

CVWO Mid-Assignment Submission

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Basic Use Cases

For a todo list, users would generally want the following functionality:

1. Creating, editing and deleting of todos
2. Ability to set a todo's title and description
3. Ability to toggle a todo's state as 'completed' and 'uncompleted'
4. Tagging of todos
5. Searching of todos
6. Todos should persist even if the app is closed (and later reopened)

Execution Plan

Ruby on Rails already provides a very powerful scaffold that can be generated as the base for our todo list. This can be done by running the command `rails generate scaffold`.

Of course, modifications have to be done to make the app into a todo list. I plan to use a boolean `completed` variable to track if the todo is completed or not (instead of using `destroy` to 'complete' todos, which might not be what the user wants). Then, we can display completed and incomplete todos separately with an `if` statement (which allows completed and incomplete todos to be styled differently as well).

I think that tagging of todos can be implemented simply with a text field, and searching of the tags can be done by just searching the contents of the text field.

Finally, some simple styling can be done (e.g. bootstrap?) to make the todo list look more aesthetically appealing to users.

Problems

I am relatively new to web programming, and this is my first time programming with Ruby on Rails. Thus, I had to get up to speed with the MVC framework and how it operates. However, I felt that it was fun and interesting to learn about new technologies and frameworks, as Ruby on Rails does allow us to create powerful applications without much coding at all!

Rails Screenshot



Yay! You're on Rails!



Rails version: 5.1.6.1
Ruby version: 2.3.3 (1386-mingw32)

(Also refer to rails-screenshot.png)

Test Heroku Deployment

A version of the (incomplete) todo list can be found at: <https://desolate-scrubland-50087.herokuapp.com/>