

REPORT

On

E-commerce Website

Introduction

An eCommerce website allows people to buy and sell products online through the internet. It is built using several web technologies that work together to create a smooth and interactive shopping experience. HTML is used to design the basic structure of the website, such as product listings, buttons, and forms. CSS styles the website, adding colors, layouts, and fonts to make it visually appealing. JavaScript brings interactivity by handling tasks like adding products to the cart, showing image sliders, or filtering products. PHP is a server-side scripting language that helps manage the website's logic and connect it to a database. It handles important tasks like user login, storing orders, and displaying dynamic content. A database such as MySQL is used to store and retrieve information about products, users, and transactions. All these tools work together to build a secure, user-friendly, and dynamic eCommerce platform. Creating such a website is a great way to understand how front-end and back-end development work in real-life projects.

Tools used

HTML (HyperText Markup Language)

- Used for creating the structure and layout of web pages.

2. CSS (Cascading Style Sheets)

- Used for styling the website (colors, fonts, layout, responsiveness).

3. JavaScript

- Adds interactivity such as sliders, dropdowns, form validation, and dynamic updates.

4. PHP (Hypertext Preprocessor)

- A server-side scripting language used to handle backend operations like user login, database interaction, and order processing.

5. MySQL

- A relational database system used to store data like products, users, orders, and reviews.

6. XAMPP / WAMP / LAMP

- Local development servers that include Apache, MySQL, and PHP for testing the site on your computer.

7. VS Code / Sublime Text / Notepad++

- Text editors or IDEs used to write and manage code.

8. Bootstrap (optional)

- A CSS framework that helps design responsive and mobile-friendly websites easily.

9. Git & GitHub

- For version control and managing your project code.

10. Browser Developer Tools

- Built-in tools in browsers like Chrome or Firefox for debugging and testing your website.

These tools help streamline the development process and ensure your eCommerce site is functional, responsive, and secure.

Features of ecommerce website

1. An eCommerce website lets customers browse and search through a catalog of products easily.
2. It includes a shopping cart where users can add, remove, or adjust items before checking out.
3. Secure payment options let buyers pay with credit cards, PayPal, or other gateways safely.
4. User accounts help shoppers track orders, save addresses, and view purchase history.
5. Admin tools allow the store owner to add new products, manage inventory, and process orders.