

Overview

The product is a to-do manager known as **DoIT**. It is designed with a goal in mind to help the users to keep track of their tasks easily. It is a Ruby on Rails application with React as the front-end backbone.

Basic Use Cases

1. User can add, view, update, and delete tasks.
2. User can create tags and add the tags to tasks to categorize them. User can also delete the tags.
3. User can use tags to filter his/her tasks when viewing them.

Development Plan

The current development plan is to develop the application iteratively in small increments. I plan to learn the required skills along the way and then develop the application with the new set of skills I learn instead of learning all the skills at the beginning. Thus, I plan to deploy the application in few versions on Heroku as follow:

- V1.0 : Implement basic CRUD operations for tasks
- V1.1 : Do UI touch up to the application
- V1.2 : Implement create tags, add tags to task, and delete tags feature.
- V1.2.1 : Implement filter tasks by tags feature

Technology Stack

Below is the primary technology stack employed for the application.

Front-end: React, React-Bootstrap

Back-end: Ruby on Rails, PostgreSQL

Current Problems

The current problems that I am facing include learning the technologies needed to create the applications which are Ruby on Rails and React while developing the application. Besides, I also face difficulties sometimes to figure out how to integrate React with Rails. However, I managed to overcome the difficulties by doing courses online and researching for solutions through StackOverflow and other websites.