

Basic Use Cases:

The todo list app I have currently created is just the skeleton containing then basic CRUD operations. This means that users are able to create todo lists, delete todo lists as well as update its name and description. Within the todo lists, there are todo items that can be created, deleted as well as marked complete.

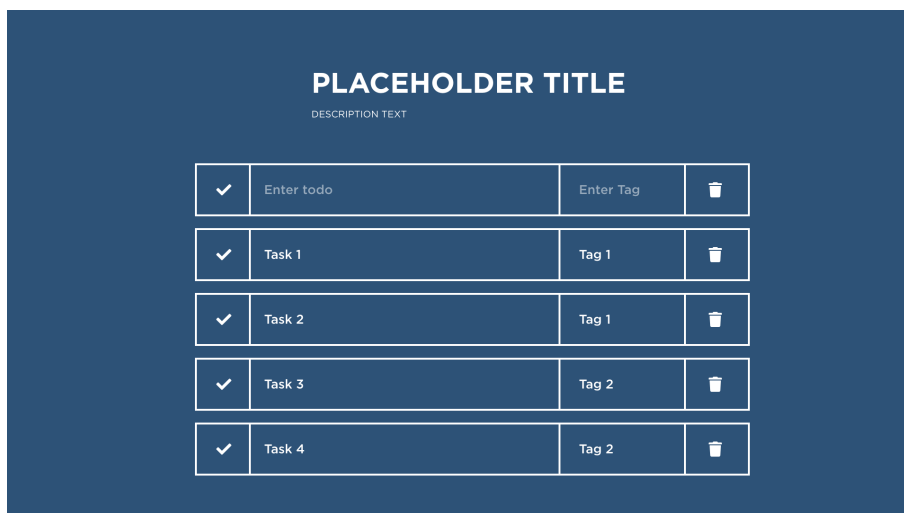
Execution Plan:

Currently I have used this tutorial :

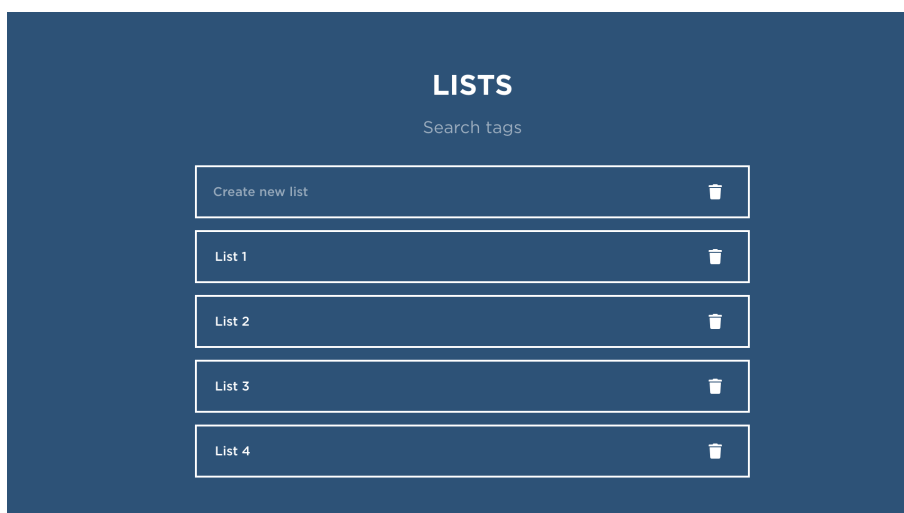
<https://medium.com/@deallen7/how-to-build-a-todo-app-in-rails-e6571fcccac3>

As a basis to create the skeleton of the web app, I am currently working on the basic function of editing the todo item itself and have implemented the skeleton of the app.

After that implementation, I plan on tackling task 2 to have tags for individual tasks. An optional separate text field for the tags can be saved for the task. Afterwards, each tag will be made available to search for for the user as seen in the wireframes below I have done in adobe XD. After clicking on the tag, items that have the same tag will be listed for the user to see.



Task view. Task 1 and task 2 are have tag 1 while task 3 and 4 have tag 2 tagged to it.



List view. Users are able to create their lists there and search for tags.



When searching for tag 1, task 1 and task 2 are shown.

Another feature I plan on implementing is to make it responsive using CSS media queries to have a UI that is mobile friendly and a UI that is more web friendly.

Problems faced:

Currently I am facing problems implementing the feature for editing the todo item itself. The error I am currently having is that after creating the edit page view using a `form_for` the submit method is making a POST request instead of a PUT request to update the todo item itself.

Eventually I managed to solve this problem by editing the controller for the todo items and just ensuring it redirects to the todo list object which has been set at the start.

Another problem faced is that when destroying lists, there is a foreign key violation error, due to the foreign key being added to `CreateTodoitems` migration.

In order to solve this in the `todo_list` ruby file I added a dependent: `:destroy`, this ensures that the todo items are destroyed as well when I call the destroy method on the todo list as well.