CSC 436: Web Applications
Lab 3

React Todo app

Goal: Add interactivity to the React Todo App built in lab2 by making converting components containing input elements into controlled components and adding a user and post reducer to update application state.

Requirements:
Update the components you created in week 2 to use the useState and useReducer hooks appropriately. Feel free to use the example we build in lecture 3 for guidance, but note that you're not obligated to implement functionality the same way I did in class.

1. Your user login related components should utilize the useState hook to manage form state within the component and a userReducer for updating global user state.

2. Your component responsible for creating new Todos should utilize the useState hook to manage form state within the component and a todoReducer for updating global todo state.

3. Reducer actions your userReducer must implement:
   - LOGIN ("logs in a user" and makes the createTodo component visibile)
   - REGISTER ("logs in a user" and makes the createTodo component visible
   - LOGOUT ("logs out a user" and removes the createTodo component)

4. Reducer actions you may want consider implementing in your todoReducer:
   - CREATE_TODO (adds a new todo to your todolist)
   - TOGGLE_TODO (locates a specific todo in your todo list and toggles the complete field and sets the dateCompleted field)
   - DELETE_TODO (removes a specific todo from your todo list)

Submission

1. Add and push commits containing changes for lab 3 to the repo you created for lab 2. No need to worry if you have not yet received a grade for lab 2 prior to pushing, I will look at your commit history if need be.
2. Submit the link to your git repo to the lab 3 dropbox folder. This will indicate to me thatyour repo is ready for grading.

Late Submission

Late submissions will not be accepted for this assignment as we will be iterating on it weekly, we will need to review it in class next week so the entire class can level set and we can be in sync adding additional functionality.