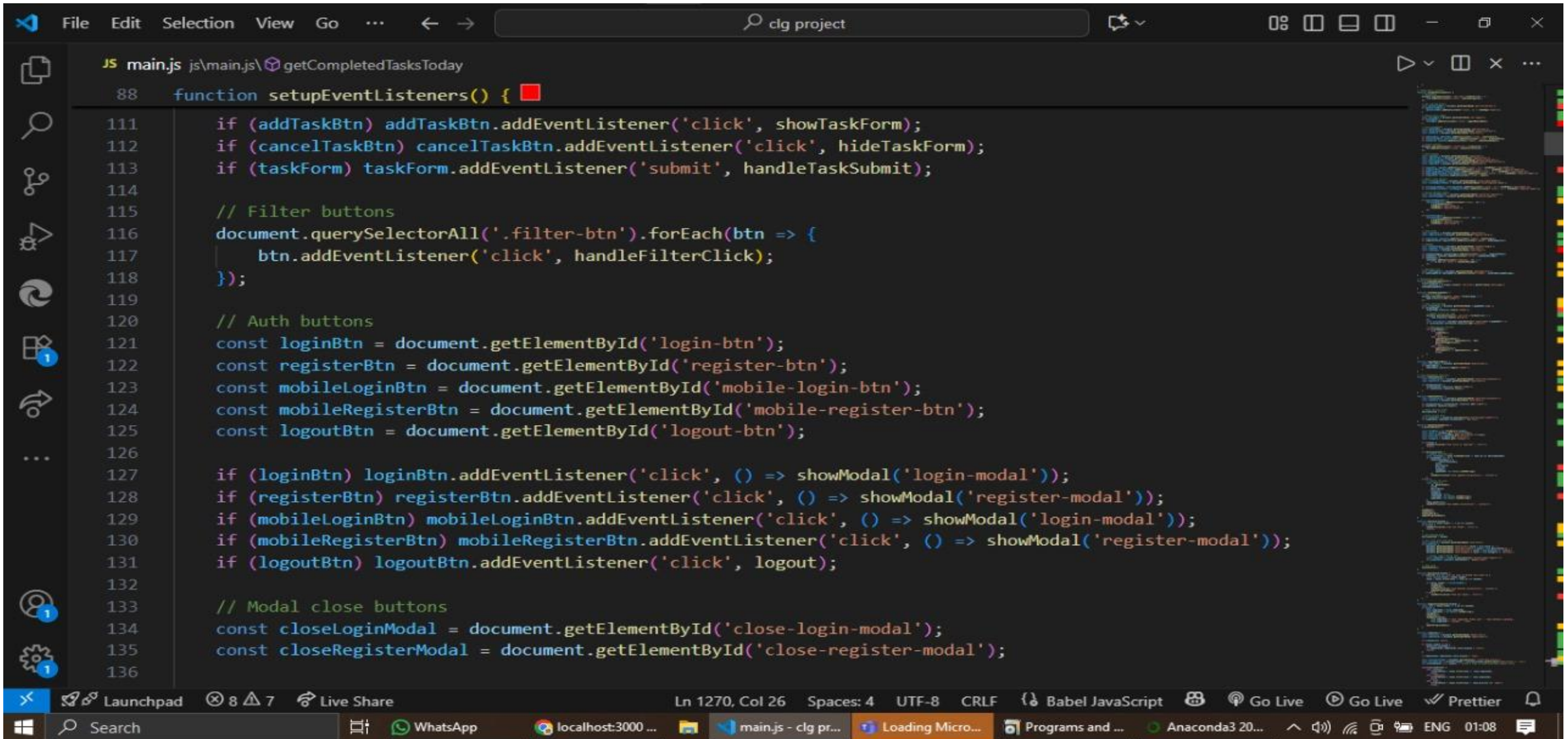


CSS File



```
# style.css 1 styles\style.css\...
1  .glass-effect {
2      background: rgba(255, 255, 255, 0.1);
3      backdrop-filter: blur(10px);
4      border: 1px solid rgba(255, 255, 255, 0.2);
5  }
6
7  .task-card {
8      transition: all 0.3s cubic-bezier(0.4, 0, 0.2, 1);
9  }
10
11 .task-card:hover {
12     transform: translateY(-8px);
13     box-shadow: 0 25px 50px -12px rgba(0, 0, 0, 0.25);
14 }
15
16 .floating-animation {
17     animation: float 6s ease-in-out infinite;
18 }
19
20 @keyframes float {
21     0%,
22     100% {
23         transform: translateY(0px);
24     }
25     50% {
26         transform: translateY(-20px);
27     }
28 }
```


JavaScript File



```
88 function setupEventListeners() {  
111     if (addTaskBtn) addTaskBtn.addEventListener('click', showTaskForm);  
112     if (cancelTaskBtn) cancelTaskBtn.addEventListener('click', hideTaskForm);  
113     if (taskForm) taskForm.addEventListener('submit', handleTaskSubmit);  
114  
115     // Filter buttons  
116     document.querySelectorAll('.filter-btn').forEach(btn => {  
117         btn.addEventListener('click', handleFilterClick);  
118     });  
119  
120     // Auth buttons  
121     const loginBtn = document.getElementById('login-btn');  
122     const registerBtn = document.getElementById('register-btn');  
123     const mobileLoginBtn = document.getElementById('mobile-login-btn');  
124     const mobileRegisterBtn = document.getElementById('mobile-register-btn');  
125     const logoutBtn = document.getElementById('logout-btn');  
126  
127     if (loginBtn) loginBtn.addEventListener('click', () => showModal('login-modal'));  
128     if (registerBtn) registerBtn.addEventListener('click', () => showModal('register-modal'));  
129     if (mobileLoginBtn) mobileLoginBtn.addEventListener('click', () => showModal('login-modal'));  
130     if (mobileRegisterBtn) mobileRegisterBtn.addEventListener('click', () => showModal('register-modal'));  
131     if (logoutBtn) logoutBtn.addEventListener('click', logout);  
132  
133     // Modal close buttons  
134     const closeLoginModal = document.getElementById('close-login-modal');  
135     const closeRegisterModal = document.getElementById('close-register-modal');  
136 }
```

GITHUB AND DEPLOYMNET LINK

- ❖ Coding Files Link :- <https://github.com/faizankhan005/TaskFlow>
- ❖ Deployment Link :- <https://faizankhan005.github.io/TaskFlow/>
- ❖ Credential badge :- [Web Development Fundamentals – Credly](#)
- ❖ LinkedIn Profile Link :- <https://www.linkedin.com/in/faizan05>

CONCLUSION

- ❖ The TaskFlow application successfully simplifies task management while enhancing user productivity through an intuitive, feature-rich interface.
- ❖ By integrating categorized task handling, priority settings, visual progress tracking, and analytics-driven insights, the app provides users with a clear overview of their performance and habits.
- ❖ With responsive design using Tailwind CSS, real-time interactivity via JavaScript, and accessible deployment, TaskFlow stands as an efficient, user-friendly solution for individuals aiming to improve time management and stay organized.

FUTURE SCOPE(OPTIONAL)

❖ Backend & Future Enhancements (TaskFlow)

- ❖ **Node.js + Express.js:** Backend for user authentication, task management, and real-time updates.
- ❖ **Secure Auth:** JWT-based login with password hashing.
- ❖ **Admin Dashboard:** Monitor users, manage task categories and settings.
- ❖ **AI Suggestions:** Smart task recommendations and scheduling insights.
- ❖ **Database Integration:** MongoDB/MySQL for storing tasks and analytics.
- ❖ **Notifications:** Email/in-app alerts for deadlines and daily reminders.

REFERENCES

- [NanthiniMoha/TNSDC-FWD-DIGITAL_PORTFOLIO](#)
- [Get started with Bootstrap · Bootstrap v5.3](#)
- [https://cdnjs.cloudflare.com](#)

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THANK YOU