



Overview

[SET](#) is a **task management web-application** targeted at **teams who aim to be productive together**.

This document consists of (a) **my reflections about this assignment**, as well as (b) serves as a short **user manual for SET**.

Reflections

Being overly ambitious

- ⬡ I am aware that the current implementation barely matches the scope of SET that I had embarked on at the beginning. For instance, functions like team creation, team leader management, and onboarding were not implemented.
- ⬡ Through no fault but my own, I left the heavy lifting to the last minute, and could only implement what was necessary. So, bugs still exist.

New skills

- ⬡ **I am glad that I learned and implemented Typescript in this project.** Although initially frustrating to get around, I can appreciate the strictness of type-checking and compile-time errors. Ironically, it sped up development time because it caught subtle bugs!
- ⬡ Learning Ruby on Rails was both frustrating and enriching. I still wouldn't say that I have a firm grasp on the language (my implementation of multiple associations and nested attributes is... *far from ideal*). **However, working on databases while going through CS2102 Database Systems has helped me appreciate the subject so much more.**
- ⬡ Deploying a Rails backend + React frontend on Heroku was a new experience for me, since I was used to the MERN stack in the past.

Meeting my goals

- ⬡ Ultimately, I still met a number of my goals for myself. **I thoroughly enjoyed designing and implementing the frontend of SET**, and I think that the UI is intuitive (UX still needs way more polish, though). **I am also happy that SET scales and performs well on mobile**, something that I've always wanted to improve in.
- ⬡ Plus, the app works! 😊



User Manual

1. Managing User Accounts

- Register for an account on <https://set-cvwo.herokuapp.com/register>. You will be automatically logged in after successful registration.
- After registering, you may log in with your username on <https://set-cvwo.herokuapp.com/login>
- Default usernames for you to try:
 - admin
 - robot

2. Understanding the Dashboard

a. My Todos

This is the default view, which lists all your tasks. Accessible by clicking “Me” on the left navbar.

b. Team Todos

View your team’s tasks. Accessible by clicking “Team” on the left navbar.

c. Archive

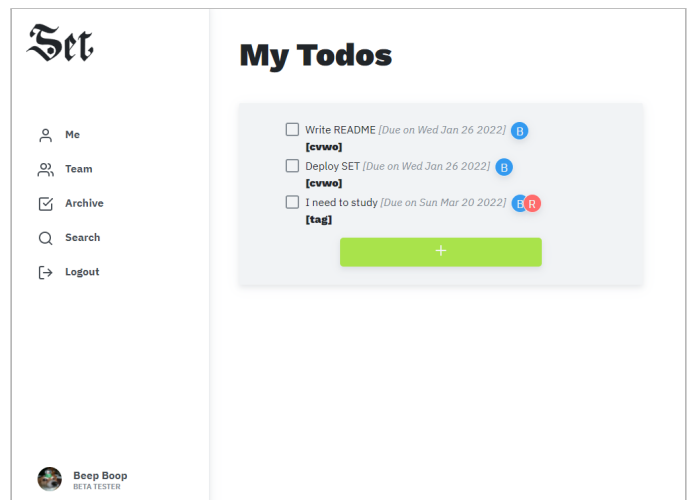
View completed tasks. Accessible by clicking “Archive” on the left navbar.

d. Search

Search todos. Accessible by clicking “Search” on the left navbar.

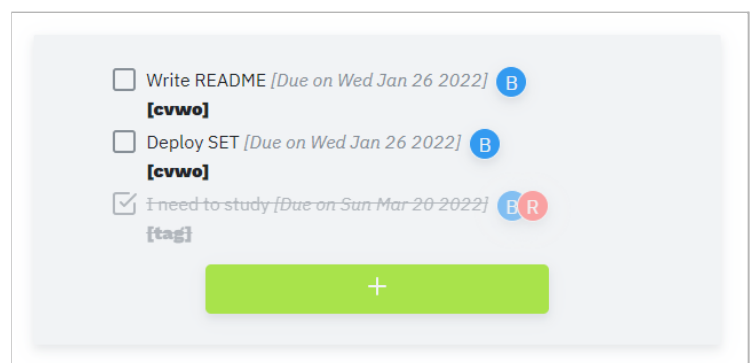
e. Log out

Log out from SET. Accessible by clicking “Logout” on the left navbar.



3. Interacting with Todos

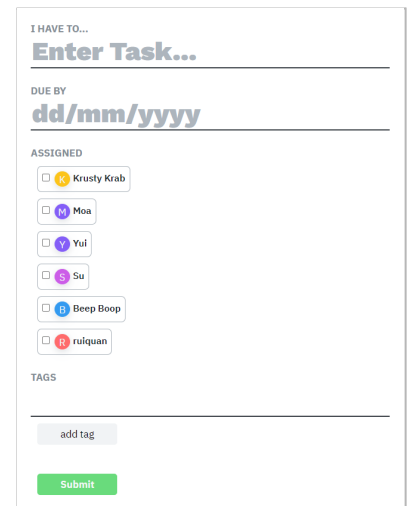
- If a todo has been assigned to you, click on the checkbox to mark as done
- Click on the todo name to **view Todo Details**
- The coloured circles show you the users who have been assigned this todo
- Tags associated with a todo are **[bolded]** **[like]** **[this]**
- Click on the green ‘+’ button to **create new Todo**



4. Creating new Todos

- New todos can be created when clicking on the green '+' button on the 'My Todos' page.
- Fill in the appropriate fields on the Create Todo form.

(fig)
Create Todo form

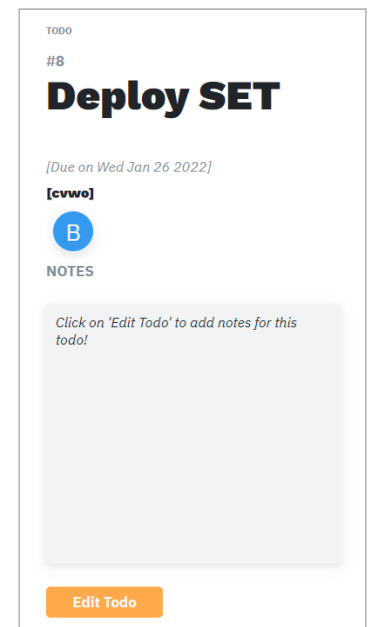


The 'Create Todo' form is a vertical layout. At the top, it says 'I HAVE TO...' followed by a large 'Enter Task...' input field. Below this is a 'DUE BY' section with a date input field showing 'dd/mm/yyyy'. The 'ASSIGNED' section lists several users with checkboxes: Krusty Krab, Moa, Yui, Su, Beep Boop, and ruiquan. The 'TAGS' section has an 'add tag' input field and a green 'Submit' button at the bottom.

5. Editing Todos

- Todos can contain notes, which are a short description associated with the todo.
- Click on the todo name to open the **Todo Details**, and click on the 'Edit Todo' button to make changes.

(fig)
Todo Details

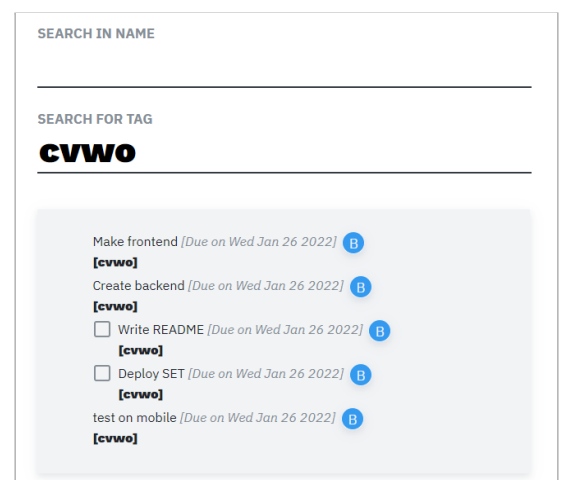


The 'Todo Details' view shows a single todo item. It has a title 'Deploy SET' with a '#8' tag. Below the title is a due date '[Due on Wed Jan 26 2022]' and a tag '[cvwo]'. A blue circular icon with the letter 'B' is next to the tag. Under the 'NOTES' section, there is a light blue box with the text 'Click on 'Edit Todo' to add notes for this todo!'. At the bottom, there is an orange 'Edit Todo' button.

6. Searching through Todos

- Type in your search query to search for todo by name, and/or search for tags.

(fig)
Searching through Todos



The 'Searching through Todos' view shows a search interface. It has two search bars: 'SEARCH IN NAME' and 'SEARCH FOR TAG'. Below the tag search bar, the tag '[cvwo]' is entered. The results section shows a list of todos with checkboxes and due dates: 'Make frontend [Due on Wed Jan 26 2022]', 'Create backend [Due on Wed Jan 26 2022]', 'Write README [Due on Wed Jan 26 2022]', 'Deploy SET [Due on Wed Jan 26 2022]', and 'test on mobile [Due on Wed Jan 26 2022]'. Each item has a blue circular icon with the letter 'B' and the tag '[cvwo]'.

Feel free to report bugs/leave any comments in the [issue tracker](#)! I don't bite 🐾