E Commerce Website PPT Contents

Points:

1. What we're making

Our team is responsible for coding out the entire architecture of an e-commerce website.

Our website is named *checkout*. Here anyone can add a request to the checkout admin to become a seller and sell products with ease.

Becoming a customer is even easier, all you have to do is register with your basic details and you'll be a member in seconds.

2. Group Members

Our group consists of:

a. Omar Mahmood   -> Backend Development
b. MD Fahad   -> Frontend Development
c. Afroz Aman   -> Quality Assurance

3. Roles of each member

MD Fahad (Frontend) is responsible for coding out responsive HTML webpages with the help of HTML, CSS, JS, Bootstrap and React.js

Omar Mahmood (Backend) is in charge of connecting the frontend pages to the server and creating all the required features.

Afroz Aman (QA) is responsible for testing out the features and pages and find and report the bugs and inconsistencies found.

4. Tools and frameworks that we're using

We're using the MERN stack which stands for:

M: MongoDB
E: Express.js
R: React.js
N: Node.js

MERN stack is used for creating full stack applications. The MERN architecture allows us to easily construct a three-tier architecture (front end, back end, database) entirely using JavaScript and JSON.

MongoDB

If our application stores any data (user profiles, products, reviews, etc.), then we need a database. This is where MongoDB comes in.

Express.js

Express is a Node.js framework. Rather than writing the code using Node.js and creating loads of Node modules, Express makes it simpler and easier to write the back-end code.

Node.js

Node.js provides a JavaScript Environment which allows the user to run their code on the server (outside the browser).

React.js

React is a JavaScript library that is used for building user interfaces. React is used for the development of single-page applications and mobile applications because of its ability to handle rapidly changing data.

5. UI samples

Images to be attached

6. Features

User Authentication

All users have to go through authentication and won't be able to access level-2 pages as guest.

As a guest they can only browse through the products.

Three user levels

a. **Seller**

Seller has the permissions to add products, remove products, update the price of the product. Seller after successful authentication will be greeted with a dashboard indicating sales, profits, reviews and queries.

To become a seller one has to contact checkout admin and get an approval, only post approval can they start adding products.

b. Customer

Customer after successful authentication can add items to cart and buy products, leave reviews, ask queries. Customers don't need any approval.

c. CheckOut Admin

Checkout Admin after successful authentication can remove products, ban sellers, approve sellers, remove queries and ban customers.