

CSC 436: Web Applications

Lab 2

DUE DATE: SEPTEMBER 27, 5:30PM

Building a React Todo app

Goal: Leveraging the Blog example built in class during week 2, start building a React powered todo list.

Requirements:

Your application must contain the the following functionality:

1. **Login, Registration, and Logout** (you're only building front-end components, so these do not actually need to validate or persist credentials.)
2. A **Todolist** containing individual **Todo** items
3. A form to add new **Todo** to the **Todolist**.
4. An individual **Todo** item should consist of the following data/props:
 - a. title (this is a required field, form should not submit without it)
 - b. description (this is an optional field, it is not required to submit the form)
 - c. author (this is the currently logged in user's username)
 - d. dateCreated (this field is set dynamically when the form is submitted – research the JS lib method Date.now())
 - e. complete (a boolean initially set to false when a Todo is created)
 - f. dateCompleted (this field is set dynamically when the form
5. When rendering a **Todo** a checkbox should be used to display the value of the “complete” field. Checking/unchecking the checkbox should update the value of the “complete” field appropriately. The dateCompleted field should also be updated (again, dynamically utilizing Date.now())

Note – We did not cover using Bootstrap with React yet in class. Your React application can look ugly (reference our in class example if you would like guidance as far as structure/appearance goes.)

Submission

1. [Initialize a git repo, commit your project, and push your code to GitHub.](#)
2. Create a .txt file named **FIRSTNAME_LASTNAME.txt** containing a link to your GitHub repo. **Please ensure your repository is public.**
3. Upload the .txt file to the D2L dropbox for hw2. This will indicate to me that your 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.

