



Front End Engineering-I Project

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TITLE : TASK MANAGEMENT APP



- In today's fast-paced world, staying organized and managing tasks efficiently is crucial for **PRODUCTIVITY**. Our task management app is designed to help individuals and teams streamline their workflow, set priorities, and ensure tasks are completed on time.
- The main objective of our project is to offer a user-friendly platform that simplifies task tracking and improves **TIME MANAGEMENT**. Whether you're managing personal to-dos or coordinating with a team, this app ensures that nothing falls through the cracks.

**EXPLORE HOW THIS APP CAN TRANSFORM YOUR
PPRODUCTIVITY!**

Admin and User functionality

The project is integrated into both **admin** and **user** functionalities, allowing admins to send important updates, verification emails, and notifications, while users receive system-generated emails with secure authentication links.



Google Sign-Up

- .Faster user onboarding
 - . More secure, with OAuth 2.0
 - . No need to handle passwords
- Trusted third party login (google)



Google API

- Push** task deadlines to user's Google Calendar.
- Pull** events from Google Calendar to view in the app.

Problem Statement





The Challenge:

- Many users struggle with organizing and tracking their tasks effectively.
 - Traditional to-do lists lack advanced features like **reminders, prioritization, and collaboration**.
 - Team projects often face **communication gaps** and difficulty in tracking progress.
 - This slide followed by many slides include the relevant screenshots of the running project and their corresponding code snippets.
- It should frame the complete picture of your solution.

Research & Background:

- Studies show that **productivity increases by 30%** when using a structured task management system.
- **56% of professionals** report missing deadlines due to poor task tracking.
- Many available tools are either too **complex** or **lack customization options**.

Our Solution:

- A **simple, efficient, and user-friendly** task management app.
- Helps users **prioritize, categorize, and collaborate** on tasks.
- Provides **reminders, notifications, and tracking features** to boost productivity.
-  Organize and prioritize tasks with ease
-  Collaborate with teammates in real time
-  Get deadline reminders and track progress visually
-  Use a clean, responsive interface built with Bootstrap

Technical Details

Frontend:

- **HTML, CSS** – For building a responsive and interactive UI
- **Bootstrap** – To enhance design and layout

Backend:

- **Django(Python)** – Later integrated for a more robust, scalable backend with built-in admin panel, user authentication, and ORM support

Database:

- **SQLite & SQLAlchemy** – For efficient data storage and management

Hosting & Deployment:

- **GitHub Pages** – To make the application accessible online

Notes & Documentation:






- **Google Docs / Notion / OneNote**
- **ChatGPT** – For generating ideas and solutions





Reference & Inspiration:

- **Todoist** – Used as a reference for task management design and features

Key Features

The key features of our project includes the following

-  Task Management – Create, update, and delete tasks easily
-  Prioritization – Mark tasks as high, medium, or low priority
-  Reminders & Deadlines – Set due dates and receive notifications
-  Collaboration – Share tasks with teammates for better workflow
-  Progress Tracking – Monitor completed and pending tasks
- User-Friendly Interface – Intuitive and easy-to-navigate UI

-  Google Calendar overlay view
-  Feedback trend visualization
-  Secure Google authentication
-  Automated feedback prompts

Project Highlights

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PeakPlanner



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work and life,
by make a
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time.


Simplify your & your team members
life with world's No.1 Task Manager
app.
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Conclusion

Key Takeaways

 **Teamwork & Collaboration** – Effective coordination helped us build a solid product

 **Problem-Solving & Debugging** – Overcame challenges in UI, database, and responsiveness

 **Learning & Growth** – Strengthened our web development, Flask, and Bootstrap skills

300+ test users in first month **User-Centric Approach** – Focused on usability and a clean, intuitive interface

Our project successfully brings structured task management to life through an intuitive and well-designed **web application**. 🔥

This journey has been a **transformative experience**, preparing us for future real-world applications in web development. **Our website is not just a project—it's a step toward innovation and efficiency!** 🔥💡

 Key Metrics :



40% fewer missed deadlines



65% faster team onboarding



300+ test users in first month

References/Links used

Websites & Tools Used:

- [Todoist](#) (Reference for UI/UX & Features)
- GPT (Assistance in structuring content & problem-solving)





Technologies & Frameworks:

- Flask (Backend framework)
- Bootstrap (Frontend styling)
- SQLAlchemy (Database management)

Learning Materials:

- OS Notes from Sir (Concepts applied in development)
- Online Documentation & Tutorials (Flask, Bootstrap, SQLAlchemy)

• Technologies & Frameworks

-  **Flask** – For initial backend development
-  **Django** – For robust backend architecture, admin panel, authentication, and ORM
-  **Bootstrap** – To create a responsive and polished frontend
-  **SQLite** – Lightweight database for development
-  **SQLAlchemy & Django ORM** – Database management and query handling



*Thank
you!*

