

Online Marketplace Database Management System

Background

Online marketplaces have grown incredibly popular recently since they connect consumers and sellers from different industries and offer a practical platform for e-commerce. These marketplaces provide a wide range of goods and services, including everything from fashion and technology to homemade crafts and digital downloads. To handle user accounts, product listings, transactions, and user interactions, effective data management systems are now required due to the online marketplace exponential expansion. In order to meet the various needs of buyers and sellers in a constantly changing digital marketplace environment, this project intends to design and construct a thorough online marketplace database system.

Mission Statement/Objectives

- Implement a user registration to ensure only approved users can access the online marketplace.
- To develop a feature that allows merchants to build complete product listings that include names, descriptions, images, prices, and categories.
- Create a shopping cart system that allows customers to add multiple items, view the goods in their cart, and continue shopping.
- To integrate a secure payment gateway with well-known payment methods that allow customers and various business owners to make safe transactions.
- To Analyze the database's scalability and overall efficiency to make sure it can manage an expanding user base and heavy transaction loads while maintaining its performance effectively.
- Implement a rating and review system that allows customers to rate and post comments on merchants and their products.
- Create an administrator dashboard that consists of tools for keeping track of user activity, managing listings, and enforcing marketplace rules.