**Pro-Cart Application (MERN)**

**Client – Application**

1. **React JS**
2. **React Redux**
3. **React Hooks**
4. **Bootstrap**

**Back-end Application**

1. **Node JS**
2. **Express Js**
3. **Mongo DB (Local and Cloud)**

**Folder Structure**

Install React

|  |
| --- |
| **npx create-react-app client**  **cd client**  **npm start** |

Client NPM Packages

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| --- | --- |
| **NPM Package** | **AXIOS**  **React-router-dom**  **Redux**  **React-redux**  **Redux-thunk**  **Redux-logger**  **Redux-devtools-extension**  **Mdbootstrap**  **bootstrap** |
| **How to install on go?** | **Npm install axios react-router-dom redux redux-thunk redux-logger redux-devtools-extension mdbootstrap bootstrap** |

**Backend-npm package**

* **Npm init -y**

|  |  |
| --- | --- |
| **NPM Package** | Express  Bcryptjs  Cors  Dotenv  Express-validator  Jsonwebtoken  Stripe/razorpay  Morgan  chalk |
|  | Npm install express bcryptjs cors dotenv express-validator jsonwebtoken |

**React Modules:**

* **User Module**
* **Product Module**
* **Payment Module**
* **Order Module**

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| --- | --- |
| **User Module** |  |
| **API** |  |
| **Registration** | [**http://Localhost:8000/user/register**](http://Localhost:8000/user/register) |
| **Login** | **/user/login** |
| **user** | **/user/** |

1. **Create Express App**
2. **How to start backend app**
3. **How to read configuration settings**
4. **How to implement Routing in Experss**

**File – App.js**

1. **Creating Express App and Connecting Mongo DB**