

# **React To-do Planning Assignment**

Deadline: Monday, JUL 27 2020, 09:00 AM

GitHub Classroom Link: https://classroom.github.com/a/PnUvnLHF

REMEMBER TO SET REPO TO PRIVATE UNTIL AFTER DUE DATE

### Introduction

This assignment is meant to prepare you to think in terms of component based designs. Your goal in this assignment is to come up with a detailed diagram that breaks down all the components necessary to create a to-do app in React.

### Requirements

|           | Components are broken down into reusable segments                                       |  |
|-----------|---|--|
|           | Components have a detailed description of how each component will function (pseudocode) |  |
|           | Arrows are used to show how each component is linked to one another to create a fully   |  |
|           | functioning application   |  |
|           | Image of diagram is uploaded to your repository for this assignment                     |  |
|           |   |  |
| nallenges |   |  |

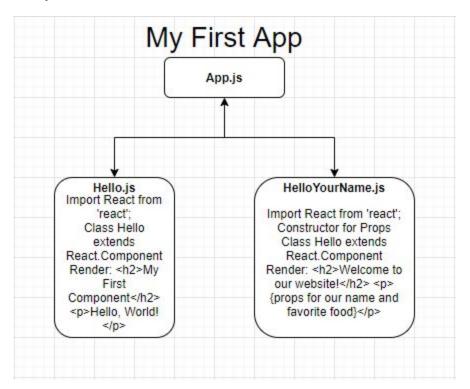
### Ch

- Add potential additional features
- ☐ Use JSX over pseudocode in your diagram (or partial JSX)

#### Hints

- Tools like draw.io can be useful in helping you create neat diagrams
- Be creative! Add features that would make sense in a to-do list
- Focus on the requirements before moving on to the challenges! Challenges are extra

## **Sample Screenshot**



# Rubric

You will be evaluated on the following points. You must get all 4 of the Mandatory points to pass:

| <u>Requirement</u>  | <u>Points</u> |
|---|---------------|
| MANDATORY:  |               |
| Components are broken down into reusable segments   |               |
| <ul> <li>Components have a detailed description of how each component will function (pseudocode)</li> </ul> |               |
| <ul> <li>Arrows are used to show how each component is linked to one another to create a fully</li> </ul>   |               |
| functioning application   |               |
| <ul> <li>Image of diagram is uploaded to your repository for this assignment</li> </ul>                     |               |
| CHALLENGE:  |               |
| Add potential additional features   |               |
| <ul> <li>Use JSX over pseudocode in your diagram (or partial JSX)</li> </ul>                                |               |
| Total:  | 4             |

## Citation Guide

Whenever you borrow code, the following information must be included:

- ☐ Comments to indicate both where the borrowed code begins and ends.
- ☐ A source linking to where you found the code.
- ☐ Your reason for adding the code to your assignment/project instead of writing it out yourself
- ☐ How it works. Explain to us how the code is supposed to work, include links to documentation/articles you read to help you understand.
- ☐ A small demonstration to prove you understand how the code works.

```
const inputArr = [5,1,3,4,2];

/*Borrowed code for bubbleSort starts*/

let bubbleSort = (inputArr) => {
    let len = inputArr.length;
    for (let i = 0; i < len; i++) {
        if (inputArr[j] = inputArr[j+1]) {
            let tmp = inputArr[j] = inputArr[j+1];
            inputArr[j] = inputArr[j+1];
            let tmp = inputArr[j+1];
            inputArr[j] = inputArr[j+1];
            let tmp = inputA
```