Assignment 7 – Action Pack

In the previous assignment, you implemented the database portion of the Todos app. This homework deals with working out the Action Pack portion.

Your app should behave very similar to http://todos-jhu.herokuapp.com. You can log in in as Matt/abc123 or Tim/abc123 and try the app out.

The exact requirements are below:

1. Add 'done' boolean field to todoitems table. (**Tip:** This will provide you with a 'done?' method.)
2. Your app needs to provide a basic authentication/authorization mechanism (**Note:** You are welcome to reuse the authentication/authorization mechanism we discussed in class.)
3. The app should provide a navigation bar across the top that enables a user to:
    a. Edit his account information
    b. Logout
    c. Go to homepage (TodoLists listing page)
4. Seed the app with Matt/abc123, Tim/abc123 (as well as other users if you wish).
5. Implement show, edit and update actions in the Accounts controller. (There is no need to provide account creation functionality. This can be seeded together with user creation.)
6. Map the accounts controller actions as a resource (singular) in the routes file. (Think about how we did this with the session resource in class.)
7. Homepage should be a listing of TodoLists with an ability to create a new TodoList.
8. Also, provide ability to edit and delete TodoLists.
9. The listing should contain a date and a hyperlinked TodoList name. If there are no TodoItems assigned to a TodoList OR if all the TodoItems assigned have been marked as completed – the date should be highlighted green; otherwise – it should be highlighted red (to provide a visual indication to the user that the TodoList's TodoItems need to be completed).
10. Clicking on a TodoList should take you to the next page (TodoList show page) where TodoItems for the TodoList are listed and there is an ability to click a link to create a new Todo Item or click on an existing TodoItem to see its description and status.
11. Provide pagination when listing Todolists and Todoitems
12. If a TodoItem has not been marked completed – it should have some sort of a red indicator (maybe a red border); otherwise – it should have something green in it. (This is similar to requirement 9 above.)
13. New TodoItem form should have input for title, description and due date, but not the done field (since a TodoItem cannot be done when just created).
14. Clicking on an existing TodoItem should show its title, due date, status (done/not done) and description (if any).
15. There should also be ability to delete/edit a TodoItem.
16. Edit TodoItem form should have the same fields as 12 above plus a 'Task Completed' checkbox to mark the task completed.

1. Commit all the files to your local repo and push your repo out to your private team repo on github creating a remote branch called `assignment7`.
2. For this assignment, it might make the most sense to work on a master branch of a newly created repo and then do `$git push remote_alias master:assignment7` to push it out to github. (Remember that you can only push to a remote `master` branch at Heroku)
3. Deploy the assignment to Heroku and specify the URL in the README.txt.