

CSC 360: Web Applications

Homework 2

DUE DATE: April 19, 5:30PM

Building a React Todo app

Goal: Leveraging the Blog example built in class during week 3, build 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**. The form should only be displayed to a "logged-in" user
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. dateCreated (this field is set dynamically when the form is submitted – research the JS lib method `Date.now()`)
 - d. complete (a boolean initially set to false when a Todo is created)
 - e. 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.) We will continue to iterate on this homework weekly, and we will add Bootstrap styling at a later date.

Submission

1. [Initialize a git repo, commit your project, and push your code to GitHub.](#) (You may also repurpose the repository you used for homework 1.)
2. Create a .txt file named **FIRSTNAME_LASTNAME.txt** containing a link to your GitHub repo. **Please ensure your repository is public or you invite me as a collaborator.**
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 be accepted up to two weeks after the original due date. There will be a 10% grade deduction per week late.

