Exercise (Instructions): Getting Started with React

Objectives and Outcomes

In this first React exercise, you will first install *create-react-app*, the command line tool for scaffolding React applications. You will then use the tool to scaffold out a basic React application. We will thereafter develop this application into a full-fledged React application in the process of doing the exercises in this course. At the end of this exercise you will be able to:

- Install *create-react-app*
- Scaffold out a basic React application

Installing Yarn

- Yarn is another package manager like NPM, but is better suited and faster to work with for React applications. So let us install yarn and use it for building our React applications.
- To install Yarn, you can find the instructions for your specific platform at https://yarnpkg.com/en/docs/install.
- If you choose not to install Yarn, you can continue to use npm in place of yarn without any problem.

Installing *create-react-app*

From the React documentation we learn that the *create-react-app* CLI makes it easy to create an application that already works,

```
1  create-react-app --help
```

Generating and Serving a React Project using *create-react-app*

- At a convenient location on your computer, create a folder named *React* and move into that folder.
- Then type the following at the prompt to create a new React application named *confusion*:

```
1  create-react-app confusion
```

- This should create a new folder named *confusion* within your *React* folder and create the React application in that folder.

```
1  git init
2  git add .
3  git commit -m "Initial Setup"
```

- Thereafter you can set up an online Git repository and synchronize your project to the online repository. Make sure that the online Git repository is a ***private*** repository.

Conclusions

In this exercise you installed the create-react-app CLI tool and created a basic React project and served up the compiled project to your browser.