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Who says Koalas aren't hardworking?

Koala Planner

Team Members:
Daniel Kok
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Proposed Level of Achievement:
Apollo 11

Check it out at
https://koala-planner.vercel.app/

Tech Stacks

01 About

Koala Planner is a koala-themed manager that aims to give users a seamless experience when organising their tasks, by removing the unnecessary details so that they can focus better on their task at hand.

02 Motivation

Over the years of education, we as students have tried out countless ways to **keep track** of the never-ending flow of **homework, assignments, project deadlines** and so on. And we all know how important it is to have a **good management system** in order to achieve that.

As such, we wanted to challenge ourselves by building and customising our very own task management application - taking what we like about commonly-used applications, and improving on what we dislike.
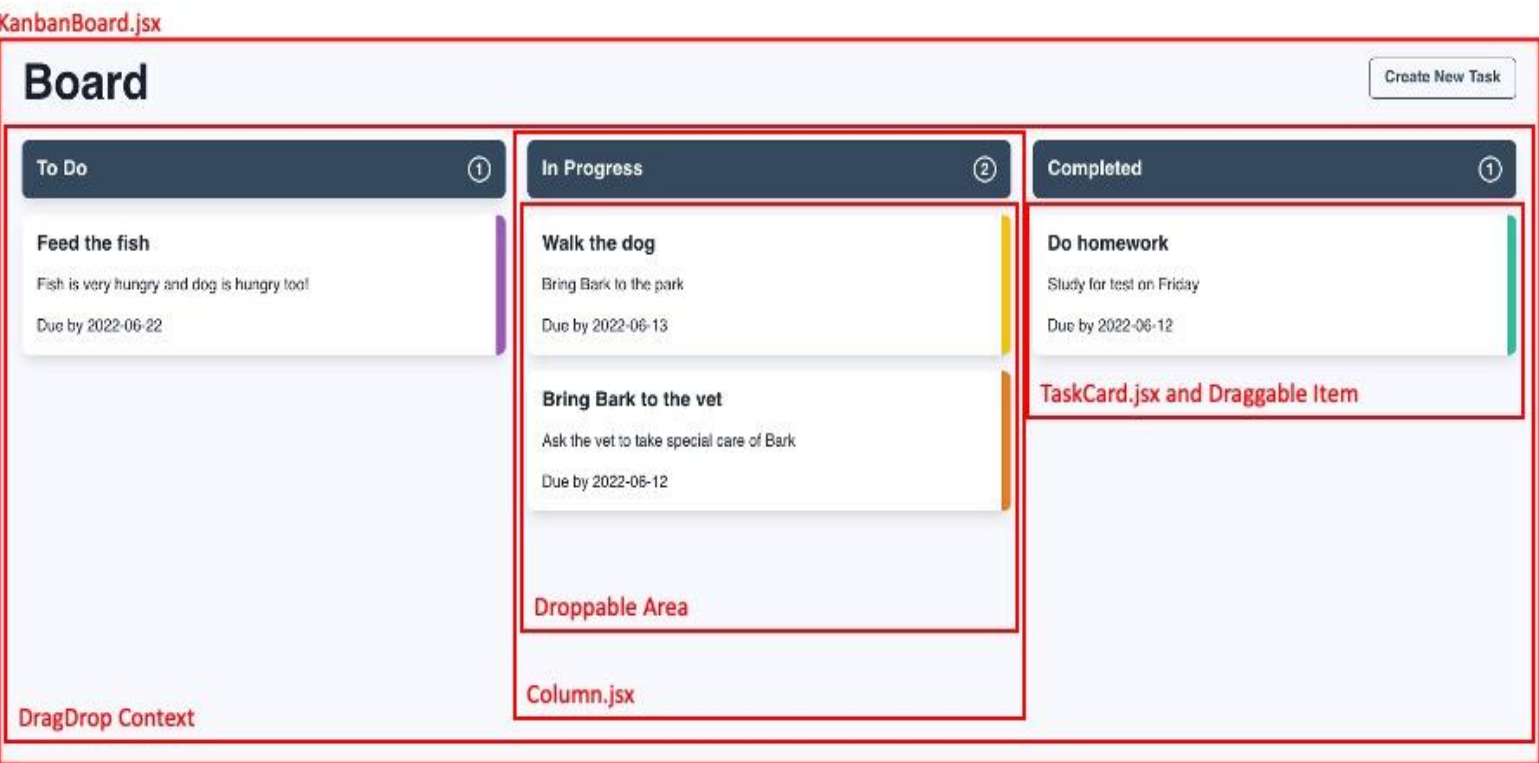
03 How was it made

Koala Planner uses **ReactJS** for the frontend development and **JavaScript** for the main logic of the web app. **NodeJS** is used as the JavaScript runtime environment for our local development environment.

Supabase was chosen as an alternative from using Firebase for its ease of setup and configuration to our needs. The database is used for user authentication and storing relevant account information such as username, avatar image and tasks.

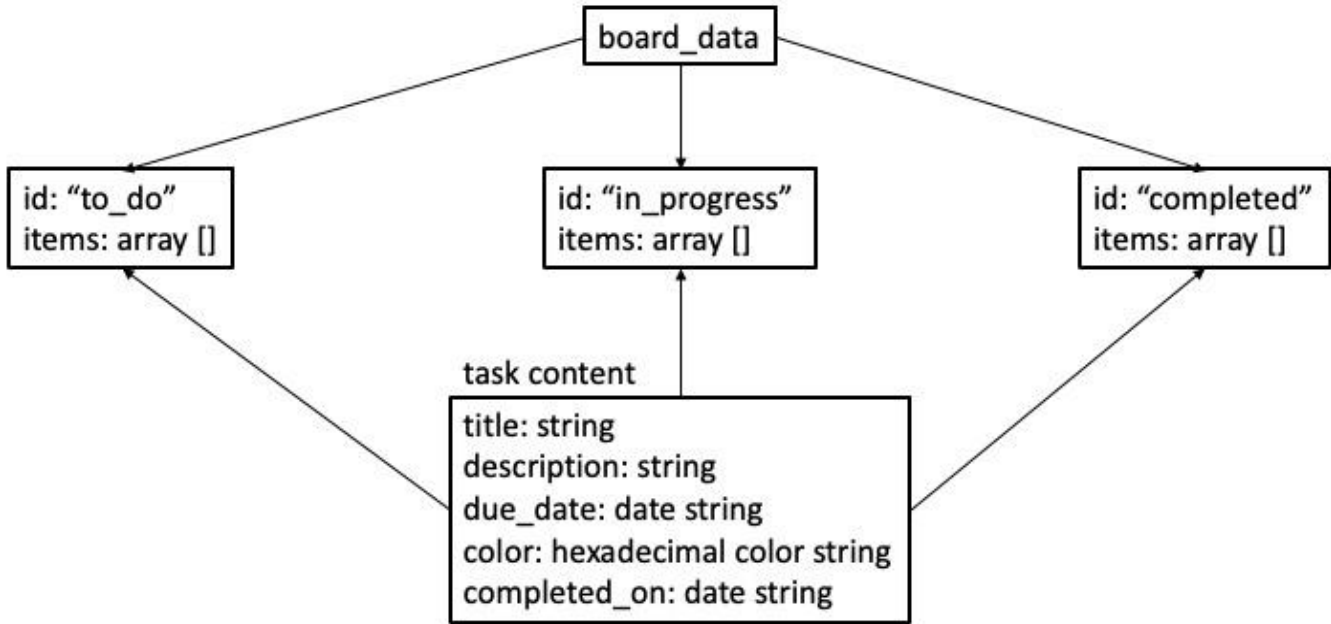The app was also developed and improved through various testing methods.

04 System Design and Implementation

The web app is broken down into the multiple components such as user profile, settings, authentication and kanban board, in order to apply OOP principles to our SE practice.

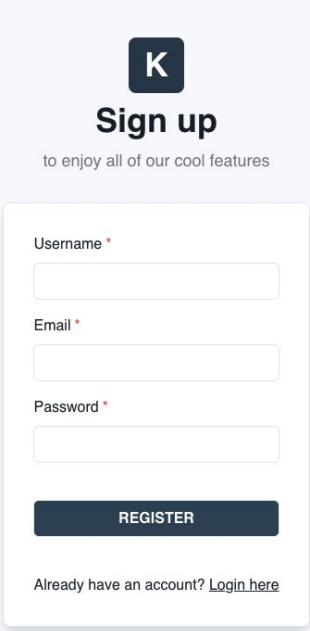**Kanban Board Diagram** to showcase the components and defined areas for the drag-and-drop action.

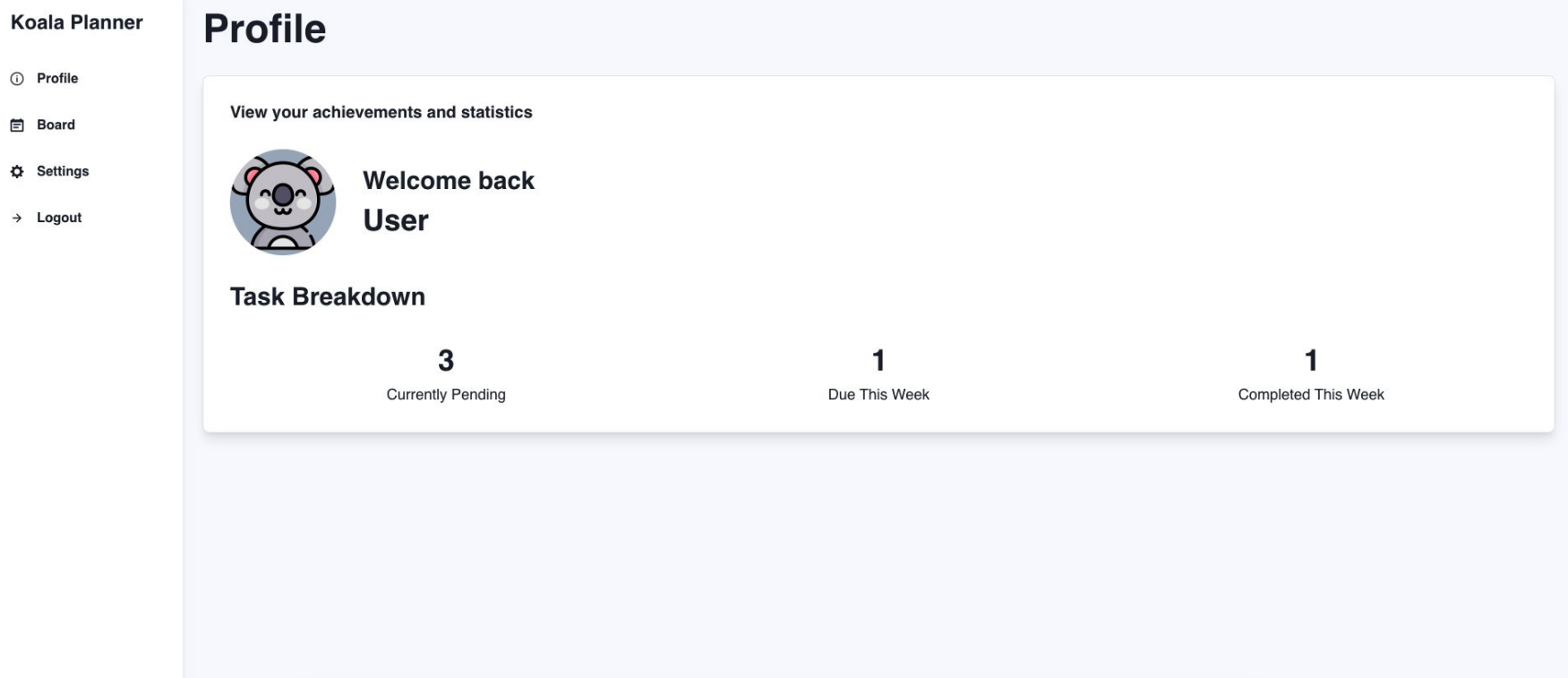**JSON Data Structure Diagram** for storing data relevant to the kanban board.

05 Features
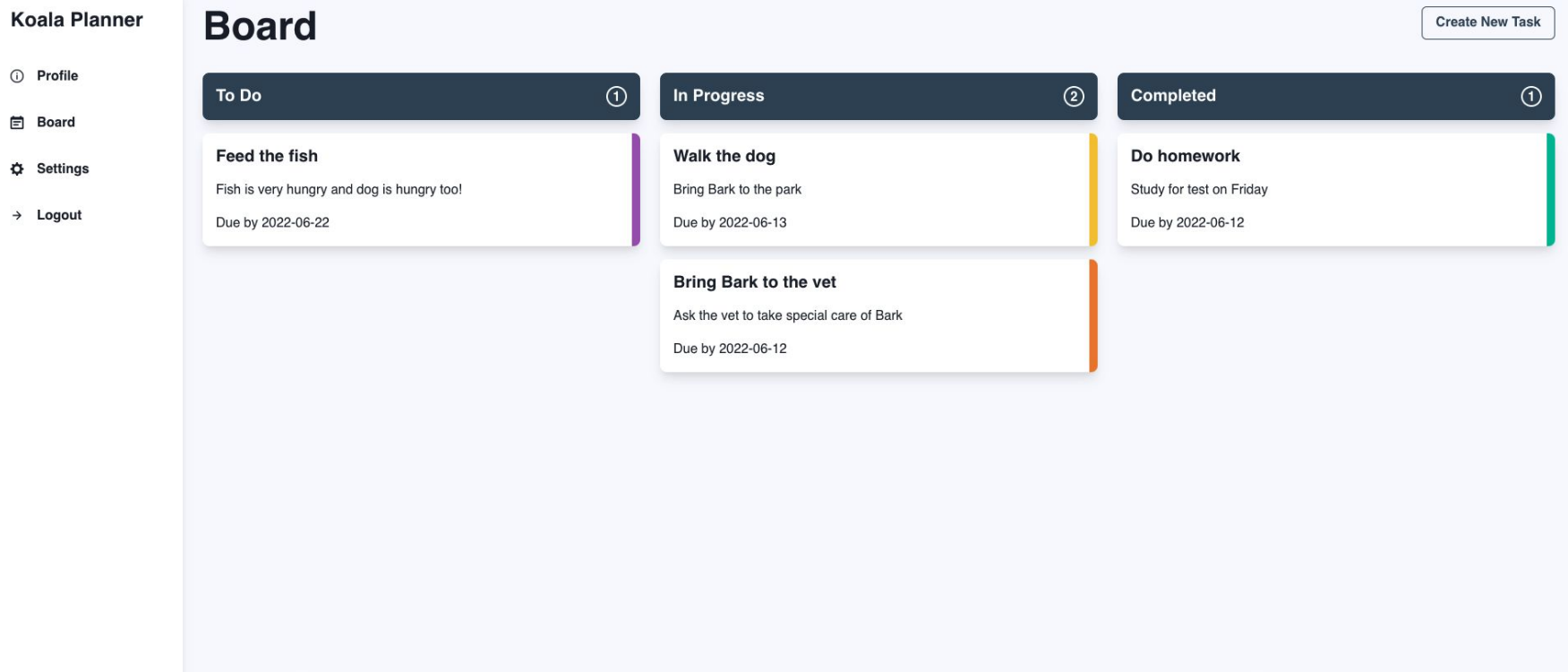
User Registration
Sign up for a new account

User Profile
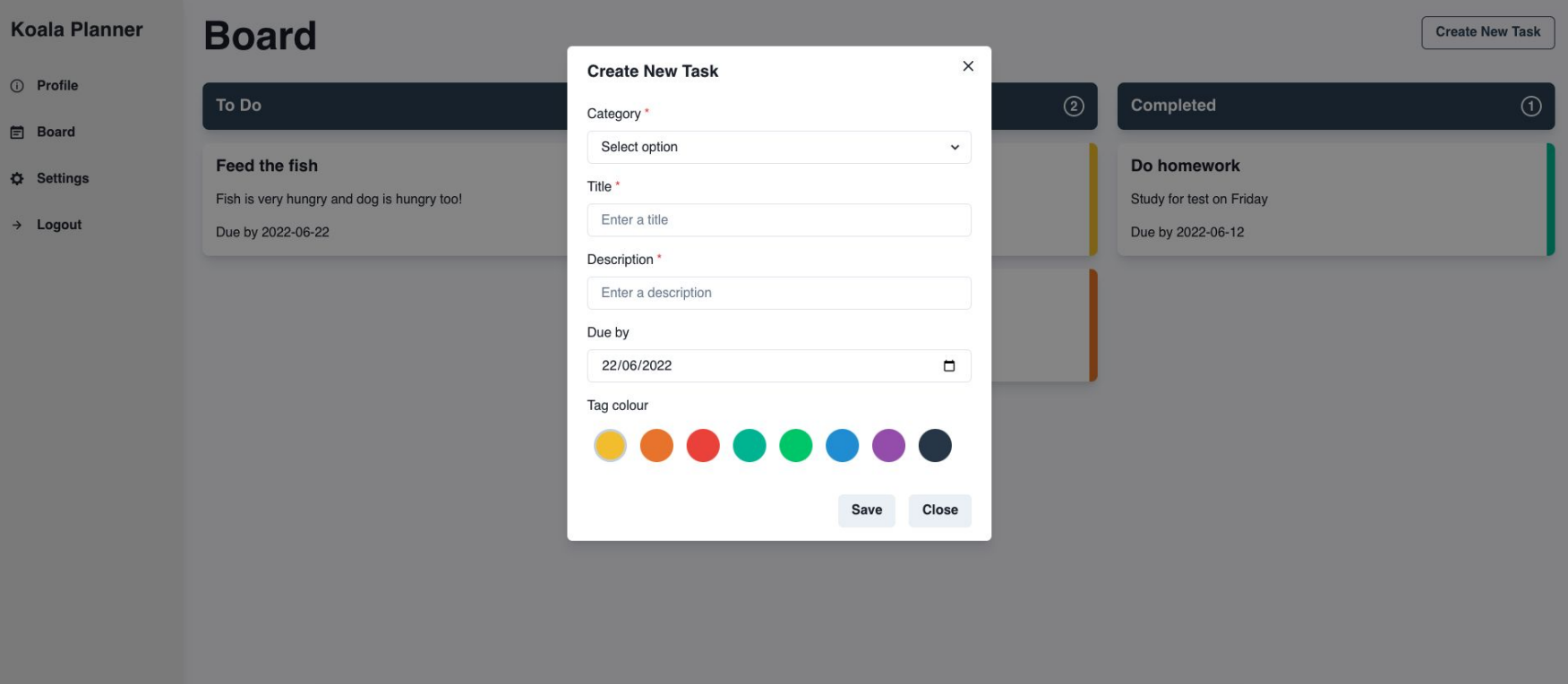View a summary of the kanban board and its tasks

Kanban Board
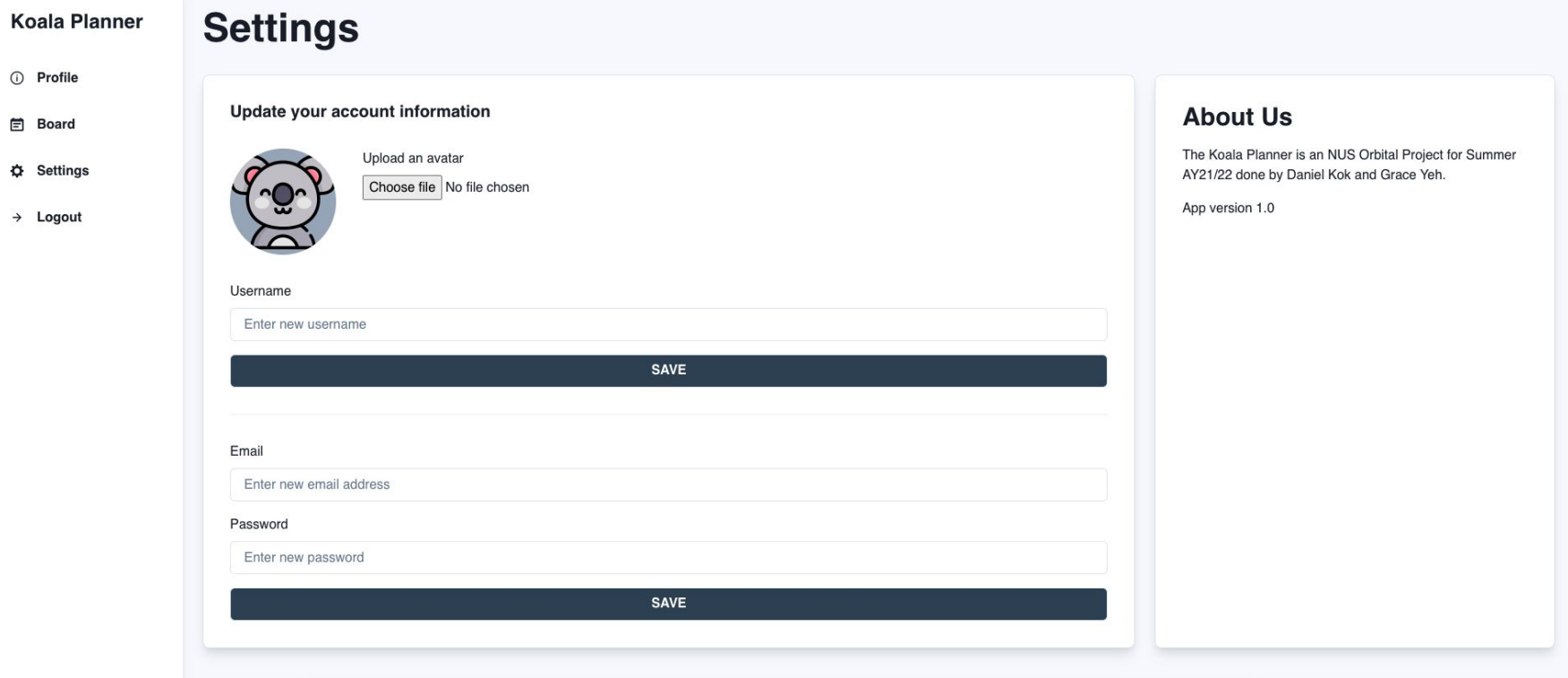Create, edit, delete, drag and drop to manage the tasks

Kanban Board
Input details of the task like a title, description, due date, and tag color

Settings
Change the avatar picture, username and login credentials

06 Extension

Future improvements for the web app include allowing users to create their own columns in the kanban board instead of fixing it to 3 default ones. Additionally, rewards and achievements for users when completing a task are also another avenue to extend the features of the web app.

Check our user guide at
https://is.gd/oOcQnR

View our GitHub repository at
https://github.com/danielk0k/KoalaPlanner