

Basic Use Cases

1. Basic CRUD System [Completed]
 - a. The app allows users to create tasks with a title and brief description.
2. Add a *due date* for each task [In progress]
3. Allow tasks to be *marked as completed* [In progress]
 - a. This will use Active Records Validation and when checked, the task will be added to an archive.
4. Folders to group tasks [In progress]
 - a. Users can add tasks to premade folders [Work, Home, Fitness, Social] or customise their own folders based on need.
5. Ranking System
 - a. Tasks can be ranked from 1-4 in order of importance. Tasks that are more important will be displayed first. For tasks with same rank, those with earlier due dates will be displayed first.
6. Implement a Search Functionality to search for tasks by the task title [In progress]
7. Allow tasks to be repeated using CRON
8. Improve user interface for greater readability and allow individual user sign-in.

Execution Plan

1. Create Ruby on Rails Application with basic CRUD functionality [Completed]
 - a. This will be based on the tutorial given with customised labelling.
2. Add attribute of Due Date for tasks.
3. Allow Active Record Validation for Mark as Completed
 - a. Create a new database item for 'completed'
 - b. Edit the application MVC to allow updating the status of each task as complete
 - c. Create an *Archive* folder [to be done after step 3 of execution plan] and move the task into that folder.
4. Generate MVC for Task Categories and allow tagging tasks into separate categories [In progress]
 - a. This includes creating an archived folder and moving 'completed' tasks into the *Archive* folder.
5. Create a simple ranking system [In progress]
6. Create a search bar to allow users to search for tasks based on Task title [In progress]
7. Work on individual user sign-in
8. Improve user interface.

Problems Faced:

1. Repetition of Task and Description bars in the *edit* page. Solution: Debug the view/edit.html.erb file to remove duplication
2. Difficulty integrating Ruby on Rails and React.