

A Short Write-up

*** What I feel about my accomplishment in this assignment:**

I felt extremely excited about what I am going to design and build at the beginning and I have a strong feeling of achievement and satisfaction when I picked up different new skills along the journey and when I finished my assignment.

Since I am taking CS2103T (Software Engineering) this semester, I have learned a lot about how to document my development progress better and how to achieve better code quality in this module. Therefore, I also realized that there are several improvements that can be done on my TodoManager. However, I am still satisfied with my accomplishment because I believe it is a necessary journey before I can get somewhere as long as I am always learning and improving.

*** User manual**

1. View Tasks List (homepage)

a) Different view modes

- i. Users are provided with two options to view their task lists. In the first view mode, each task is displayed in an exquisite card. As the second choice, tasks are displayed in a list format if users want to have a quick look at their tasks. Users are able to switch between different view modes simply by clicking an icon button.
- ii. To easily distinguish between completed tasks and those uncompleted, completed tasks are displayed to be semitransparent in the card view mode and a done icon (tick) is used to indicate a task is completed in the list view mode.

b) Filter tasks by different filter keys

- i. A toggle is set for the convenience of choosing either to view all tasks or to view only those uncompleted.
- ii. A sidebar in the home page is set to contain all the tags. Users are able to filter tasks by clicking different tags in the sidebar.

c) Search for tasks

- i. Users are able to have a quick search among their tasks by entering the title or description of their tasks.

2. Create and update

a) Synchronous display

- i. A new task card is updated synchronously while users are editing. Users are able to view the new task before their actual submission of the new task.

b) Update tasks

- i. Users are able to mark a task as completed simply by clicking it in the card view mode or by clicking the done icon button in the list

view mode.

- ii. Users are able to delete a task by clicking the delete button in both card view mode and list view mode.
 - iii. Tasks cannot be modified upon being marked as completed. Users are able to update the title, description, and tag of an uncompleted task. Besides, `last_updated_date` of the task is updated accordingly.
- c) Choose and create tags for new tasks
- i. The sidebar in this page is set to contain all the tags that already exist. Users are able to choose the tag for their new tasks if it is in the sidebar.
 - ii. Users are able to create a new tag for their new tasks. The title of the new tag must be different from those already created.

3. View task info

- a) Users are able to view more information of a task such as status, date created, date last updated, and tag on the task info page.
- b) Users are able to enter the corresponding page to delete, edit, and mark a task as completed in the task info page.