

ONLINE SHOPPING STORE

OUTLINE:

The project is planned to create a Responsive E-Commerce Website for Medical Products which is an E-Commerce platform for buying Medical Products. The goal is to develop a user friendly and secure platform for the customers to buy products related to Ayurveda, Homeopathy, Home Prepared Medicine, Naturopathy and Traditional Chinese medicine.

OBJECTIVES:

The objectives of the project are:

- (1) User-Friendly Interface: Design the website or app with a user-friendly interface that makes it easy for customers to navigate, search for products, and make purchases. Clear categories, intuitive menus, and a responsive layout are crucial for a positive user experience.
- (2) Mobile Compatibility: Ensure that the online store is optimized for mobile devices since a significant portion of online shopping now occurs on smartphones and tablets. A mobile-responsive design and a dedicated mobile app can improve accessibility and engagement.
- (3) Product Catalog Management: Create a well-organized product catalog with detailed descriptions, high-quality images, and filtering options to help customers find what they're looking for quickly. Implement inventory management systems to track stock levels and update product availability in real-time.

- (4) Secure Payment Gateway: Implement a secure payment gateway to provide customers with a safe and seamless checkout process. Support for various payment methods (credit cards, digital wallets, etc.) are essential for protecting sensitive financial information.
- (5) Efficient Order Management: Develop efficient order management systems to handle order processing, fulfillment, and Billing.

USES OF ONLINE SHOPPING STORE:

An online shopping website serves as a digital platform where consumers can browse, select, and purchase products or services from the comfort of their own homes or anywhere with an internet connection. Here are some key uses and benefits of online shopping websites:

1. Convenience: Online shopping offers unparalleled convenience, allowing users to shop 24/7 without the need to visit physical stores. Make purchases at their convenience, saving time and effort.
2. Accessibility: Online shopping websites break down geographical barriers, enabling users to access products and services from around the world.
3. Variety and Selection: Online shopping websites typically offer a vast selection of products across various categories, ranging from electronics and clothing to groceries and specialty items.
4. Price Comparison: Users can easily compare prices across multiple online retailers to find the best deals and discounts.
5. Convenient Payment Options: Online shopping websites offer various payment options, including credit/debit cards, digital wallets, and online payment platforms like PayPal. This flexibility allows users to choose the payment method that suits them best and ensures secure transactions.

MAIN FEATURES:

The features to be included in the shopping store are:

- (1)User authentication and registration: User registration provides a unique identity to each user, enabling personalized interactions and content delivery. verifying the identity of a user attempting to access a system or platform. Typically, authentication involves comparing the credentials provided by the user (e.g., username/email and password) with the stored credentials in the database.
- (2)Product Category, Product name, pricing and their description: The Products are displayed based on the selection of the product category which is shown in the website. The products are shown with an image, small description and price. After clicking of the product there will be total information about the Product, adding it to the cart.
- (3)Product addition, removal and quantity input to the cart: A Customer can add a product to the cart, remove from the cart.

FEAUTURES TO BE ADDED SOON:

- (1)Billing and Invoice: The software automates billing by generating invoices for products with different uses. If possible, in real time, integrate with payment gateways (e.g., Stripe, PayPal) to process payments securely.

- (2) Mobile Compatibility: Ensure that the online store is optimized for mobile devices since a significant portion of online shopping now occurs on smartphones and tablets. A mobile-responsive design and a dedicated mobile app can improve accessibility and engagement.

METHODOLOGY:

Agile framework will be followed throughout the project. The development cycle will be:

- (1) Ideation and planning
- (2) Design and development
- (3) Testing and modifications
- (4) Deployment and review

SOFTWARE UTILIZATION:

Following software are to be utilized in develop the application:

- (1) Front end development: HTML, CSS, Angular and JavaScript.
- (2) Back end development: Java
- (3) Database Management: MySql
- (4) Deployment: Visual Studio Code
- (5) API: Spring Tool Suite
- (6) Version Control: Github

CONCLUSION:

In conclusion, establishing an online shopping store involves a multifaceted approach aimed at delivering a seamless and secure shopping experience to customers. By prioritizing user-friendly interface design, mobile compatibility, efficient order management, secure payment gateways, businesses can create a robust e-commerce platform poised for success in the digital marketplace. Ultimately, meeting these objectives not only enhances customer satisfaction and loyalty but also contributes to the sustainable growth and competitiveness of the online shopping store in an increasingly dynamic and competitive landscape.