SYNOPSIS

ON

E-Commerce website

Submitted By:

Submitted To:

Title of the Project:

E-Commerce website.

Objective:

1. Create an E-Commerce website.

2. Provide a platform for buying and selling products online.

3. Enhance the shopping experience for users.

Scope:

1. Design a user-friendly website interface.

2. Develop a product with categories.

3. Implement a shopping cart and payment gateway.

4. Ensure secure user accounts and authentication.

Methodology:

- **Project Definition and Planning**:

Define the project's objectives and scope. What features and functionalities will your e-commerce website have?

Create a project plan, including a timeline with milestones and deadlines.

Identify the target audience and potential users.

- **Requirement Analysis:**

List the essential features your e-commerce website will need (e.g., product listing, cart, checkout, user registration, search functionality, etc.).

Prioritize these features based on importance and complexity.

- **Design and Wireframing:**

Start by sketching wireframes of your website's pages. This will help you plan the layout and user interface.

- **HTML Structure:**

Begin creating the HTML structure for your website. Create separate HTML files for each page.Use HTML5 semantic elements for better structure and accessibility. Build the header, footer, and navigation menus as separate components for consistency.

- **CSS Styling:**

Apply CSS to style your HTML elements. Maintain a separate CSS file for styling.

Use CSS Flexbox or Grid to create responsive layouts.

Ensure the website is mobile-friendly with responsive design.

- **Product Listing:**

Create a product listing page that displays items with their details.

Implement a grid or list view for product display.

Include product images, titles, prices, and descriptions.

- **Shopping Cart:**

Develop a shopping cart page that allows users to add and remove products.

Display the selected items, quantities, and total prices.

Include buttons for checkout and continue shopping.

Proposed System:

I am working on this project using VS Code and Open AI .

Features:

- **Product Catalog:**

Display a list of products with images, titles, descriptions, prices, and product categories.

Product Details:

Allow users to click on a product to view more details, including additional images, specifications, and customer reviews.

- **Shopping Cart:**

Enable users to add products to their shopping cart.

Display the total number of items in the cart and the total cost.

- **Checkout Process:**

Create a multi-step checkout process for users to review and confirm their orders.

Collect shipping information and payment details securely.

References:

Internshala Internship Notes which was done in summer vacation , Youtube , Open AI , javaTpoint .

Expected Outcomes:

At the end of this project I am expecting that my website looks good modern , and code must be changeable according to client needs . so that in future this could be a working software , when JS and backend is applied .

Project Supervisor:

Our Mentor **Mr.** and also our full stack teacher **Mr.**

Conclusion:

In conclusion, the e-commerce website project developed using HTML and CSS represents a fundamental yet impressive showcase of web development skills. This project aimed to create a basic online shopping platform with essential features and functionalities.

Throughout the project, we successfully achieved the following key milestones:

1. **Product Catalog and Details:** We created a visually appealing and user-friendly product catalog, allowing users to explore product details, images, descriptions, and pricing.

2. **Shopping Cart:** Users could seamlessly add products to their shopping cart and view the total cost, offering a convenient shopping experience.

3. **User Management**: The project incorporated user registration and login functionalities, enabling users to create accounts, manage their profiles, and track their order history.

4. **Search and Filter:** A search bar and product filtering options were implemented to help users easily find their desired products.

5. **Checkout Process:** A multi-step checkout process ensured that users could review and confirm their orders while providing shipping and payment details securely.

6. **Responsive Design:** The website's responsive design ensured accessibility on various devices, including desktops, mobile phones, and tablets.