

Documentation on React Native

1. Setting Up React Native with the given base code:

- In the following: type this in terminal
 - npx create-expo-app "Our project name"
 - With this command, npx will provide us with react native base code
 - cd "Our project name"
 - cd will send us to our project directory
 - npx expo start
 - this command will start our project server

2. Installing Dependencies

- We will need both Node/Java Development/Android studio
 - MacOS
 - brew install node
 - brew install watchman
 - brew tap homebrew/cask-versions
 - brew install --cask zulu11
 - Windows
 - choco install -y nodejs-lts microsoft-openjdk11

Important notice note

- Windows can not do IOS development/ MacOS can only develop both iOS/Android:
- macOS users will need to use Android studio for Android development

3. Modifying our application:

- Open "App.jsx" in our text editor of choice and edit some lines
 - Once the file is edited, the server should reload automatically once you save your changes
-

4. Deploying our server:

- The server will be held on a localhost port that npx will send you in the terminal to see your changes

5. Programming in JavaScript code;

- Use JavaScript with react to learn how to use [props/class/conditionals/forms/routers](#)
 - W3Schools also provides separate examples of react-native

6. Coding Examples In JavaScript

- How to create a function an about me function:
 - Coding in react.js is like html but the react framework makes development more efficient

```
const Daniel = () => {  
  return (  
    <div id="body">  
      <div id="main_body">  
        <div id="left">  
          <img alt="daniel" id="abt_me_image" src={image} />  
        </div>  
  
        <div id="right_info">  
          <h1 style={{ marginBottom: "0.25em" }}>Daniel Bueno</h1>  
          <p style={{ marginTop: "0.25em", color: "grey" }}>  
            Hello everyone, my name is Daniel. I am a third year Compu  
            I am a powerlifter, programmer, and a gamer. I have experi  
            I strive to be a Full Stack Developer.  
          </p>  
          <br />  
          <br />  
          <br />  
          <br />  
          <a href="https://github.com/dbueno3">  
            <img src={github} alt="githubLogo" className="social" />  
          </a>  
          <a href="https://www.linkedin.com/in/dbueno3/">  
            <img src={linkedin} alt="linkedinLogo" className="soci  
          </a>  
        </div>  
      </div>  
    </div>  
  );  
};
```

- How to set up routers in react
 - When it comes to routes we will need to set routes
 - For example for Daniel I set myself a folder name “Daniel”
 - Made a .jsx file name “daniel” where I store all my react code as seen above ^

```
//About Me  
import Shad from "../views/about_me/shad/Shad.jsx";  
import Ze from "../views/about_me/Ze/ze.jsx";  
import Daniel from "../views/about_me/Daniel/daniel.jsx";  
  
import { BrowserRouter as Router, Route, Routes } from "react-router-dom";  
  
// toggleModal will both show and hide the modal dialog, depending on current state. Note that the
```

- Working with props: Example given in CSE 370
 - In the given code, we have a const function name “Post” where we’re given a prop object
 - With this prop function we will use it as a object that either refreshes a upload feed as well as a test to see an updated feed

```

const Posts = (props) => {
  console.log("RENDERING POSTS");
  console.log(typeof props.doRefreshPosts);

  console.log("TEST COMPLETE");

  // if the user is not logged in, show the login form. Otherwise, show the post form
  if (!localStorage.getItem( key: "token")) {
    console.log("LOGGED OUT");
    return (
      <div>
        <p>CSE 370 Social Media Test Harness</p>
        <LoginForm login={props.login} />
      </div>
    );
  } else {
    console.log("LOGGED IN");
    return (
      <div>
        <p>CSE 370 Social Media Test Harness</p>
        <PostForm refresh={props.apprefresh} />
      </div>
    );
  }
};

```

Useful Resources:

- W3 Schools
 - https://www.w3schools.com/REACT/react_events.asp
 - For syntax code help
- React Native Developer page for set up
 - <https://reactnative.dev/docs/environment-setup>
- Youtube Links
 - <https://www.youtube.com/watch?v=mrjy92pW0kM>
 - This youtube video helps out with installing extensions that can help debug JavaScript code
 - <https://www.youtube.com/watch?v=oorfevovPWw>
 - This video helps out people with Windows machines set up their React Native environment.
 - As well as installing extensions that can also help with debugging