Brains Kart Application (MEAN)

Client-side Technologies

Angular + NGRX + Bootstrap

Server-Side Technologies

Node JS + Express JS + MongoDB

Folder Structure

BrainsKart

-> client

-> Client Code

-> server Code

Client Configuration

-> Create an Angular Application "client" -> ng new client

Angular Modules

products , orders , users

ng generate module products --route products --module app.module

ng generate module orders --route orders --module app.module

ng generate module users --route users --module app.module

-> each module have its own things

components ,

services ,

interceptors ,

guards ,

models ,

actions ,

reducers ,

effects

-> Users Module :

components : login , register , profile

services : user.service

-> Products module :

components : mens-wear , kids-wear , women-wear, upload , product-details

services : product.service

-> Orders module :

components : cart , checkout , order-list , order

services : order.service

Server Configuration (Express + MongoDB)

|  |  |
| --- | --- |
| Modules | Details |
| Modules | bcryptjs ,  cors ,  dotenv ,  express ,  express-validator ,  gravatar ,  jsonwebtoken,  mongoose,  stripe |
| npm install bcryptjs cors dotenv express express-validator gravatar jsonwebtoken mongoose stripe | |

REST API Configuration

Routers : userRouter , productRouter , paymentRouter , orderRouter

User Router

|  |  |
| --- | --- |
| 1. Register a User |  |
| URL | /user/register |
| Fields | Name , email , password, confirm Password |
| Method | POST |
| Access | PUBLIC |

|  |  |
| --- | --- |
| 2. Login a User |  |
| URL | /user/login |
| Fields | email , password |
| Method | POST |
| Access | PUBLIC |

|  |  |
| --- | --- |
| 3. Get User Info |  |
| URL | /user/ |
| Fields | No-fields |
| Method | GET |
| Access | PRIVATE |

|  |  |
| --- | --- |
| 4. Create / Update Address |  |
| URL | /user/address |
| Fields | flat , street , landmark , city , state , country , pin , mobile |
| Method | POST |
| Access | PRIVATE |

Product Router

|  |  |
| --- | --- |
| 1. Upload a Product |  |
| URL | /product/upload |
| Fields | name , brand , price , qty , image , category , description , usage |
| Method | POST |
| Access | PRIVATE |

|  |  |
| --- | --- |
| 2. Get Men’s Collection |  |
| URL | /product/men |
| Fields | No-fields |
| Method | GET |
| Access | PUBLIC |

|  |  |
| --- | --- |
| 3. Get Women’s Collection |  |
| URL | /product/women |
| Fields | No-fields |
| Method | GET |
| Access | PUBLIC |

|  |  |
| --- | --- |
| 4. Get Kid’s Collection |  |
| URL | /product/kids |
| Fields | No-fields |
| Method | GET |
| Access | PUBLIC |

|  |  |
| --- | --- |
| 5. Get a Product |  |
| URL | /product/:id |
| Fields | No-fields |
| Method | GET |
| Access | PUBLIC |

Order Router

|  |  |
| --- | --- |
| 1. To Place an Order |  |
| URL | /order |
| Fields | Items , tax , total |
| Method | POST |
| Access | PRIVATE |

|  |  |
| --- | --- |
| 2. To Get All Orders |  |
| URL | /order/all |
| Fields | No-fields |
| Method | GET |
| Access | PRIVATE |

Payment Router

|  |  |
| --- | --- |
| 1. Accept Stripe Payments |  |
| URL | /payment/pay |
| Fields | Product , token |
| Method | POST |
| Access | PRIVATE |

Database Configuration

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
| Database Name | brains-kart-02-aglr-evng |  |  |
| Tables | Orders | Products | Users |
| Orders Table | Name , email , mobile , items [ name, qty , price] , tax , total , created | | |
| Products Table | Name , brand , price , qty , image , category , description , usage , created | | |
| Users Table | Name , email , password , avatar , isAdmin , created ,  Address : [flat , street , landmark , city , state , country , pin , mobile ] | | |