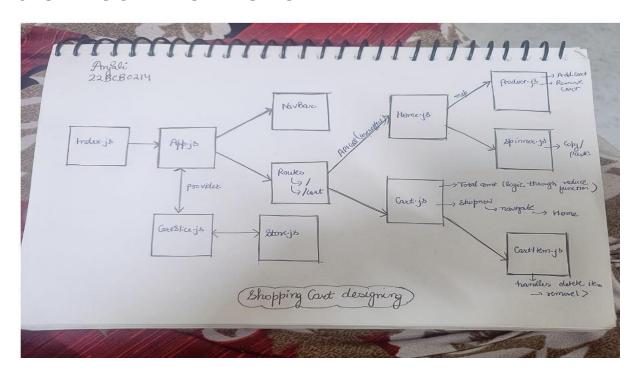**NAME:ANJALI**

REGISTRATION NUMBER:22BCB0214

SHOPPING CART WORKING FLOW:

Working:

Home Page (Home.js):

- Fetches product data from the Fake Store API using fetchProductData function.

- Displays a loading spinner while waiting for the API response.

- Once the data is fetched, it maps through the products and renders each product using the Product component.

- If no data is fetched or an error occurs, it displays a message indicating no data found.

Product Component (Product.js):

- Renders each product fetched from the API.

- Displays the product title, description, image, and price.
- Provides buttons to add the product to the cart or remove it if it's already in the cart.

- Dispatches actions to add or remove the product from the Redux store when the corresponding buttons are clicked.

Cart Page (Cart.js):

- Retrieves the cart items from the Redux store using useSelector.

- Calculates the total amount of items in the cart and updates it whenever the cart changes.

- Renders each item in the cart using the CartItem component.

- Displays the total number of items in the cart and the total amount.

- Provides a button to proceed to checkout.

Cart Item Component (CartItem.js):

- Renders each item in the cart.

- Displays the item's image, title, description, price, and a button to remove it from the cart.

- Dispatches a remove action when the remove button is clicked.

Navbar Component (Navbar.js):

- Displays a navigation bar with links to the home page and cart page.

- Shows the number of items in the cart next to the cart icon.

- Updates the cart icon dynamically based on the number of items in the cart.

Redux Store (redux folder):

- Uses Redux Toolkit to configure the Redux store.

- Defines a slice for the cart with actions to add and remove items from the cart.

- Reducer manages the state of the cart items.