To create a React app and run the project, follow these steps:

**1. Install Node.js and npm**

* React relies on **Node.js** and **npm** (Node Package Manager). If you don’t have them installed, you can download and install them from the official website:  
  **Node.js Downloads.**
* After installation, verify by running the following commands in your terminal or command prompt:

**node -v**

**npm -v**

**2. Install Create React App (Optional, if not using npx)**

* You can use **Create React App** (CRA) to quickly set up a React application.
* CRA can be installed globally (but not required if using npx):

**npm install -g create-react-app**

* However, you can create a React app using npx without the need to globally install create-react-app.

**3. Create a New React App**

* To create a new React app, use one of these commands:
* Using npx (recommended):

**npx create-react-app my-app**

Replace my-app with your preferred project name.

* Using create-react-app (if installed globally):

**create-react-app my-app**

This command will create a new directory named my-app, install all necessary dependencies, and set up a basic React app structure.

**4. Navigate to the Project Directory**

* After the app is created, navigate into the project directory:

**cd my-app**

**5. Start the Development Server**

* To run the React app and start a development server:

**npm start**

* This command will:
  + Start a development server on **http://localhost:3000**.
  + Automatically open your default web browser with the app running.

**6. Editing the App**

* You can now start editing the React app files. Open the project directory in your code editor (e.g., **VS Code**).
* The main file to begin editing is src/App.js. Any changes you make will automatically be reflected in the browser.

**7. Build the Project for Production (Optional)**

* When you're ready to deploy your app, you can build a production-ready version of the app:

**npm run build**

This will create a build folder that contains optimized static files for deployment.

**8. Install required dependencies to run the project**

* npm install react-router-dom
* npm install @mui/material @emotion/react @emotion/styled
* npm install @mui/icons-material