*E-Commerce Website*

**Introduction:**

In this assignment we are making personal E-commerce website using html CSS and JavaScript . In this website we are uploading buying and selling products in this website. This website is completely responsive and using advanced techniques. This project is a web based shopping system for an existing shop . This project deals with developing an E-commerce website for online laptops and phone sale. The system is implemented using a Frontend and a web browser such as visual studio code.

**Abstract:** E-commerce isprocess of doing business through computer network. A person sitting on his chair in front of a computer can access all the facilities of the internet nowadays to buy or sell the products . E-commerce which was started decades ago has taken up a great leap in the world of computers , but the fact that has hindered the growth of E-commerce is security. This website is for uploading buying and selling products. This website is modern design with good user experience. This website provides responsive layout to any mobile device or laptop screen or desktop screen.

**Scope:** The scope of this website is to explore Products and its details and its prices, the scope of this website is as follows.

1. Product Details
2. Product Prices
3. Brands Logos
4. Product Images

**Objective:** The main objective of this website are. Online shopping is the process where the customer directly buy products without any intermediate service .The website would be easy to use and hence the shopping experience would be excellent and enjoyable for the users. The main goal of this website is: The project objective is to deliver the online shopping ease to the customer. Customer can easily buy products

**1)** To develop an easy to use web based Interface where user can buy products

2) A customer can buy product online with ease.

**Tools:**

1. Vs code
2. Chrome Browser

**Technology:**

1. Html 5
2. CSS 3
3. JavaScript
4. PHP
5. MY SQL

**Explanation:** Inthis website we are using Html CSS and JavaScript. Before doing this project we completely understand the needs of this project

**HTML 5(Hyper Text Markup Language)**

Html stands for hyper text Markup Language . As we know that it is a structural language containing headings like <h1></h1>,<h2></h2> tags paragraph like <p></p> tags span tags list of two types ordered unordered. Html describes the structure of web page and CSS is for styling and JavaScript is for functionality.Html also contains tags like <img/>,<hr> tag <br> tag for breaking the line.

**Key Concept:**

**1) Elements and tags** (elements and tags are used for displaying the text in the web browser )

2**) Attribute** (attribute is apply or written inside the tag and element)

3) **Document Structure** (Document means In html we are having two sections one is head and the other one is body in the in the head of we write meta data of the website and body is the main page of the website)

4) **Headings** (As we know in html we are having six types of heading (h1,h2,h3,h4,h5,h6).

5) **Paragraph:** (paragraph use for displaying the text in the web browser or website)

6) **Lists:** (There are three types of lists ordered list, unordered list, descriptive list)

7) **Links** (Links used for connecting the pages of the website)

8) **Images (**image tag is used for displaying image on the web page or on the website**)**

9) **Forms** (form is use for displaying the form in the website)

**CSS 3(Cascading Stylesheets Language):**

CSS stands for cascading stylesheet language and it is used for syling the web page by applying properties like background; color; border radius; margins; paddings; positions;

**Key Concepts:**

1. **Selectors** (There are four types of selectors in CSS. Class selector, Id selector, tag selector, universal selector )
2. **Properties:**(Properties are the styles applied to the selected elements)
3. **Declaration:(**A declaration **is** a pairof property and value**)**
4. **Class and IDs:**(Classes are used for styling multiple tags and Ids are used for styling particular tags)
5. **Inheritance:** (Styles are inherited from parent element to their children)
6. **Media Query:** (Media query allow the application of different styles for different devices or condition They enable responsive design by adjusting styles based on the characteristics of the devices).

**JAVASCRIPT**

JavaScript , often abbreviated as “JS”, is a high level , dynamic , untyped, and interpreted run-time language . It has been standardized in the ECMA Script language world wide web content production ; the majority of websites employ it , and all the modern web browser support it, without need for plug-ins.

Key Concepts:

1. Syntax
2. Variable
3. Data types
4. Operators
5. Control Flow
6. Function
7. DOM Manipulation
8. Objects
9. Arrays

**PHP**: (Hyper text processor) is a widely used open source general-purpose scripting language that is especially suited for web development and can be embedded into HTML. The best part of CSS about using PHP is that it is extremely simple for a newcomer , but offers many advanced features for a professional programmer. Don’t be afraid to read the long list of PHP features . You can jump in , in a short time, and start writing simple scripts in afew hours. PHP is a server site site scripting language embedded in HTML. It is used to manage dynamic content , databases , session tracking . It is open source which means it is easy to use and download. It is mainly used in web development for creating dynamic web pages and application

**Key Concepts:**

1. Open source
2. Database support
3. Typing Language
4. Case sensitive
5. Interpreted Language

**MY SQL:**

MY SQL is a relational database that uses structured query language. Relational databases are a type of database that uses a structure that allows us to identify and access the data in relation to another piece of data inside of the database. This format is often recognized as tables. . MY SQL powers many of the most accessed applications, including

Facebook , Twitter, Netflix, , Uber, Shopify and Booking.com .

**Key Concepts:**

1. Easy to use
2. Secure
3. Open Source
4. Scalable
5. Reliable

**Detailed Explanation Of The Website:**

In this wsebsite we are having the following sections

1. Navbar Section
2. Featured Product Section
3. Latest Product Section
4. Testimonial Section
5. Brand Section
6. Footer Section

**Navbar Section**: In Navbar we have five static links the first link is Home and second one is Product and the third section is About section and the link four is Contact link and the last static link is Account Link.

**Featured Product Section**: In Featured Product section we have displayed one sub-title one image four star icons and star-o icon three heading tag with h4 heading and three paragraph for entering price value like wise in Latest Product section we have three h4 tags three paragraph tags and three images .

**Testimonial Section:** In testimonial section we have three images with same border-radius values and three paragraph and three quote-left icon and four three star and one star-o icon on each images also in this section we have five logos of the company brand logos likewise, OPPO, GOOREJ, Coca-Cola, PAYPAL,PHILIPS.

**Footer Section**: In footer In foot-col-1 we have one h3 tag and one paragraph tag and two images one is play store application image and the other one is app-store image and in

foot-col- we have one image for logo with name logo-white.png one paragraph tag and in foot-col-3 class we have one h3 tag and in h3 in foot-col-3 we have unordered list with four list items in it. and in foot-col-4 we have one h3 tag and unordered list with four list item for social media icons like Facebook, Twitter, Instagram ,Youtube and one paragraph with class right paragraph for copyright We have applied properties like filter grayscale(“0px”) and

transform : translateY(-5px) for upper transformation and in footer we have text in h3 tag which is “Download Our App” “Useful Links” “Follow Us” and in paragraph tag we have text like “Download App for Android and iOs Mobile Phone” and hr tag for making a line on the footer

and paragraph for like “copyright 2020” and list items like coupons, Blog Post, Return Policy, Join Affiliate and h3 heading like “Follow Us” and then items like Facebook, Twitter, Instagram , Youtube and buttons like Explore now and Buy Now and hover on button and arrow icons on button and background text like “Give Your Work A New Style” and background paragraph like “Success isn’t always about greatness .It’s about consistent hard work gains success Greatness will come” and background image with in img tag with image name image-1.png

**Conclusion:**

In this project we learn many concepts of html and CSS and JavaScript. And this website is amazing in IT Technology and Modern Era. We hope you have experienced a great time and we will sure you will come again and again. E-commerce has an undeniably become an important part of our society . The successful companies of the future will be those which takes the e-commerce advantages seriously today. E-commerce is a helpful technology that gives you the consumer access to business companies all over the world