Create React App Setup

1. Create React App Setup and Version Downgrade Instructions

a. React File Structure Created during the CRA process

```
├── README.md
├── package.json
├── public
│   ├── favicon.ico
│   ├── index.html
│   ├── logo192.png
│   ├── logo512.png
│   ├── manifest.json
│   └── robots.txt
├── src
│   ├── App.css
│   ├── App.js
│   ├── App.test.js
│   ├── index.css
│   ├── index.js
│   ├── logo.svg
│   ├── reportWebVitals.js
│   └── setupTests.js
└── yarn.lock
```

b. Version Downgrade Instructions

- **Important**: `create-react-app` now automatically uses the latest release of React, version 18. Due to several conflicting packages with React version 18, follow the steps below to ensure that all activities work as intended.

- Delete the `package-lock.json` file and `node_modules` folder from the `client` directory.

- Downgrade `react` to 17.0.2 inside of the `package.json` file.

- Downgrade `react-dom` to 17.0.2 inside of the `package.json` file.

- Downgrade `@testing-library/react` to ^11.1.0 inside of the `package.json` file.

- Your `package.json` file should look like the following:

```
"dependencies": {
    "@testing-library/jest-dom": "^5.16.4",
    "@testing-library/react": "^11.1.0",
    "@testing-library/user-event": "^13.5.0",
    "react": "17.0.2",
    "react-dom": "17.0.2",
    "react-scripts": "5.0.1",
    "web-vitals": "^2.1.4"
},
```

- Run `npm install` to ensure that your project is now running React version 17.

- If we change into `00-practice-app` and then run `npm start`, we can see that the application builds and automatically opens a browser window.

- For each subsequent activity in this module, we will remove the `/src` directory in `00-practice-app` and replace it with the `/src` directory in the activity's `/Unsolved` folder. Let's practice that now.

c. **Open the index.js file and replace the react-dom import with this:**

    i.   import ReactDOM from 'react-dom';

d. **In the index.js file replace**

```
const root = ReactDOM.createRoot(document.getElementById('root'));
root.render(
<React.StrictMode> <App /> </React.StrictMode>
);
```

With this:

```
ReactDOM.render(
    <React.StrictMode>
        <App />
    </React.StrictMode>,
    document.getElementById('root')
);
```