

CPSC2261: Web Technology
Summer 2021
Assignment 1: Getting started with React

Learning goals:

- Learn how to setup a basic React application using create-react-app
 - Learn about components, JSX, and props
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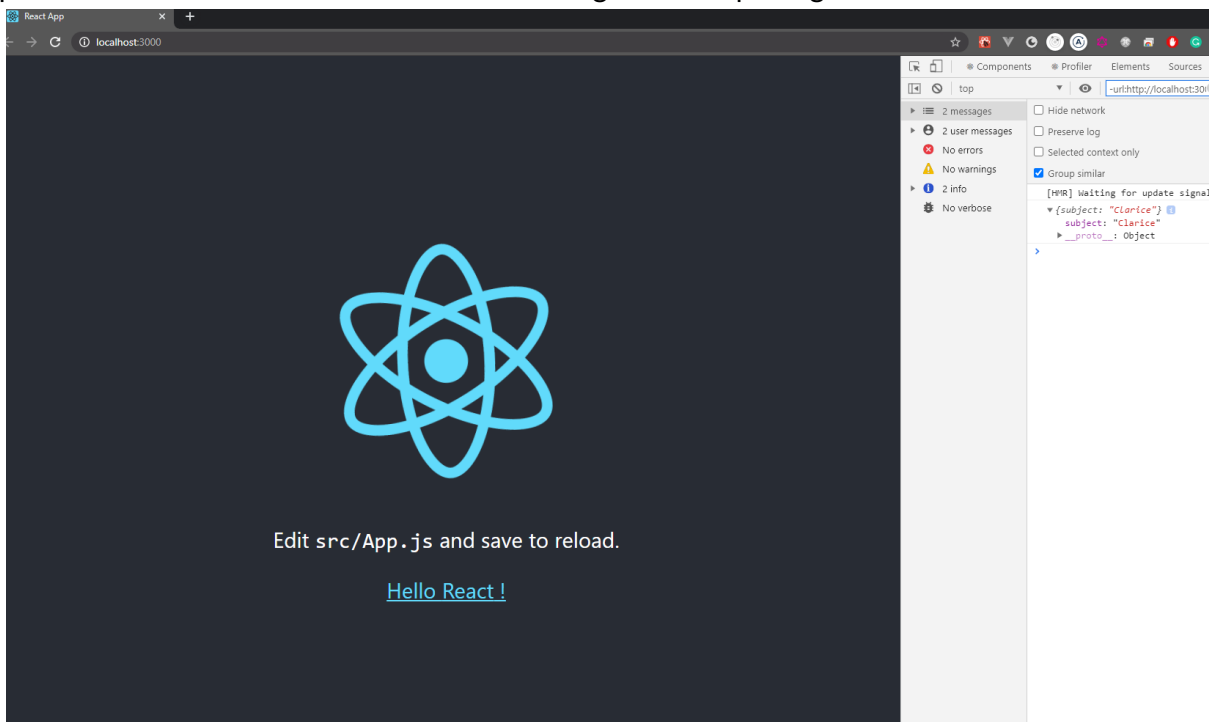
Setup:

1. Before starting make sure you have [NodeJS](https://nodejs.org/en/) installed in your system.
2. You are recommended to use VSCode and Chrome in this course.

Task 1: Creating a basic app using React:

1. Read the following article about *Gettings Started with React* in MDN Docs:
https://developer.mozilla.org/en-US/docs/Learn/Tools_and_testing/Client-side_JavaScript_frameworks/React_getting_started
2. **Follow the steps outlined in the article above** to set up a basic react app and learn about variables, props and components in React.

Your output in the browser should look like the following after completing Task 1:



Task 2: Beginning our React todo list

We have been tasked with creating a proof-of-concept in React – an app that allows users to **add**, **edit**, and **delete** tasks they want to work on, and also **mark tasks as complete** without deleting them.

The following article from MDN will walk you through putting the basic App component structure and styling in place, ready for individual component definition and interactivity, which we add in a later assignment.

- Read the following walkthrough article from MDN Docs:
https://developer.mozilla.org/en-US/docs/Learn/Tools_and_testing/Client-side_JavaScript_frameworks/React_todo_list_beginning
- Follow the steps outlined in the article above to set up the basic App component structure and styling.

Task 3: Written responses

1. **create-react-app** gives us an initial file structure for our project. Briefly go over how it is structured.
Hint: focus on **src** and **public** directories and **package.json** file.
2. Briefly go over the `<App/>` component - what is its purpose and how is it being rendered on the screen.
Hint: Try to see how the `index.html`, `index.js` and `App.js` files are connected.

Hand In:

Zip your assignment directory and submit your work in the Assignment 1 folder, and hand it in.

- When you zip your directory, remember to exclude the node modules folder. The marker will download your submission, install the node modules and run your app.
- For Task 3, include your answers in a separate text file titled `CPSC2261_AS1_Task3_firstname_lastname`

Checklist:

- [7.5 marks] Tasks 1 and 2
- [2.5 marks] Task 3

Total: 10 marks