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DATE :23-10-2025

TECHNOLOGY PROJECT NAME : To-do-application

SUBMITTED BY,

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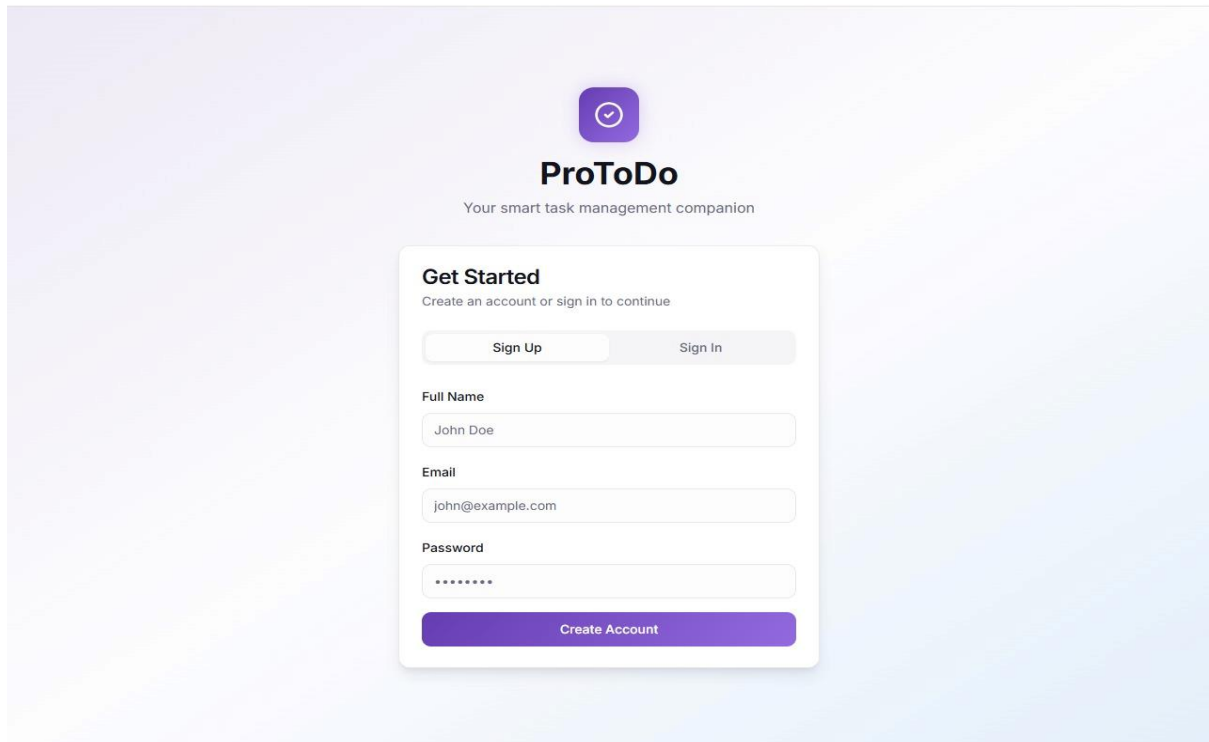
Project Overview:

- Aimly (ToDoListApp) is a web application designed to help users manage daily tasks efficiently.
- Built using React, TypeScript, Tailwind CSS, and Supabase for a responsive and modern experience.
- Allows users to add, edit, delete, and mark tasks as completed under various categories like Personal or Work.
- Features include a search bar, completed tasks section, and a clean, user-friendly interface.
- Ensures data security and accessibility through Supabase backend integration.
- Aims to boost productivity by providing an organized and distraction-free environment.`

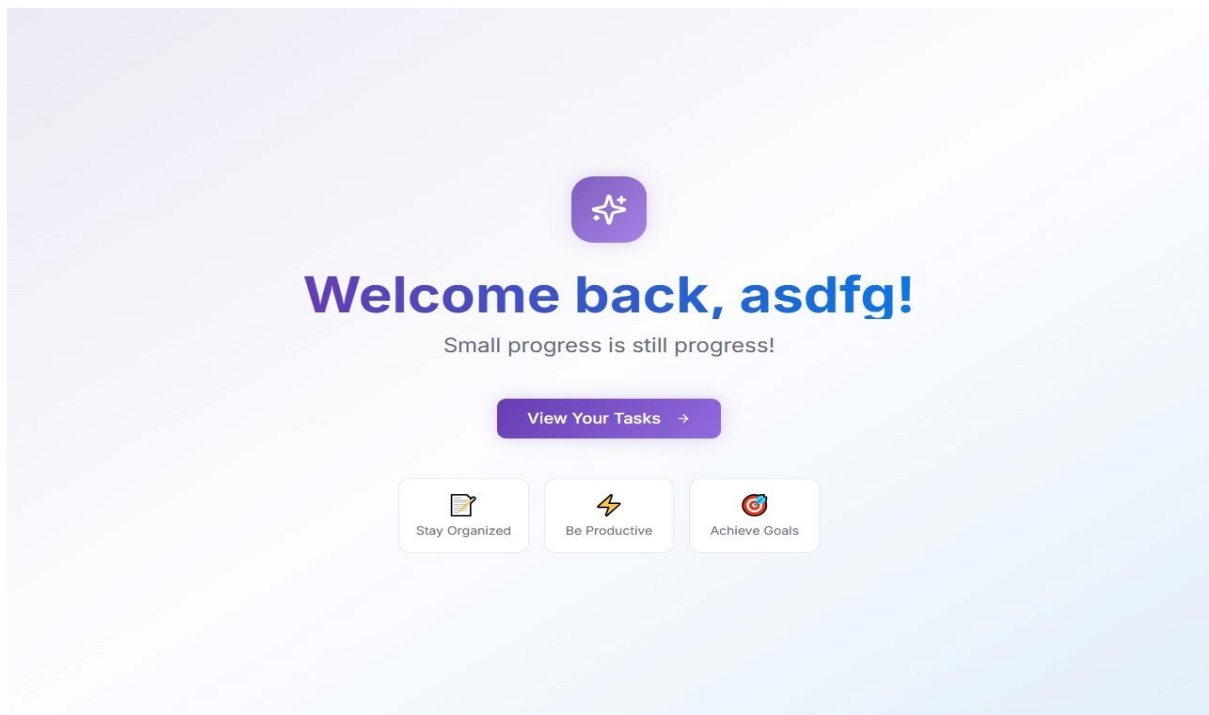
Project Report:

- The project was developed to simplify task management for everyday users.
- Frontend: React + TypeScript for modular, reusable components.
- Styling: Tailwind CSS for responsive, clean design.
- Backend: Supabase handles authentication, storage, and real-time updates.
- Implemented features: task creation, editing, deletion, completion tracking, and category management.
- Challenges: Managing authentication and real-time data; solved using Supabase APIs and efficient React state management.
- Outcome: A fully functional, responsive to-do app deployed and documented on GitHub.

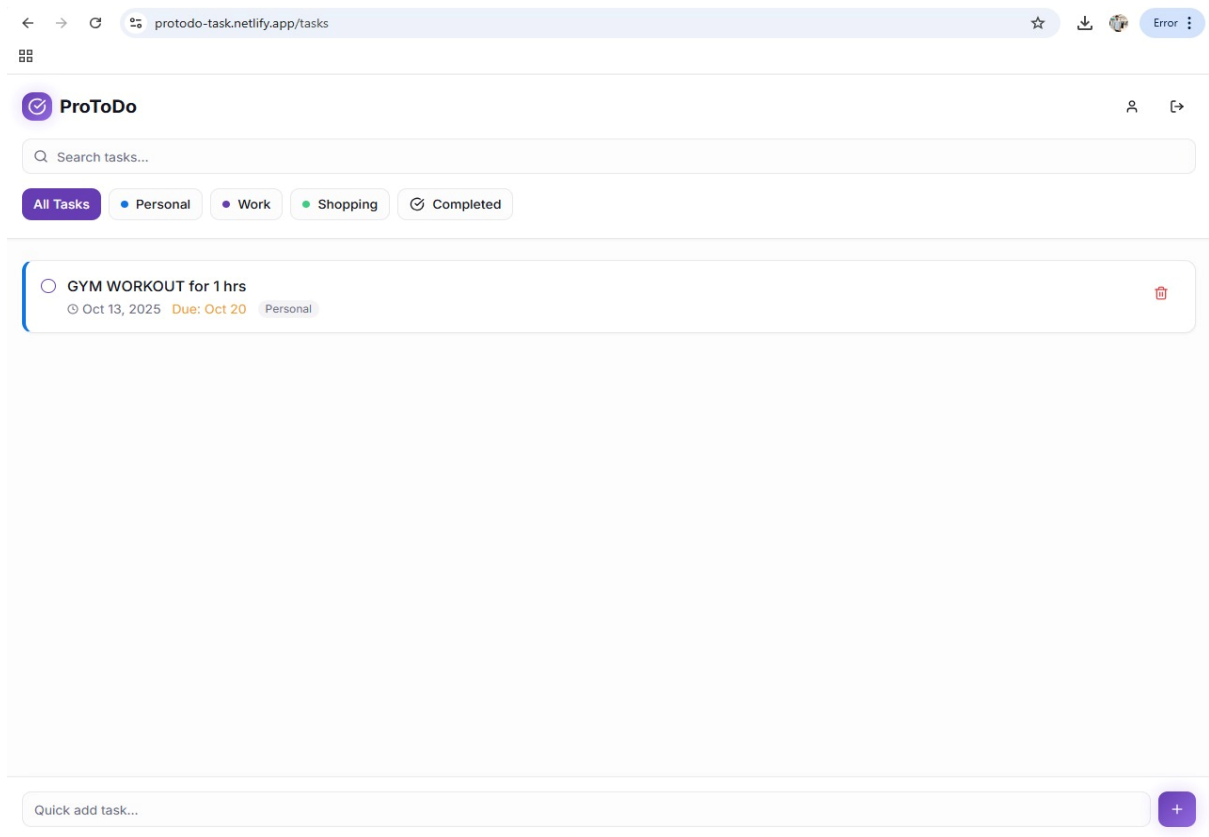
Screenshots:



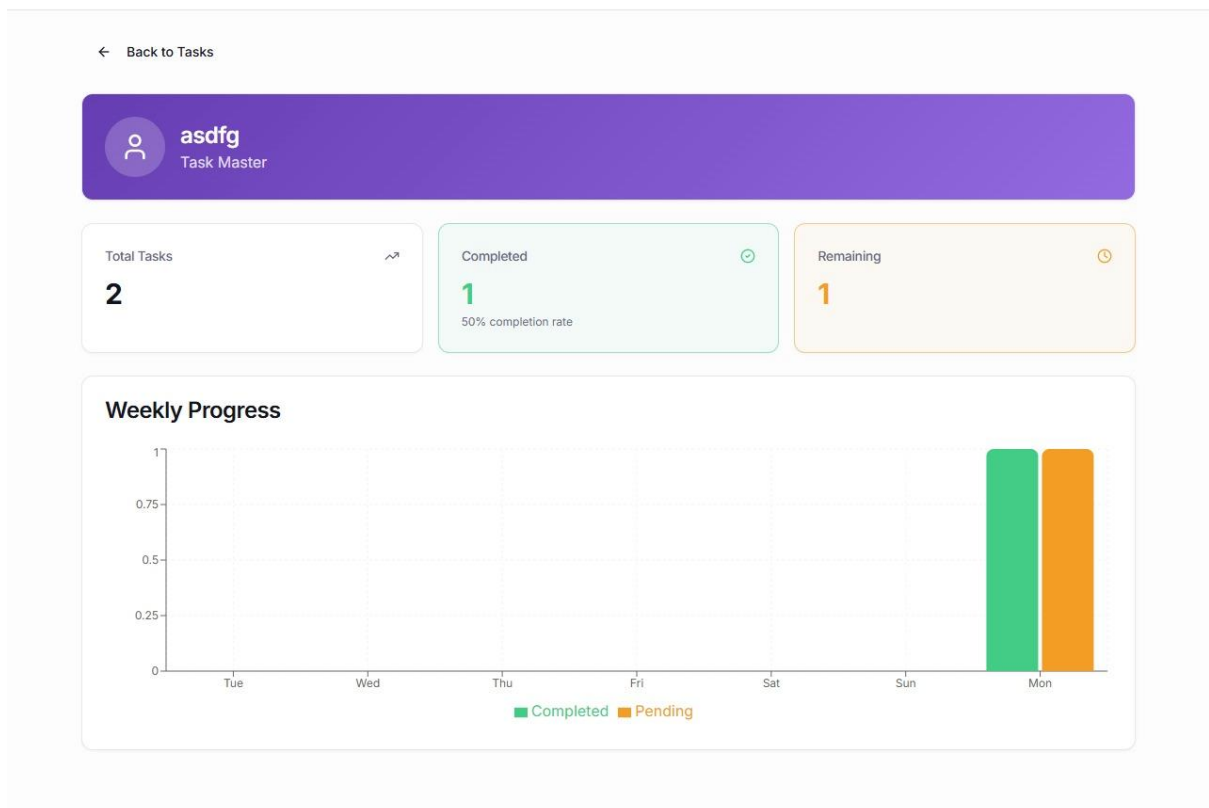
a) login page



b) welcome page



c) task handling page



d) Progress page

Challenges & Solutions:

1. **Challenge:** Faced issues connecting Supabase with the React frontend during setup.

Solution: Verified API keys and reconfigured the Supabase client initialization to ensure a secure and stable connection.

2. **Challenge:** The task list didn't update instantly after adding or deleting tasks.

Solution: Used React state hooks (useState, useEffect) and Supabase real-time subscriptions to automatically refresh the task list.

3. **Challenge:** Difficulty maintaining responsive design across mobile and desktop screens.

Solution: Implemented Tailwind CSS grid and flex utilities to achieve a consistent layout on all screen sizes.

GitHub Link:

<https://github.com/sharukesh-21/TO-DO-LIST-APP>