Name : K.Vishal Kumar

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Project : E - commerce project

Backend Assignment

**Thought Note**

1. In this project I used cloudinary for photos uploading, react-toastify for showing error and success meesages, Stripe for doing payments, implemented sorting, searching and filtering functionalities and dynamic routing implementation.

2. Created a signup page and implemented its backend.

3. Created a signin page and implemented its backend.

4. Frontend Functionalities :

* Customer / User functionalities:

1. Profile screen – it contains user details along with his order history

2. Edit Details – A logged in user can edit his individual details.

3. Order Items – A user can be able to order items from store and adding them to cart and use stripe as payment method to pay for his order.

* Product functionalities :

I implemented all products in store and added sorting filtering and searching functions such that any user visiting the store will be able to get his preferred clothes either as kids male or female or based on price or any particular clothing name through search bar.

* Admin functionalities :

1. Users : an admin can add, remove and edit any user details and can make or remove him from admin using the toggler used in the form to edit user details hence, a admin can make any user admin or remove someone from being admin without visiting the database and changes will be reflected in database.

2. Products : an admin can add, remove and edit any products and set category such that other users can can filter it on basis of category.

3. Orders : an admin can view all orders but I have implemented backend for order manipulation but couldn’t implement it in frontend because I was running late of time for submission.

4. Created a cart screen where all the items added for ordering will be displayed and then shipping screen comes where user enter his shipping details and then checkout screen comes for payment the button has to be clicked for two three times or more such that the card details entering form appears it might take some time but there is no error there as the payment is being carried out I attached the screenshot of my payment being done incase any error occurs.

5. I used redux to implement cart functionalities.

5. Backend Functionalities :

* user : signin, signup, getallProducts, getorders
* admin : add products, edit products , remove products and add users, remove users, edit users and also view all users and products in tabular form.
* seed routes : as mentioned I created a seed route to seed products and users but haven’t implemented it into the server because I used admin functions to add users and products into the server.

6. I have implemented all the features that were mentioned in the e-commerce project features sheet (except for product rating feature) and in extra features I implemented sorting, pagination, filtering, uploading images in cloudinary, implementing authorization. I could'nt implement nodemailer for forgot password and contact thorough email because of submission delay.

7. while logging out the footer may still remain but if refreshed it will be removed it will be be visible only when user is logged in even if user is logged out and footer remains visible the user will not be able to visit the routes until and unless he logs in again.

8. The card payment used is Stripe

card number : 4000 0035 6000 0008 (INR card details)

Cvc : any three digit number and Date should be anything from future month and year.

9. All orders will be successfully added to server as I completed the whole order implementation in backend but in frontend I did only get all orders for admin and create order for user due to submission delay I could not implement all the functionalities to the fronted but in backend all are done.