

Basic use cases of my current to-do web application:

- Allows creation of multiple to-do lists, with a title and description for each to-do list
- Each individual to-do list features to-do items which can be deleted and be marked as complete

Execution plan

I intend to create a web application that features

- User sign-up and login
- Tagging system which allows each item in a list to be tagged
- A tag cloud at the top of each to-do list, which features all the tags. Clicking on the tag would filter out the items with only the tag that is selected

Problems currently faced:

As of now, I am still figuring out how to implement user login, and the tagging system. I also realize that as I am going through rails tutorials and guides online, I am just following instructions and only have a shallow understanding of the MVC framework and am not able to deploy them for different situations. As a result, I spend a lot of time reading and watching videos about the MVC framework, request-response cycles, how relational databases work, etc. I am also getting used to ruby syntax and embedded ruby in html.

About 1 year ago, I had some exposure to front-end web development in html, CSS(mostly bootstrap) and Javascript. The transition to using react for frontend is very stark, and I am unsure of how I would go about designing or styling the webpage with react.

All in all, being very new to web development, there is a very steep learning curve in this journey and a lot to learn on the go, but I am glad to have embarked on this assignment this winter as I have learnt a lot about web development.