

User Manual

Prerequisites


1. Ruby version 3.0.3
2. PostgreSQL 9.2.x or later (with headers, -dev packages, etc).

Quick Start

1. Run `bundle install` in the directory of the program.
2. In the directory of the file, run `bin/yarn install` on the command prompt.
3. Create a user with the username tma in postgresql, or use an existing user by changing the default username in `config/database.yml`. The password for the user should be in the environment variable `TMA_DATABASE_PASSWORD`.
4. To create the database, run `bin/rails db:create` and then `bin/rails db:migrate`.
5. To serve the application, run `bin/rails s`.

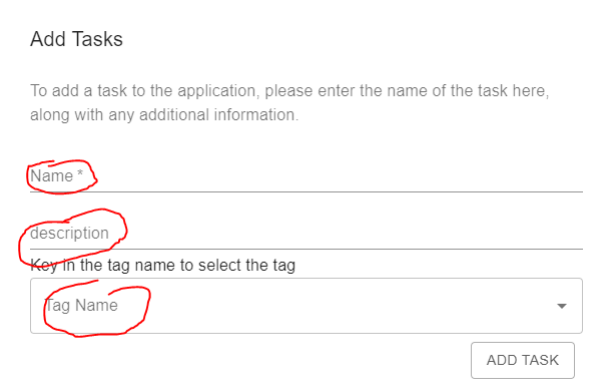
Features


Navigation

Site navigation can be done via  this icon on the top left. There are two pages which this provides access to, the tags page which provides a list of all the tags, and the home page, which displays a list of all the tasks.

Task management

Adding a task can be done by selecting the add task button at the home page of the web application. Assuming `localhost:3000`, the application will be served [here](#). The port can be changed with `bin/rails server -e production -p 4000` to change to `localhost:4000`. The following fields can be added to a task via the task form.



For adding tags, type or select a tag name in the field and press enter to add the tag to the to be created set. If a tag has been added that is not needed, select the cross on the side of the tag to remove it. 

Deleting a task can be done by selecting the **DELETE** button on the task card.

To remove a tag from a task, you can do so through the edit button on the task card.

A task

a tag



DELETE

MORE DETAILS

This will create a display that allows you to modify the fields of a task, except for the description.

name *

A task

Key in the tag name to select the tag

Tag Name

a tag

SAVE

DELETE

MORE DETAILS

To modify the description, select MORE DETAILS which will bring you to a page containing the description of the task. To modify the description, select EDIT DESCRIPTION which will give a view like the following.

EDIT

DESCRIPTION PREVIEW

SAVE CANCEL

The DESCRIPTION PREVIEW tab will display the content that will be rendered. The application will accept [markdown](#) and render it.

In the case where the description used is wrong, and you do not want to save it, select the CANCEL button on the bottom. If you want to save the description, select the SAVE button on the bottom left.

To view the description of a task, when there are a lot of tasks to scroll through, the search bar can be used to bring you directly to the task description.

Search *

The search bar is found on the top right of the application.

Accomplishments

In this assignment, I feel great about my accomplishments as I have successfully developed a Task management application using Ruby on Rails for the backend and React for the front end. I have also successfully integrated PostgreSQL as the database for the program. I am also happy about the successful use of the [react-markdown](#) in rendering the markdown that would be used for task descriptions. Additionally, the use of [react-syntax-highlighter](#) has been very successful in rendering code blocks in the application. With regards to what I have picked up over the course of this assignment, I have learnt how to use Rails to manipulate databases through migrations as well as use of react to render a user-friendly UI. Additionally, I have learnt how to use http requests to communicate with an API running on the same port using fetch in Javascript, which has worked well in integrating my application with PostgreSQL for managing the resources of the application.