E-commerce Application

CS213 Project

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1 Problem Statement

Many E-commerce applications, such as Flipkart and Amazon, are active in the Indian market. We aim to develop a web application wherein users can shop for various goods and services online.

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3 Features

Since the users will comprise two groups, buyers and sellers. The web application will have two interfaces, one for buyers and the other for sellers.

3.1 Buyer interface

- Buyers can sign-up for the first time using a valid username and password.

- Once a valid username and password are created, the buyer can login and see various recommendations on the homepage.

- Buyers can also search for a particular product in the search bar.

- On selecting a particular product, its details will be shown on a new page, and it can be added to the cart.

- The cart will show all the added products and a payment option with a summary of the order.

3.2   Seller interface

- The Seller can sign-up for the first time using a valid username and password.

- Once a valid username and password are created, the Seller can login and add various products.

- The seller can also initiate delivery for various items.

3.3   Miscellaneous features

- The website will also have a payment module with functionalities like the authentication of the user, session management,and email from the web app post transaction indicating success or failure.

- The MySQL database will have the following tables.

  - Products Table - holds product information like product name, description, unit price, seller id, and product id.

  - Buyers Table - holds information like shipping address, billing address, name, and customer id.

  - Order Details Table - holds information on each product ordered, quantity, unit price, and any discounts.

  - Payments Details Table - holds information on payment id, producer id, customer id, payment type, and date.

  - Order Table - holds information on the order date, delivery date, and order status(in transit, delivered, shipping).

  - Sellers Table - holds information on seller id, product id, and current orders.