

User Manual

1. Login/Registration page

Registration requires unique email (with respect to model-level validation).

I have yet to implement database level restrictions on uniqueness.

After registration/login, a session is created until the browser is closed.

After registration/login , the user will be redirected to the homepage.

If login is successful, the user should see a Welcome, [user's name] message below the Jumbotron.

2. Header

2.1. TodoApp NavBrand

Clicking this will redirect the user to the homepage.

3.2. Sidebar toggler

Opens and closes the sidebar

When the sidebar closes, all opened lists(Projects, Tags, Labels, Filters) in the sidebar will be closed.

2.3. Home link

Redirects to the homepage

2.4. Search bar

If the current route does not begin with `"/tasks"`, the user will be redirected to `"/tasks"` with the relevant search parameters as long the search bar text field is non-empty.

The tasks will be filtered based on whether the task name contains the search term. Note that search is case-sensitive.

I may make it non-case-sensitive in future.

If the user is currently on a `"/tasks..."` page, with certain filters applied, then the page will filter by both the applied filter as well as the search term.

2.5. Quick Add New Task

Allows the user to quickly add a task on any page.

2.6. Support

Links to support page. For decoration.

2.7. Statistics

A graph showcasing the number of tasks for the next 10 or so days.

2.8. All activities

An activity log. Records task-related activities, e.g. creation of tasks, and creation/deletion of comments and subtasks. Being a rather

basic implementation, each activity item does not actually say exactly which task/subtask/comment is added/deleted.

2.9. Other Users

Shows a list of other accounts using this app.

2.10. Logout

Logs the user out and resets the session.

3. Sidebar

3.1. Homepage (Links to the homepage)

3.2. All tasks

View all tasks without filters.

3.3. Projects

The numbers next to the project indicate the following: Number of projects owned by you/Number of projects shared with you.

Click to open a list consisting of the current projects.

Click the corresponding projects to view the project's details and the tasks associated with the project.

Projects with a 2-person icon are those that are shared with you.

3.4. Tags

Tags are essentially permanent labels that cannot be deleted.

The tags "Work", "Social", "Personal" are created per-user during registration.

3.5. Labels

Labels work just like tags, however, the user can assign bootstrap colors to the label during label creation.

3.6. Filters

A filter is a collection of filter fields, which will all be applied in the app view.

The user can specify a start date and end date (at the backend it is required that start date < end date), as well as a group of tags and labels that will become part of the filter.

4. Main view

4.1 All task view

Shows all tasks ordered by date.

Under the overdue section, the user is not allowed to create tasks. (However, the user can still create an overdue task using Quick Add Task).

Click add new task to create a task without any tags or labels.

Click on each task to see its details, like subtasks, comments and activity log for that specific task.

Click on the edit button of any task to edit its parameters.

Click on the round checkbox next to any task to toggle its state of completion.

Editing of subtasks and comments is not supported.

4.2. Project View

Shows a list of tasks (not ordered by date) that are relevant to the project.

Any task created here will belong to the project.

Tasks within each project can be sorted (ascending/descending) based on deadline or priority.

A project can be marked as completed, thereby completing all tasks belonging to the project. Uncompleting a task belonging to a project will automatically uncomplete the project.

Click on the share button on your own projects to share your projects with other users.

4.3. Tag/Label View

Shows the tasks with the currently selected tag/label.

Any task created here will have the currently selected tag/label.

4.4. Filter View

Shows the tasks after filtering by the currently selected filter.

E.g. If during filter creation, the filter has the properties

startdate: 20 Dec 2020

enddate: 25 Dec 2020

tags: ["work", "personal"]

labels: ["label_1", "label_3", "label_4"]

Then a task will only be shown in the filter view if and only

- the task's deadline falls between 20 Dec 2020 and 25 Dec 2020

- the task has the tags "work", "personal"

- the task has the labels "label_1", "label_3", "label_4".

For e.g. the following task will be shown in the filter view:

task = {

deadline: 20 Dec 2020

relationship.tags: {"work", "personal"}

relationship.labels: {"label_1", "label_3", "label_4", "label_5"}

} *(This is not a legit js object, but you get the idea)*

Any task created under the filter view will have precisely the tags and labels associated with the current filter.

e.g. If during filter creation, the filter has the properties

startdate: 20 Dec 2020, enddate: 25 Dec 2020

tags: ["work", "personal"]

labels: ["label_1", "label_3", "label_4"]

Then any new task created will be like this:

```
task = {  
  content: "XXX", deadline: XXX,  
  relationship.tags: {"work", "personal"}  
  relationship.labels: {"label_1", "label_3", "label_4"}  
}
```

5. Deletion

The following items can be deleted:

Labels (Click on the cross next to the label on the sidebar to delete it)

Projects (In the project view there is a delete project button that will also delete the associated tasks)

Tasks (Click on the circled cross on the left of each task)

Subtasks and Comments (Click of the circled cross)

Note: Deletion of filters is not implemented.