**G.L. BAJAJ INSTITUTE OF TECHNOLOGY &**

**MANAGEMENT**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

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**Redstore E-commerce website**

A Synopsis Submitted

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By

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**Synopsis**

1. **Introduction**

The e-commerce mini project is a web-based application that allows users to purchase products online. The application is designed to provide a user-friendly interface that makes it easy for customers to browse through products, place orders, and make payments.

The project is built using a combination of HTML, CSS programming languages. It also includes different pages to show information about products, customers, orders, and payments.

The application includes the following features:

1. Product Catalog: Customers can browse through a list of products, view their descriptions, and add them to their cart.
2. Shopping Cart: Customers can view the items they have added to their cart and make changes to their order before proceeding to checkout.
3. Checkout: Customers can enter their shipping and billing information, select a payment method, and confirm their order.
4. Order Management: The application allows administrators to view and manage orders, update the order status, and generate reports.
5. Payment Gateway: The application integrates with a payment gateway to enable secure online payments.

Overall, the e-commerce mini project is a simple but robust system that provides a seamless shopping experience for customers and efficient order management for administrators.

1. **Objective**

The primary objective of the ecommerce mini project is to provide a user-friendly and secure platform for online buying and selling of products. The project aims to create a convenient and efficient solution for users looking to engage in ecommerce activities.

The specific objectives of the project are:

1. To provide a comprehensive product catalog: The application offers a wide range of products organized into categories to help buyers find the items they are looking for. The product catalog is regularly updated to provide the latest products available in the market.
2. To create a user-friendly interface: The project aims to create an intuitive and easy-to-use interface that enables users to complete transactions efficiently. The application includes features such as search, shopping cart, checkout, and messaging to facilitate user engagement.
3. To promote transparency and accountability: The application includes advanced functionality such as product reviews and ratings to promote transparency and accountability among sellers. This helps buyers make informed decisions and promotes seller reputation.
4. To ensure security and privacy: The project prioritizes security and privacy to protect user data and prevent fraudulent activities. The application uses industry-standard encryption and secure payment gateways to ensure that transactions are conducted in a secure and safe environment.
5. To provide a platform for sellers to reach potential buyers: The project offers a platform for sellers to showcase their products and reach potential buyers. Sellers can create their own profiles, manage their inventory, and communicate with buyers through a messaging system.

Overall, the ecommerce mini project aims to provide a comprehensive solution for online buying and selling of products. The project's objectives are aligned with the needs of users, and the application is designed to provide a convenient, efficient, and secure platform for ecommerce activities.

1. **Motivation**

* The ecommerce industry is growing rapidly: Ecommerce has been growing at a rapid pace in recent years, with more and more people turning to online shopping. By creating an ecommerce website, you can tap into this growing market and potentially reach a large audience of potential customers.
* To gain experience with web development: Creating an ecommerce website can be a great way to gain experience with web development. You can learn about web design, development, and programming, as well as gain experience working with databases and back-end systems.
* To showcase your skills to potential employers: If you're looking to build a career in web development or related fields, creating an ecommerce website can be a great way to showcase your skills to potential employers. You can include the project in your portfolio, and discuss the challenges and solutions you encountered during the development process.
* To build a side business or generate income: If you're interested in starting a side business, an ecommerce website can be a great way to get started. You can create an online store and sell products that you're passionate about, or explore dropshipping options. Alternatively, you can use the website to generate income through advertising, affiliate marketing, or other revenue streams.

To provide a valuable service to users: Finally, creating an ecommerce website can be a rewarding way to provide a valuable service to users. By creating a user-friendly and secure platform for buying and selling products, you can help people find the products they need and connect with sellers they can trust**.**

1. **Related work**

There have been numerous related works to ecommerce website development over the years. Here are a few examples:

* Amazon: Amazon is one of the largest ecommerce websites in the world, offering a wide range of products and services to customers around the globe. The website is known for its user-friendly interface, personalized recommendations, and fast shipping.
* Shopify: Shopify is a popular ecommerce platform that allows businesses to create and manage their own online stores. The platform provides a wide range of features, including inventory management, payment processing, and customer relationship management.
* Etsy: Etsy is a popular ecommerce website that specializes in handmade and vintage items. The website allows artists and creators to showcase their products and reach a large audience of potential buyers.
* eBay: eBay is a popular online marketplace that allows users to buy and sell a wide range of products. The website is known for its bidding system, which allows users to bid on items and potentially secure them at a lower price.
* AliExpress: AliExpress is a popular ecommerce website that specializes in inexpensive products from China. The website offers a wide range of products, from clothing to electronics, at very low prices.

These are just a few examples of related works to ecommerce website development. Each website has its own unique features and strengths, and there are many different approaches to ecommerce website design and development. By studying these related works, you can gain insights into best practices and potential pitfalls to avoid when creating your own ecommerce website.

1. **Proposed Method**

The proposed method for an ecommerce website project can vary depending on the scope and requirements of the project. However, here is a general overview of the key steps involved in creating an ecommerce website:

1. Design: The design phase involves creating the look and feel of the website. This may involve creating wireframes, mockups, and prototypes of the user interface, as well as selecting a color scheme, typography, and other visual elements.
2. Development: In the development phase, the website is built and programmed. This involves coding the front-end of the website.
3. Testing: In the testing phase, the website is tested to ensure it functions correctly and is free of errors. This may involve manual and automated testing, as well as user testing and feedback.
4. Maintenance: Finally, the maintenance phase involves ongoing support and maintenance of the website. This may involve monitoring performance, resolving technical issues, updating content, and making changes to the website based on user feedback.

Overall, the proposed method for an ecommerce website project will depend on the specific requirements and goals of the project. However, by following these key steps, you can ensure that your ecommerce website is well-designed (frontend), functional, and able to meet the needs of your users.

1. **Plan of Work**

The ecommerce mini project is a web-based application that allows users to buy and sell products online. The project is designed to provide a convenient and user-friendly platform for buyers and sellers to interact with each other and conduct business transactions.

1. **References**

* WooCommerce - WooCommerce is an open-source plugin for WordPress that allows you to create a fully functional ecommerce website.\
* Visualstudio code
* Codestudio (html,css)
* Google pic website: for logos and pics