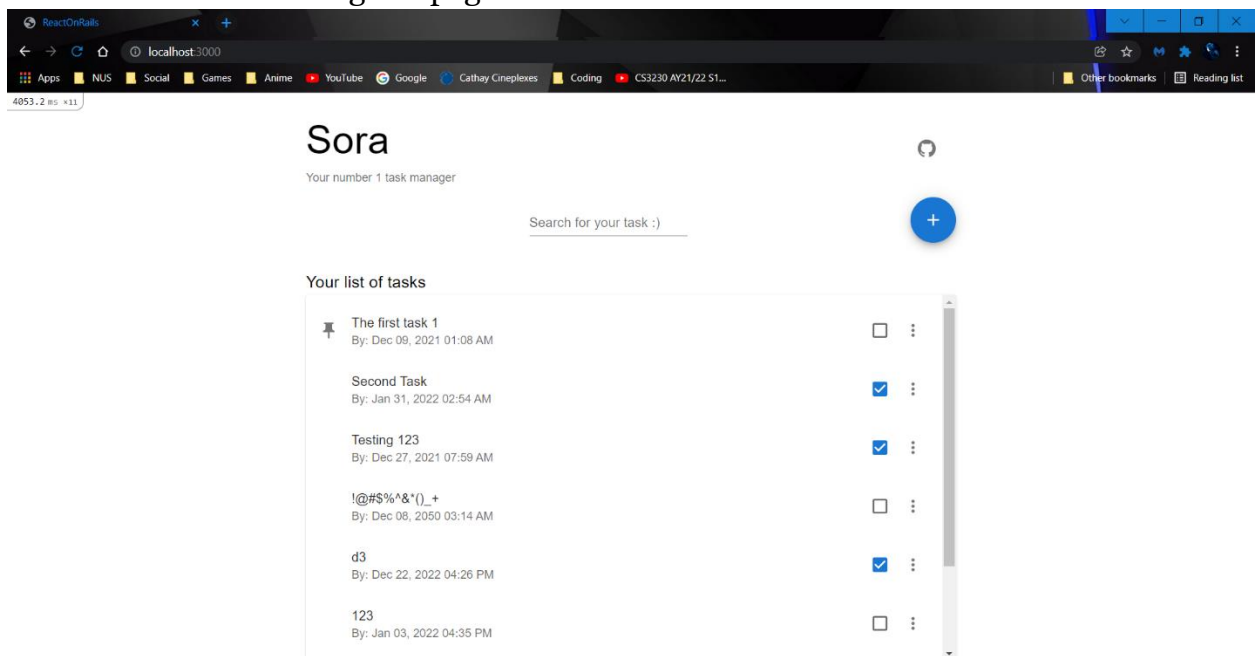I have learnt a lot from this assignment. Rails is a new language much different from C and Java which I am used to. Learning it is sure challenging, but also enjoying and fruitful as I see my application finally running and fully functioning.

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User Manual

1. Fork and clone from https://github.com/SkyBlaise99/react_on_rails
2. Start the application with the command 'rails server'. Access the webpage on http://127.0.0.1:3000.
   a. A simple bash script is provided to start the server, named 'run.sh'. Run the script with './run.sh' in a Linux environment. The script checks if PostgreSQL server installed in your Linux is running, and start the server if it is not, before starting the rails application.
3. You will see the following webpage.

Note:

1. PostgreSQL is used for this app. User can modify settings in 'config/database.yml' to connect to his/her own database.

Features

1. List of tasks
   a. A list of tasks with some details are provided here.
   b. You can scroll up and down to see more tasks.
2. Add
   a. The "+" button is used to add a new task.
   b. A pop-up window will appear to prompt you to input relevant details.
      i. Description: a short description of the task
      ii. Due Date: when the task needs to be completed
      iii. Note: any other details you wish to write down
      iv. By default, the new task is set to "not done" and "not pinned"
   c. Description and due date cannot be blank. In the event you entered blank inputs and press the "Submit" button, the input field will display error message and will not proceed until you resolve the error or abort the operation.
3. Details of task
   a. You can click on a task in the list to see the full details of the selected task.
   b. You can perform "Edit (4)" or "Delete (5)" in this page also.
   c. You can go back to the main page by clicking here.
4. Edit
   a. You can edit the details of the task by clicking here.
   b. Note that if you choose to abort this operation, your modifications will be discarded.
   c. Alternatively, you can click into "Details of the task (3)" and click here.
5. Delete
   a. You can delete the selected task by clicking here.
   b. A confirmation message will be shown.
   c. Alternatively, you can click into "Details of the task (3)" and click here.
6. Mark as done
   a. You can mark the selected task as done.
   b. Alternatively, this can be done under "Edit (4)"
7. Pin as favorite
   a. You can pin a task if deemed important or necessary.
   b. A pinned task has this icon in front of the task.
   c. You can pin or unpin a task by clicking here.
8. Search
   a. A search bar is provided here.
   b. The list of tasks will be updated to display only matching tasks.
   c. Tasks are matched by task description.
      i. The match is case-insensitive. (i.e. "d" will match "d" and "D")
      ii. The match is partial. (i.e. "de" will match both "delete stuff" and "destroy something")

d. Special search by tags starting with "/" and "!" is used to search for opposite criteria.
    i. "/d" -> display all tasks marked as done
    ii. "/!d" -> display all tasks marked as not done
    iii. "/p" -> display all tasks that are pinned
    iv. "/!p" -> display all tasks that are not pinned