

Store Management Application

In This Store Management Application, we will perform all CRUD operations in React project to understand the implementation of real-time projects.

Step 1. Create React Project With the title 'store-management-App'.

```
Microsoft Windows [Version 10.0.22631.3880]
(c) Microsoft Corporation. All rights reserved.

D:\demo>npx create-react-app store-managment-app
```

Step 2. Once the project is created by CRA then move cmd to the project directory.

```
cd store-managment-app
npm start

Happy hacking!

D:\demo>cd store-managment-app
```



Step 3. Use 'code .' command to launch VScode ide into the project directory.

```
We suggest that you begin by typing:

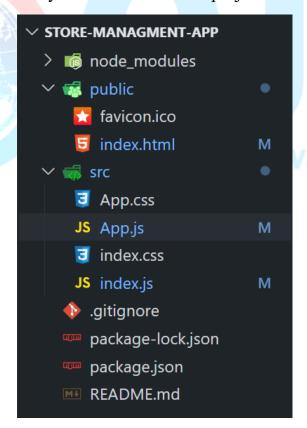
cd store-managment-app
npm start

Happy hacking!

D:\demo>cd store-managment-app

D:\demo\store-managment-app> code .
```

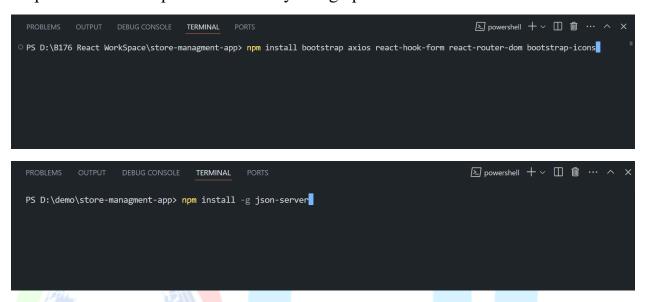
Step 4. Remove unnecessary files and code form project.



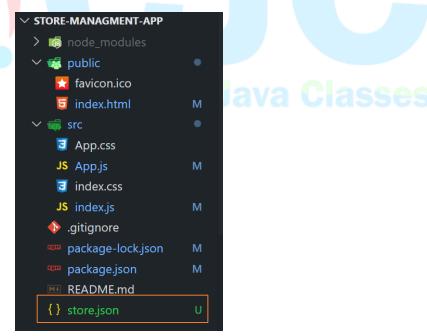
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Step 5. Install all required libraries by using npm command as bellow.



Step 6. Create dummy data base in store.json file.



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Step 7. In strore.json add some dummy data as shown below.

Complete Java Classes

Step 8. In package json add running script for the json-server.

```
"scripts": {

"start": "react-scripts start",

"build": "react-scripts build",

"test": "react-scripts test",

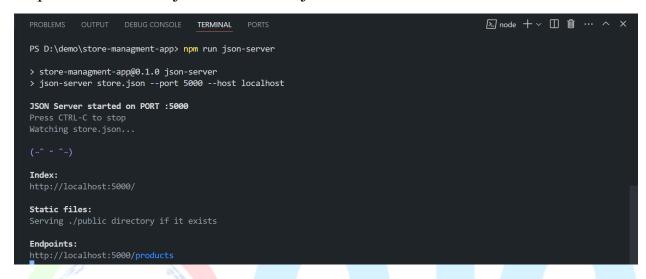
"eject": "react-scripts eject",

"json-server":"json-server store.json --port 5000 --host localhost"

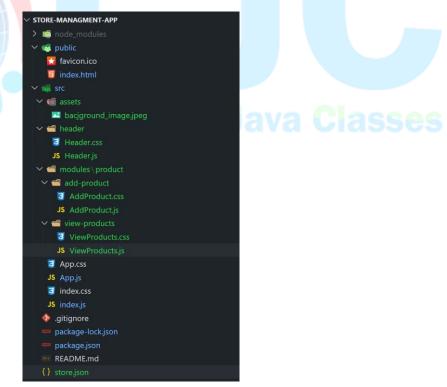
},
```



Step 8. Run the store.json database on json-server.



Step 8. Create required folder structure and files in src directory. (assets for images)



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Step 9. Configure bootstrap and bootstrap-icons library.

Step 9. In Header.js create Header component as shown below.

```
JS Header.js U X
src > header > JS Header.js > ♦ Header
       import React from 'react'
       import { Link } from 'react-router-dom'
       function Header() {
           <div>
             <nav className='bg-primary d-flex p-2 ps-3'>
               <div className='w-50'>
                 <h1 className='text-white'>
                   <i class="bi bi-shop"></i></i>
                 </h1>
               <div className='w-50 text-end me-5 mt-2'>
                 <Link className='btn btn-light me-4' to={'/add'}>Add Product</Link>
                 <Link className='btn btn-light ms-4' to={'/view'}>View Products</Link>
               </div>
             </nav>
           </div>
```



Step 10. Add the selector of Header component in App component as children of BrowserRouter components.

Step 11. Create AddProduct component as below.

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Step 12. Create ViewProducts component as below.

Step 13 In App component add routs for AddProduct component and ViewProducts component as define into the Link component.

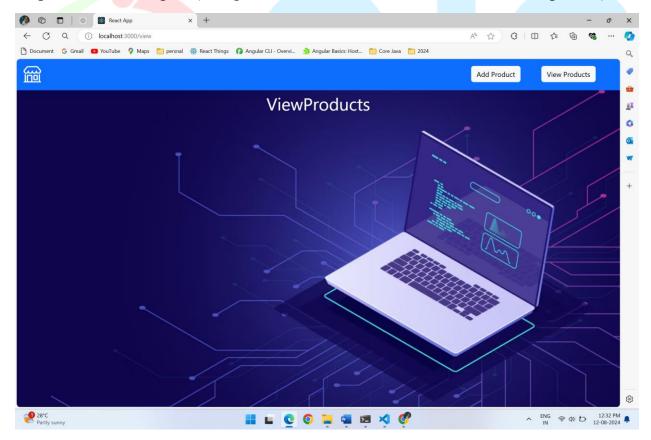
```
JS App.js M X
       import './App.css';
       import { BrowserRouter, Route, Routes } from 'react-router-dom';
       import Header from './header/Header';
       import '../node_modules/bootstrap/dist/css/bootstrap.css'
       import '../node_modules/bootstrap-icons/font/bootstrap-icons.css'
       import './modules/product/add-product/AddProduct';
       import AddProduct from './modules/product/add-product/AddProduct';
       import ViewProducts from './modules/product/view-products/ViewProducts';
           <div>
             <BrowserRouter>
                 <div className='App'>
                  <Route path='/add' element={<AddProduct />} />
                 </Routes>
                 </div>
              </BrowserRouter>
           </div>
       export default App;
```

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Step 14. In App.css file change '.App' class as bellow.

Step 15. Check Output. (navigate to AddProduct & View Products Component)



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Step 16. Create Product registration form in AddProduct component and save the product details into the database by consuming post API using axios.



Step 16. Create table in ViewProducts component to render the product details from the database by consuming get API using axios.



Complete Java Classes