

Write-up on CVWO Assignment (Mid-assignment Submission)

She Jiayu

Basic Use Cases

1. CRUD operations of tasks
User inputs include title, details, start date, deadline and level of importance, where title and deadline are mandatory inputs.
2. CRUD operations of remarks for each task
User can input remarks to keep track of their progress of the respective tasks.
3. Breakdown of each task into subtasks
User can list down the subtasks needed to finish each task.
4. Tagging of tasks into various categories and statuses
User can categorize their tasks with different tags.
5. Search of tasks via start date, deadline, category, or status
User can organize their tasks and search through them using various methods.
6. Logging of all past achievements
User can keep track of the tasks they have finished and the milestones they have accomplished in the past week/month/year/semester/academic year.

Execution Plan

1. CRUD operations of tasks
Make use of Rails' model generator and controller generator to generate the Item object, to achieve the basic CRUD operations of tasks.
2. CRUD operations of remarks for each task
Make use of Rails' model generator and controller generator to generate the Remark object associated to the Item object, to achieve the basic CRUD operations of remarks for each task.
3. Breakdown of each task into subtasks
Make use of Rails' model generator and controller generator to generate the Subtask object associated to the Item object, to achieve the basic CRUD operations of subtasks for each task.
4. Tagging of tasks
Make use of Rails' model generator and controller generator to generate the Tag object associated to the Item object, to achieve the basic CRUD operations of tagging for each task.
5. Search of tasks via start date, deadline, category, or status
TBC
6. Logging of all past achievements
TBC

Problem Faced

1. How to achieve the search operation of tasks in the list.
2. How to make the UI look nicer.

P.S.

As someone completely new to web development, I spent plenty of time getting myself familiarized with Linux terminal, vim, Git, GitHub, Ruby and finally Rails. As such, I have only achieved the basic CRUD operations of tasks and remarks for each task so far, and most of the other codes are still in progress. But I am sure I will make much more progress and have a much better version for my final submission.