**React Workshop Handout**

**Downloads**

* **VSC**: <https://code.visualstudio.com/>
  + Code editor
* **Node**: <https://nodejs.org/en/download/>
  + JavaScript runtime environment that will allow you to code in JS
* **Codepen**: <https://codepen.io/suntoast/pen/qBmwWXG>
  + In-browser code editor with built-in React, in case it errors on personal laptop.

**Steps**

1. Download Node
2. Open terminal (in VSC or not)
3. Type npx create-react-app todo-app to create React folder/project
4. Discuss [React File Structure Website/Info](https://medium.com/@abesingh1/create-react-app-files-folders-structure-explained-df24770f8562) while loading
5. Check to make sure everyone’s has loaded then begin
6. Type cd todo-app then npm start
7. React basics:
   1. Explain JavaScript and how React is a library within JS, so the file is all JS except for the returns of functions, which is JSX, HTML with JS, for increased functionality.
   2. Write Hello World in the middle of the screen and style
   3. Replace “World” with a variable name, using JSX to display
   4. Do the same with numbers and other coding concepts
8. Code [todo project](https://bishopiretonorg.sharepoint.com/:w:/s/HackBI/ETceDz307PBAoDn_zgXkEO8B4orW7s4A6OMiYHXwnop0NA?e=ZCJDVB) with Drew

**Cheat Sheet/Comprehensive Beginner Guide**

* Found at freecodecamp
  + <https://www.freecodecamp.org/news/react-for-beginners-cheatsheet/>