BESTENLIST REACT INTERNSHIP

PROJECT TITLE: React e-commerce website.

- technology used:

- React: Components, Props, Events, Hooks, Router, Axios
- Redux: Store, Reducers, Actions
- Node & Express: Web API, Body Parser, File Upload, JWT
- MongoDB: Mongoose

Project description:

- Create Admin User

- Run this on chrome: http://localhost:5000/api/users/createadmin
- It returns admin email and password

-Login

- Run http://localhost:3000/signin
- Enter admin email and password and click signin

- Create Products

- Run http://localhost:3000/products
- Click create product and enter product info

[- Create React App]

This is about the frontend. I used React library to build the UI elements.

[- Render Products]

This is the home page of e-commerce. It shows a list of products.

[- Product Details]

When the user clicks on a product there should a page to show details about that product. making an attractive details page.

[- Create Node Server]

About Node and Express. They are the popular framework to create a web server using JavaScript language. create a MongoDB database and save and retrieve the admin user.

[- Fetch Server Data]

I used React Hooks to fetch data from the server. use the axios library to do this job in a modern async/await style.

[- Manage State With Redux]

When it comes to handling multiple forms with their data nothing is better than state management. I used Redux to handle complex state and keep the app behavior predictable.

[- Add Redux To Details]

 move the details page state to Redux. create reducers then define actions and connect them to the details component.

[- Shopping Cart Screen]

Shopping Cart is the heart of any e-commerce website.I create a user-friendly shopping cart using React and Redux.

[- Connect MongoDB]

 persisting data on the MongoDB database.I use mongoose package to create models and save and retrieve data from the database.

[- Sign In User]

 need to register the user before redirecting them to the checkout. create forms for getting user info and save them in the database.

[- Manage Products]

Admin should be able to define products and update the count in stock whenever they like. This page is about managing ECommerce products.

[- Checkout Wizard]

I implement the checkout wizard including sign in, shipping info, payment method, and place order.

Part 18- Order Details Screen

It shows all details about an order including shipping, payments and order items. Also it is possible for admin to manage orders like set them as delivered.

Part 19- Connect to PayPal

This parts create PaypalButton component to show paypal payment button on the screen.
when users click on it, they will be redirected to paypal website to make the payment.
after payment users will be redirected to details page of the order.

Part 20- Manage Order Screen

This is an admin page to manage list of orders. Admin can delete an order or set it as delivered.

Part 21- User Profile Screen

When user click on thier name on the header menu, this page appears. It consists of two sections. First an profile update form and second order history.

- Filter and Sort Products

In the home page, right after header, there is a filter bar to filter products based on their name and description. also it is possible to sort product based on prices and arrivals.

- Rate and Review Products

This part shows list of reviews by users for each products. also it provides a form to enter rating and review for every single product. also it update the avg rating of each product by user ratings.