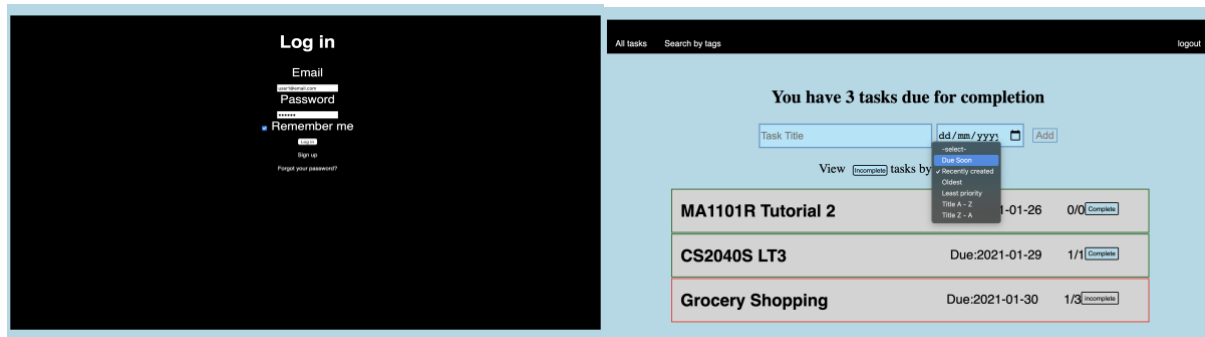


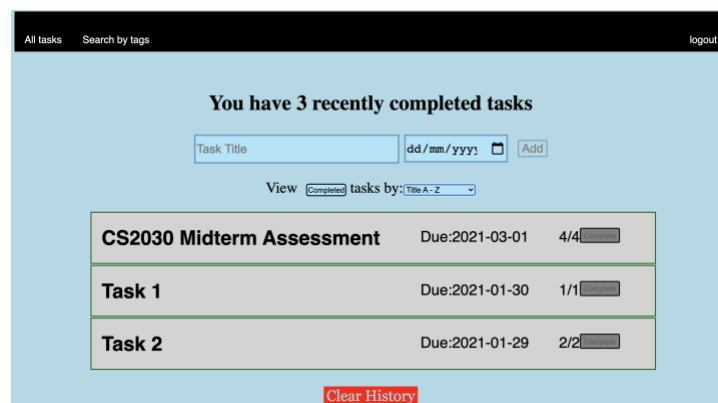
Justin Hoe Jia Jie
A0218065H
CVWO Final submission

User Guide



Basics:

The user has to create and log in to an account to access the app. Upon signing in, the user can create a task by specifying the title and deadline. A task card would be created specifying the task title, deadline and number of incomplete subtasks. The user can either view completed or incomplete tasks with the choice to sort these tasks based on 6 attributes factoring creation date, task title and due date.



Completing task:

A task can only be completed if all subtasks are completed. This can be identified with a green outline around the task card and a light blue button showing complete. Otherwise, the task will be outlined in red with a button that shows incomplete. Once a task is completed, it **cannot** be set to incomplete. The user can choose to revisit completed tasks by toggling the view between “complete” and “incomplete” followed by selecting how they would like the tasks to be sorted. When reviewing completed tasks, a “clear history” button will surface and deletes all completed tasks if clicked by the user.

All tasks
Search by tags
logout

CS2030S Midterms Revision

Additional details about the task to help aid its completion

Deadline: 2021-03-01

CS2030S x Revision x Midterms x

To dos:

x	Chapter 1	✓
x	Chapter 2	✓
x	Chapter 3	✓
x	Chapter 4	□

Delete Task

Specify Tasks Here

Change Task Title
Task Details

yyyy-mm-dd
Make Changes

Breakdown Task: Add subtask Add

ADD TAGS

Pick from existing tags or Create Tag + to track your tasks

CS2030S CS2040S Revision Midterms Health Social Recreational Math

Enhanced features:

Should the user desires to add more details, clicking on the task name will render a new page to enable the user to perform the following actions to said task:

- Add or Modify task title/due date/description
- Delete Task
- Create and add subtasks
- Delete or Mark subtask as complete
- Create new tags
- Tag a task with existing tags
- Untag a tag from the task

All tasks
Search by tags
logout

CS2030S CS2040S Health Math Midterms Recreational Revision Social

You have 3 tasks under Recreational

View by: Least priority

Remove Recreational tag from all tasks

Grocery Shopping	Due:2021-01-30	1/3 Complete
CS2040S LT3	Due:2021-01-29	1/1 Complete
MA1101R Tutorial 2	Due:2021-01-26	0/0 Complete

Searching:

Click on the *search by tags* tab in the header to expose all available tags. Tags are sorted alphabetically for easy referencing. Clicking on a tag would expose all undone tasks associated with said tag once the user selects how he would like the tasks to be sorted. The user has the option to remove this tag from all tasks else if only for one task, the user can click on the task to render the edit page and remove tag association from there.

Reflections

This experience was a good first exposure to app development. While I learnt a lot thorough the process, the app it-self is far from what I would classify as an accomplishment. My initial attempts to utilize ready-made solutions such as bootstrap gems for ruby were unsuccessful as I failed to successfully install the packages to the project. As a result, I imported styled components instead and hoped it would give me additional insights to CSS styling concepts unlike when applying ready-made styles. I believe had I pushed on for a solution to install either material UI or Bootstrap by seeking help rather than to rely on styled components, the app interface would be a lot more user friendly and most importantly the code would be a lot cleaner. Things I would classify as accomplishment are the ability to perform standard data processing techniques with filter, map, dealing with objects, react states, debugging errors using console and stack overflow, having sufficient understanding of rails MVC and associations. These accomplishments were made possible because the limitless resources and solutions provided on the internet. One constraint, however, is the inability to identify best practices. Although good habits and best practices might develop with more experience, I recognise the risk of accumulating bad habits if I were to learn independently from uncontrolled sources on the internet. I hope to be able to pick up best practices in software development and trust that this is attainable through direct supervision of an experienced mentor/peers with an internship and hence my desire to participate in CVWO.

Skills acquired:

- Rails MVC
- React Router, useState and useEffect
- CSS
- Styled components

Tasks failed to accomplish:

- Implement global styles
- Styled checkbox in subtask
- Rails independent front-end sign in/out field
- Better styling and user friendliness
- Alert/warnings popups
- Hosting on server