E-commerce project

1.Icreated two folders frontend and backend..

3.There are 3 models user model,Product model and order model created by using mongoose schema.

3.I created all APIS for admin,user and seed user and seed products.I created 15 seed products in the form of array.And there are seed users also created.IN these sedd users I created one user named “monali “ who is admin .To distinguish between users and admin I created one field named “isAdmin” in user schema.If user is admin it is set to true else false.

4.There different methods like registerUser,loginUser, getAllProducts, getProductById, addOrderByuserId ,getAllOrdersByUserId, getCategoryProducts are created.

5.Also API for addproduct,editproductbyId,deleteproductbyId also implemented.

6.In frontend first UIfor registration is completed .When user click on signup button axios.post is called to send data to backend.If user is already signed up then user can go to login page.

6.Header and footer components are created which are common in all pages.In header if user is not logged in login button is displayed else If for logged user logout button is displayed.Also there is profile button to show users information

7.If logged user is Admin then admin dashboard is displayed containing nav bar of add product and manage products.By clicking add product admin can add product to database.In manage product admin can update or delete product data.

8.I used carousal also for better look.All products page display all products .TO display products I used grid and card of bootstrap.When user click on name of product then that product details are displayed.In card there is button add to card .When user click on that ,that particular item is inserted into cart.

9.For cart state maintainance I used redux store.In itemreducer there are 4 switches add\_item,remove\_item,decrement\_quantity,clear\_cart. In add\_item I first check weather receiver cart is already exists in redux store by using ids of redux store items(state.items) and received item(action. Payload.id) const cartItemIndex = state.items.findIndex( item) => item.id === action.payload.id);And if cartItemIndex is 0 then store in redux otherwise increment quantity of product.Similarly I check products quantity while decrementing quantity from cart.

10.Cart page is shows cart products.There are buttons to increment and decrement quantity quantity of products.If product quantity is 1 and user click on decrement button then that item get removed from cart.Also cart image in header shows number of present cart items.It get updated immediately as user add or remove cart item .I used localstorage also towork things properly.

11.Even when user refresh page cart items and number of cart items showd in header section remains as it is(not get deleted..state is maintained).

12.When user click checkout button address is displayed to confirm.After confirming address page is redirected to next page for payment.Here I have given two options paypal or cash on delivery.After doing payment user redirected to allproducts page.

13.Files in this case images of products also uploaded and downloaded by using multer.Input type file is used to open file directory to select file from computer.Files are uploaded in uploads folder .