CVWO mid-submission

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Basic Use Cases

- User Accounts (For each user to have access to only their todo list)
  - New users can sign up for an account by inputting their username, email (which must be unique), password and password confirmation (to ensure there is no typo in password)
  - Log in via email and password
  - Using Sessions to manage login and logout
- Todo Items
  - Each todo item has a title (compulsory), description, category, deadline and created date (autogenerated)
  - CRUD operations on each todo item
- Additional features
  - A search bar that can be toggled using radio buttons to enable searching of todo items by title or category
  - Sort options by alphabetical order, deadline (default) or created date

Execution Plan

- Create Rails application with webpacker and react [COMPLETED]
- Implement homepage, signup page and login page [COMPLETED]
- Create API backends for:
  - Users [C] [COMPLETED]
  - Todo Items [CD] [COMPLETED]
  - Todo Items [U] [IN-PROGRESS]
- Implement login/logout functionality [COMPLETED]
- Search and Sorting functionality [IN-PROGRESS]
- Add CSS [IN-PROGRESS]
- Deploy to Heroku [IN-PROGRESS]

Problems Faced

- Major difficulty in finding tutorials that combine rails and react on a single server rather than having a rails app and a react app running on separate servers
- Currently my Sessions are problematic, after logging in to access the /todo_items page, refreshing the page will redirect user back to the homepage. I suspect there are some issues with my implementation of checking whether user is logged in under componentDidMount of TodoItems component.
- Currently my delete function for todo items is also buggy. It seems that the all the todo items for the user are automatically deleted when he accesses the /todo_items page instead of when he clicks on the "completed" button for the specific item he wants to delete. I think there are issues with my deleteTodo

function in the TodoItems component when I pass in the todo item id parameter.