

CVWO AY2018/19 Winter Mid-Assignment

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Overview:

Personally, I find to-do apps difficult to use. Instead, I choose to write my to-do lists on paper. I have identified two main reasons for this choice. First, filling and maintaining a to-do list on an app tends to be difficult and complex. Even when I merely want to write something simple like "do CS1231 tutorial", I am prompted to key in many other details such as labels, due date, priority, etc. To me, these other details are unnecessary because I do know what priority and due date they have in my head. I would rather use the app as a quick reminder instead of being completely dependent on it. I am confident many other current non-users of to-do apps feel so too. Second, to-do apps tend to be very linear. Paper brings no restrictions as I am free to easily form any sort of illustration or diagram. Apps cannot, and should not, attempt to achieve this same level of freedom, but it seems to me that most users would appreciate less of such restrictive linearity.

Thus, I plan to create a simple and barebones to-do app that has functions to create non-linear lists. I plan to create the app such that users need to opt in on any superfluous features. To combat linearity, I will attempt to implement the ability to arrange to-do items into a tree flowchart of sorts. A large project tends to have many steps that form different branches, as some steps should be completed simultaneously while others only in a certain order. Creating a tree flowchart of to-do items can aid a better big picture understanding of the whole project. One small feature I will add is adding "for them to-do" items, i.e. steps that the user is waiting on another person to complete. This feature will allow users to continue forming a big picture understanding of projects while allowing them to pester the other people should the item not be done.

I do not have any experience with Ruby or Rails, so I have little idea of how to create the application. Hence, the features will likely change as I figure out more!

Specifics:

To-do items

Create a new to-do item: Add title, description, due date and time.

Edit a to-do item: edit any details and save

Delete a to-do item: delete a to-do item

Complete a to-do item: Tick an item to complete it, grey out the item, move it to bottom of list.

Tag a to-do item: Add a label

To-do projects, a higher level to-do item

Create, Edit, Delete, Complete, Tag: identical to to-do items

Add to-do steps that are identical to to-do items

Rearrange to-do steps: Not sure about implementation yet

For them to-do items

Create, Edit, Delete, Complete, Tag: identical to to-do items just with additional field on person-to-complete-task.

Display the to-do list

View all to-do items and projects

Click on an item/project to see more/edit

Search for a specific label/tag