REACT JS Assignment

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# Instructions To RUN and TEST

Inside the "shoppingcart" react project open two terminals

To run the data server: This will start the fake data server on port 3004

```
npm run data
```

To run the react app: This will start the application on port 3000

```
npm start
```

To run the test cases: This will run the test cases for the application

```
npm test
```

NOTE : TO LOGIN in the application use any CREDENTIALS IN THE PROFILES SECTION OF THE data.json.
Eg .

username : admin
Password: admin

# Application Features

- All given in the assignment including pagination(4 items per page, total 10 in the json file)

Additional features

1. Pop up time out notification on addition of item in cart
2. Discount and Type discounts on items : Discount is an individual item discount to be calculated, type discount is added on adding any item of type "touch" in the data.json. This is not visible to the user as it is an extra discount by the website and added only once if any item added to cart is of "touch" type, only visible on cart page.
3. Go to Cart Button and items in the cart hidden from the user till any items are added to the cart.

# Use of REDUX (Store, reducers, Actions, ActionTypes)

Redux is used for state management, with the help of the middleware thunk. There are two main reducers **productReducer** and **cartReducer** combined to provide the functionality to update the React store. There are various Action types global to the application for use, with respective actions which are dispatched.

# Use of Context-API

React Context are used to manage the **loggedIn** functionality of the application. Provided at the Dashboard to all its children to consume.

# Use of localstorage

Browser's local storage is used to enable no data loss on refresh. The cart items in a user's basket and the user logged in are saved in this storage. **The Redux store and the Context initial value are initialized keeping local storage into consideration.**