Project Report

On

E-Commerce Website

Submitted by

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DECLARATION

We hereby declare that the report of the B.Tech Mini Project Work entitled with the "**E-Commmerce Website**" which is being submitted to Rajiv Gandhi University of Knowledge Technologies, RK Valley, in partial fulfillment of the requirements for the award of Degree of Bachelor of Technology in Computer Science and Engineering, is a bonafide report of the work carried out by me. The material contained in this report has not been submitted to any university or institution for award of any degree.

K Sreehari– R171153

RAJIV GANDHI UNIVERSITY OF KNOWLEDGE TECHNOLOGIES

RGUKT

(A.P.Government Act 18 of 2008)

RGUKT, RK VALLEY

Department of Computer Science and Engineering

CERTIFICATE FOR PROJECT COMPLETION

This is certify that the project entitled " **E-Commerce Website** " submitted by the **K Sreehari (R171153)** under our guidance and supervision for the partial fulfillment for the degree Bachelor of Technology in Computer Science and Engineering during the academic year 2021-2022 at RGUKT, RK VALLEY. To the best of my knowledge, the results embodied in this dissertation work have not been submitted to any University or Institute for the award of any degree or diploma.

Project Internal Guide   **Head of the Department**

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Project Coordinator,

Assistant Professor,   HOD Of CSE,

RGUKT, RK Valley.   RGUKT, RK Valley.

Acknowledgement

The satisfaction that accompanies the successful completion of any task would be incomplete without the mention of the people who made it possible and whose constant guidance and encouragement crown all the efforts success. I am extremely grateful to our respected Director,Prof. **Mrs. K.SANDHYA RANI** for fostering an excellent academic climate in our institution. I also express my sincere gratitude to our respected Head of the Department **Mr P.HARINADHA** for their encouragement, overall guidance in viewing this project a good asset and effort in bringing out this project. I would like to convey thanks to our guide at college **Ms.P.UDAYASREE** for their guidance, encouragement, co-operation and kindness during the entire duration of the course and academics. My sincere thanks to all the members who helped me directly and indirectly in the completion of project work. I express my profound gratitude to all our friends and family members for their encouragement.

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<u>Abstract</u>

Electronic Commerce is process of doing business through computer networks. A person sitting on his chair in front of a computer can access all the facilities of the Internet to buy or sell the products.

Unlike traditional commerce that is carried out physically with effort of a person to go & get products, ecommerce has made it easier for human to reduce physical work and to save time.

The designed application will have an admin view and the public or guest view. The admin view is meant for the administrator to update the products, change prices, remove and add products and also manage customers. The customer view will be accessible to the customers, and they will be able to handle their information such as their name, address, and contact. Also, the customer will be able to order for products from the shop.

INTRODUCTION:

➢ The main objective of this project is to develop a general-purpose e-commerce store where any product (such as books, CDs, computers, mobile phones, electronic items, and home appliances) can be bought from the comfort of home through the Internet.

➢ An online store is a virtual store on the Internet where customers can browse the catalog and select products of interest. The selected items may be collected in a shopping cart. At checkout time, the items in the shopping cart will be presented as an order. At that time, more information will be needed to complete the transaction.

➢ The E-commerce is fast gaining ground as an accepted and used business paradigm. More and more business houses are implementing web sites providing functionality for performing commercial transactions over the web. It is reasonable to say that the process of shopping on the web is becoming commonplace.

➢ This project is mainly divided into two main categories: The Administrators and the Customers/Users.

➢   The store manager and the staff members operate as the administrators. They can add,edit, update products or, delete products thus they able to change the names of products , change prices and, add or remove products

➢   The customer can search for products selection, update the cart, remove products from the cart and check out from the shop. The customer is also able to update his information such as names, address and other data.

➢   The User is only able to browse the online shop and add a product to the cart. The user is limited to the use of the shop.

Purpose:-

The purpose of the E-Commerce website are to sell products to users . The primary goal of E-commerce is to reach the maximum customers at right time to increase the sales and profitability of the business. Functions of E-Commerce includes the buying and selling goods, transmitting funds or data over the internet

Intended Audience:-

1).Admin

2)Users

Product Vision:-

The main Vision of this project is to make to change the old style of shopping is changed to the new trend of the online shopping with using the online web application website for ease of Usage.

Existing System:-

In the existing System every one follows the old fashion that all can go to the stores and buy products in the physically In the shops. This is time taking Process and the it is very hard to buy the products in case of any festivals or functions because all are going at a time to stores.

Proposed System:-

In the Proposed System we can do shopping using the our online website store. We can the products by virtually and we can shop in our home only. It reduces the time and work. These online web store websites are user-friendly and easy to buy the products. These are more flexible to use and user have a separate login and he can access the products in the website.

Requirement Specification

Hardware Configuration:-

Client side:

       Ram   : 512 Mb
       Hard disk : 10GB
       Processor : 1.0 GHz

Server Side:

       Ram   : 1GB
       Hard disk : 20GB
       Processor : 2.0 GHz

Software Requirements:-

Front end - HTML , CSS , BootStrap , J-Query.

Server side language - PHP.

Database Server – Mysql.

Web Browser – Microsoft Edge, Chrome .

OS - Ubuntu , Windows.

Software - Xaamp Server.

MODULES

- Homepage
- Header
- Products
- Admin
- User
- Cart
- Checkout
- Footer

Modules Description:-

Homepage.

The homepage includes the basic UI structure of Website. This includes the Hot Deal Section of the E-Commerce website and Top-Selling products in website. In The home page we include slider for top selling products and we can see the products are sliding continuously in the bottom of the home page and we can Directly add this products to cart. The top selling products are based on the rating of customers and sells of a products.

Header:

The header contains the two nav bars and header part include the logo of shopping website and name of shopping website. We include the Names of the website owner and contact number of the owner of contacting purpose. The another navbar contains the categories of a store and the amin and user login drop down menu. The navbar also contains the cart button function and the radio buttons to search the products in the website.

Products:

These Module Contains the navbar that includes the types of categories in the products(ex:-Electronics , Men's wear , Ladies Wear , kids Wear , Home appliances , furniture and gadgets.) . This product module contains the functions of bootstrap when we click in the product it can add to cart and compare the product and we can see the ratings and we can see the prodcuct image by zoom in the picture .We can also see the radio buttons of add to Wishlist and the product and compare the products and quick view. In the bottom of every product we can see the description of product .
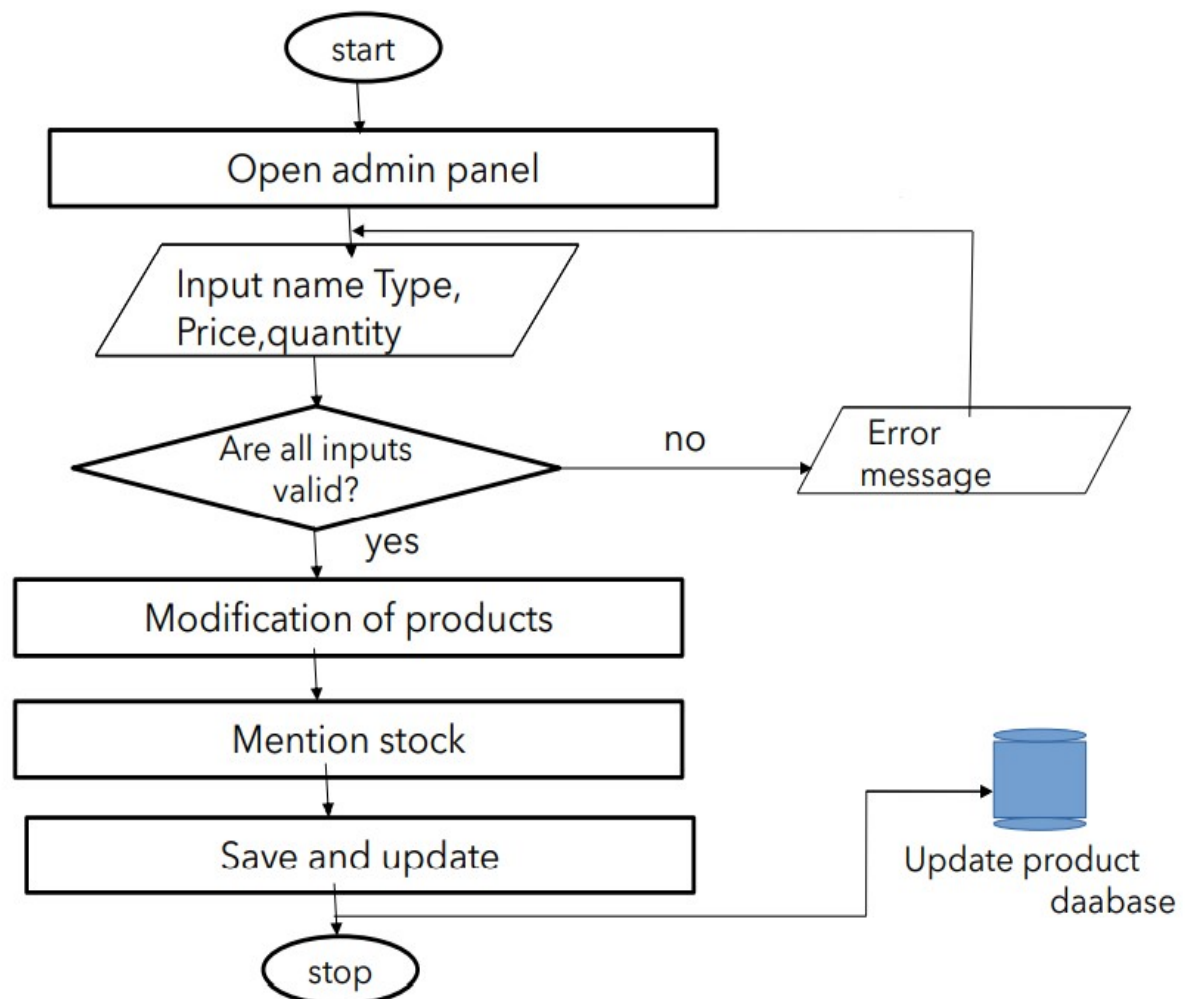
Admin:-

The admin contains the login page form once we can logging into the admin module. It can contains the drop down menu with the many fields. The admin module has the access all over the website. The admin holds the users and data of a website and passwords and sensitive information of a website. The admin module can edit the user information product details and update the details in admin panel. We can view and add products , manage cart and update the cart using functionalities of admin. We can manage users and edit users in admin panel. The admin can edit like delete the customers and users and products in the website store.

User:-

The user module contains the registration of a user. If user doesn't have an account the user can register using register form and user has already account the user can using login form.

After logging into the user account the user can see the profile and the user can explore the products and the selected products are add into cart. After adding the products into the cart he can checkout the products by paying the bill amount and these are done at checkout process

Admin-Flow Chart:-

```
              ( start )
                 |
                 v
     +-----------------------+
     |   Open admin panel    |
     +-----------------------+
                 |
                 v
      / Input name Type,   /
     /  Price,quantity    /
                 |
                 v
          < Are all inputs >----- no -----> / Error   /
          <    valid?      >                / message /
                 |
                yes
                 |
                 v
     +-----------------------+
     | Modification of products |
     +-----------------------+
                 |
                 v
     +-----------------------+
     |     Mention stock     |
     +-----------------------+
                 |
                 v
     +-----------------------+
     |   Save and update     |--------> [Update product
     +-----------------------+              daabase ]
                 |
                 v
              ( stop )
```

User-Flow Chart:-

```
                    ┌─────────┐
                    │  start  │
                    └────┬────┘
                         │
                         ▼
              ◇─────────────────◇        no      ┌──────────────┐
              │   Is the user   │ ──────────────▶│ Login to an  │
              │     new?        │                │   account    │
              ◇─────────────────◇                └──────┬───────┘
                         │                              │
                       yes                              │
                         ▼                              │
               ┌──────────────┐                         │
               │ Register an  │                         │
               │   account    │                         │
               └──────┬───────┘                         │
                      │                                 │
                      ▼                                 │
               ┌──────────────┐                         │
               │ Add products │◀────────────────────────┘
               │   to cart    │
               └──────┬───────┘
                      ▼
               ┌──────────────┐
               │   Checkout   │
               └──────┬───────┘
                      ▼
               ┌──────────────┐
               │    logout    │
               └──────┬───────┘
                      ▼
                  ┌────────┐
                  │  stop  │
                  └────────┘
```
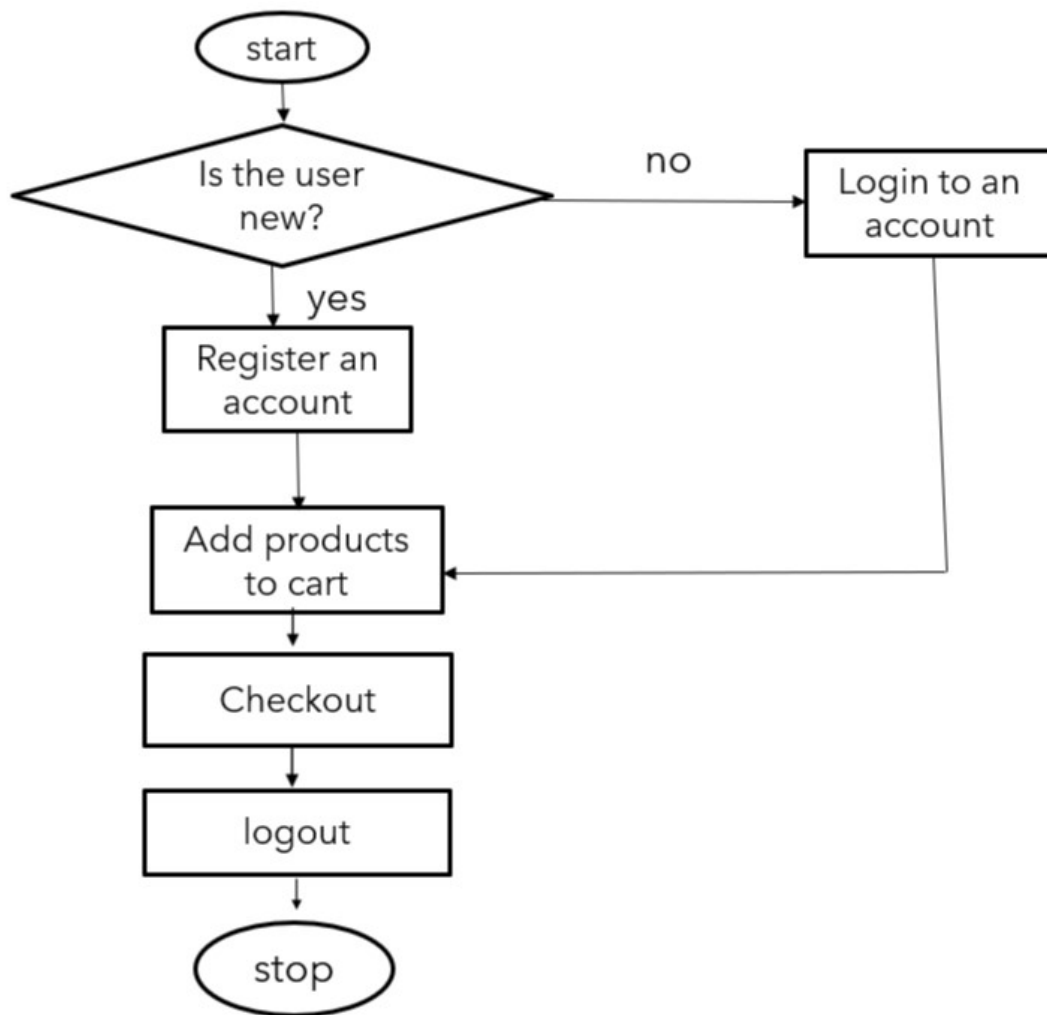
Cart:-

After seeing the products in the website store the user/customer can add the products into the cart. After login of the customer only we can access the checkout the products in cart. The cart has the edit cart function that we can also delete the product when we dislike the product or for the any reason. In the cart module the price of products automatically calculates and we can increase or decrease the quantity of a products . After we can submit the checkout button in the cart.

Checkout:-

The checkout module has the billing of the cart price. In this module we have the billing form that we can collect the billing details of the customer/user who can buys the products in the website store. After validating the all fields in the billing form the user can able to do the payment of cart amount.

The payment done in many ways in the checkout. We can include the all e-transactions in the website like visa, master, credit and debit cards. We can also include the American express business card.

Here we have one form for the payment. We can correctly enter the these fields and we encrypt these data and stores safely. After giving all the card details for payment we can check the billing amount and number of products and we can submit the continue to checkout.

Footer:-

The Footer Module contains the bottom fields of the website. It includes the Team members details who developed the website and contact details. This footer contains About section in this we give further contact details for any help regarding the website.

In this module we include the offer-mail section that can have a field that we can enter the mail and subscribe for updates. It displays the alert after the validation of a button functionalities and it shows thanks for subscribing! For first time when ever you have subscribe and already subscribed when ever you have give the second time details. In the end we can add the our social media account information that the customers/users who can visit the website store they can contact us through these social accounts in future.

Adavntages of Proposed Technology:-

For Organization:-

1.using e commerce,organizations can expand their market to national and international market with maximum capital investment.An organizations can easily locate more customers,best supplient and suitable business partners across the globe.

2)e-commerce helps organizations to reduce the cost to create process,distribute,retrieve and manage the paper based information by digitalised the information.

3)e-commerce improves the brand image of a company.

4)e-commerce help organiztion to provide better customer service.

5)e-commerce reduces the paperwork.

For Customers:-

1)It provides 24/7 support.customer can enquire about a product or service and place order any time,any where from any location.

2)e-commerce application provides users with more options to compare and select the cheaper and better options.

3) e-commerce helps in reducing the cost of products on occasions.

4)it provides readily available information.

5)customers need not to travel to shop a product, thus in traffic on road and air pollution.

Technologies and Tools Used:-

- FRONTEND : HTML , CSS , BootStrap, J-Query.
- BACKEND   :   PHP

- DATABASE : MYSQL.

- ENVIRONMENT: Visual Studio Code.

- DEPLOYMENT: XAMPP Server.

HTML:-

means Hypertext Markup Language. This language is used in creating web pages. This language also supports other languages such CSS, PHP, JAVASCRIPT, etc. in creating interactive and responsive pages on the pages. HTML5 is just an updated version of the HTML. It supports new features, new attributes, new HTML elements, full CSS3 support, video and audio, 2D/3D graphics that help users and also help web developers to create new features easily on the website
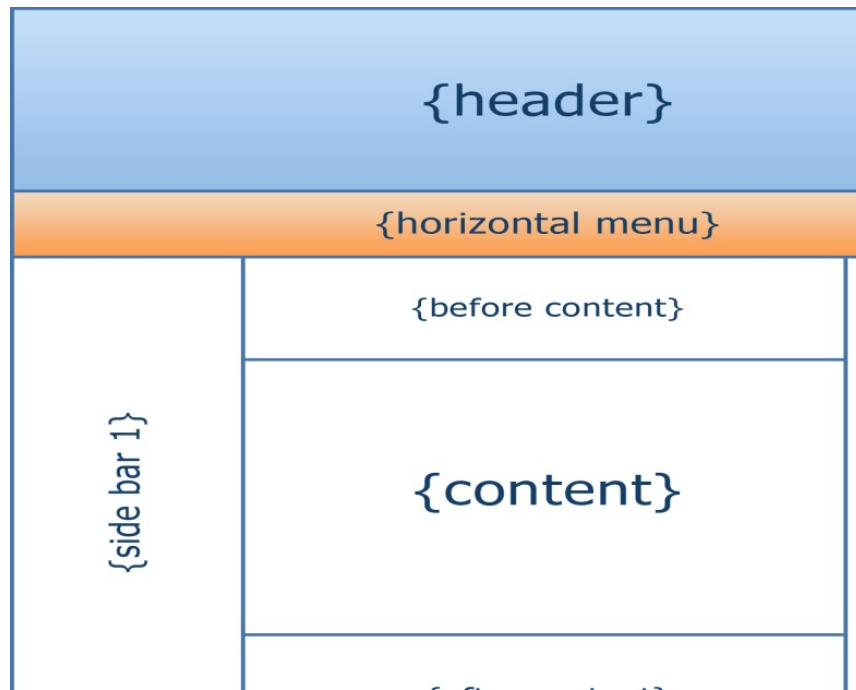
CSS:-

CSS is simply referred to as Cascading Style Sheets.CSS is used to define styles for web pages, including the design, layout, and variations in the display for different devices and screen sizes.

The general structure of CSS Basic syntax:

selector{property: value}

CSS can be used in a separate style sheet or used in the webpage

JavaScript:-

Javascript is a high-level language which could be used independently or inculcated into the webpage. It can be used to, handle requests and responses and also add dynamic behavior and also store information on a website.

Syntax:

```
<script ="javascript" type=" text/javascript" >

        JavaScript code
</script>
```

BootStrap:-

Bootstrap is the most popular HTML, CSS, and JavaScript framework for developing responsive, mobile-first websites. It includes HTML and CSS based design templates for typography, forms, buttons, tables, navigation, modals, image carousels, etc. It also gives you support for JavaScript plugins.

J-Query:

jQuery is a fast, small, and feature-rich JavaScript library. It makes things like HTML document traversal and manipulation, event handling, animation, and Ajax much simpler with an easy-to-use API that works across a multitude of browsers.
It makes things like HTML document traversal and manipulation, event handling, animation. With a combination of versatility and extensibility, jQuery has changed the way that millions of people write JavaScript.
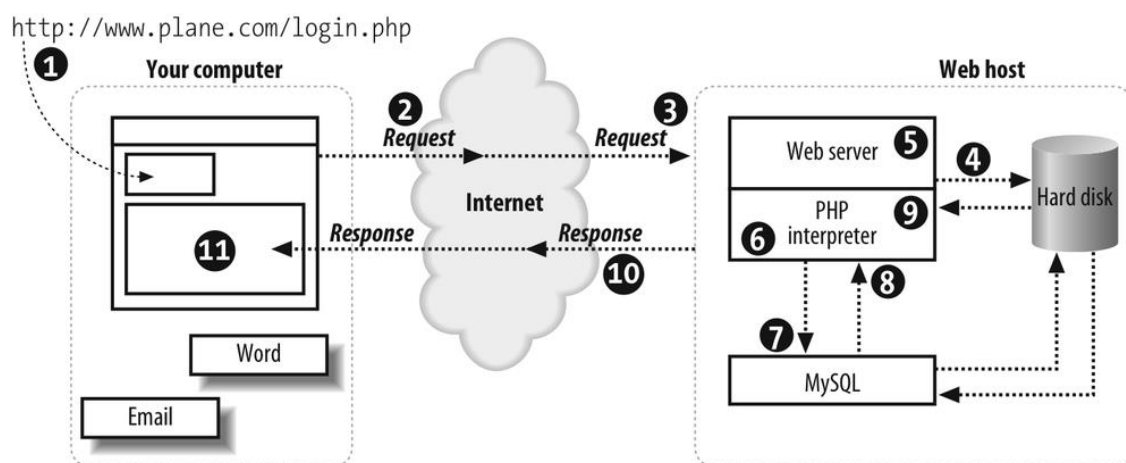
MySQl:-

MySQL is a free source database system, and it enables the cost-effective delivery of reliable and a high-performance and scalable Web-based and embedded database applications. It is a relational database system(RDBMS). It is a high performing program and scalable to meet the demands of users and data. MySQL is written in C and C++, so it is compatible with most of the operating systems available around the world.
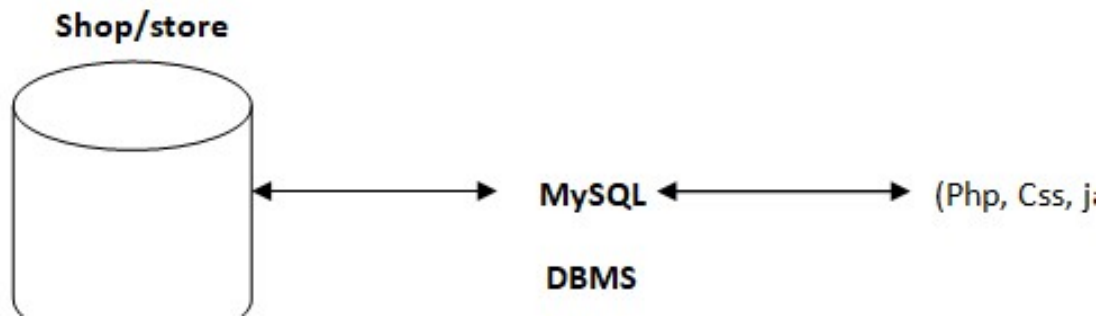
PHP:-

PHP is a server-side scripting language that is used to develop Static websites or Dynamic websites or Web applications. It is designed for web development to implement dynamic web pages and can be embedded into HTML for it to be displayed. The below Figure demonstrates how the web server operate

XAMPP Server:

XAMPP is an integrated development surrounding, which incorporates Apache HTTP Server, MySQL Database, and PHP, Mercury, PERL or Python on a home Windowsbased computer. Apache is a free web server. MySQL is an open source database. XAMPP is used in collaboration with, PHP, MySQL and, Windows 8 operating system.

PHP Myadmin:

PhpMyAdmin is a free and open source MySQL management program application written in PHP and was first launched in 1998 under the GNU preferred Public License. It is cross-platform help for the essential working structures and helps management of more than one servers. It supports most MySQL capabilities and has an intuitive net interface. It additionally has supports developing PDF graphics of data base layout, importing information from CSV and SQL formats as well as exporting records to various codecs such as SQL, XML, PDF and, CSV
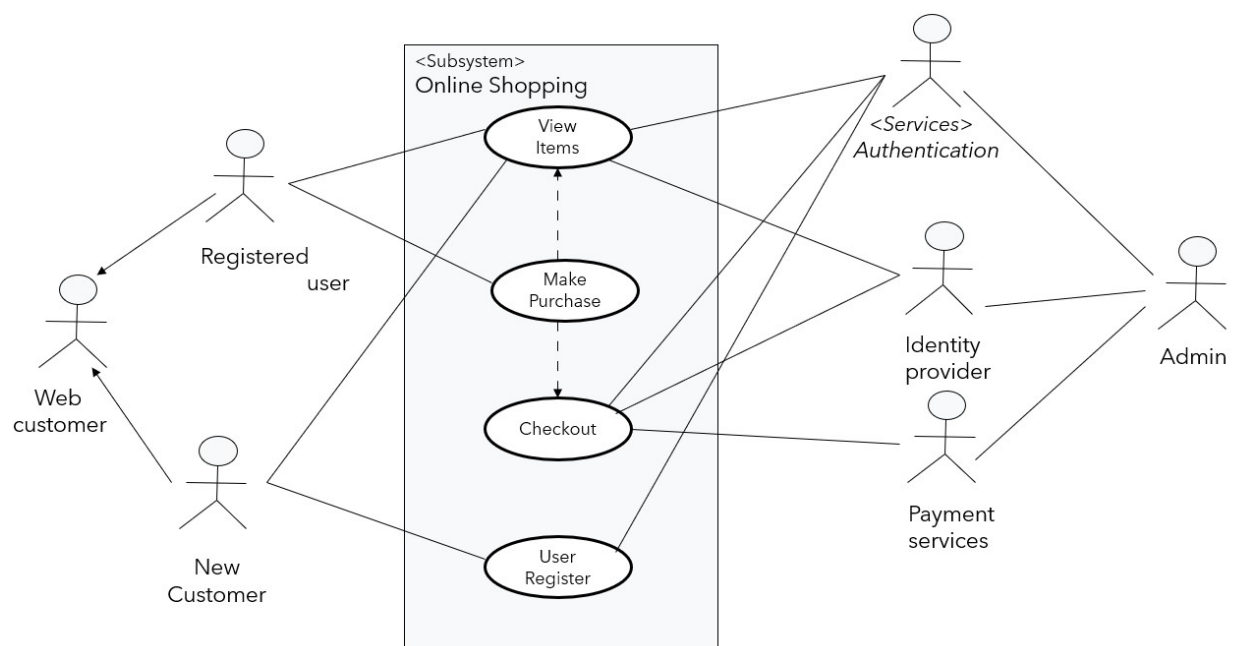
Use Case Diagrams:-

Use case diagrams model behavior within a system and helps the developers understand of what the user require. The stick man represents what's called an actor. Use case diagram can be useful for getting an overall view of the system and clarifying that can do and more importantly what they can't do. Use case diagram consists of use cases and actors and shows the interaction between the use case and actors.

- o The purpose is to show the interactions between the use case and actor.
- o To represent the system requirements from user's perspective.
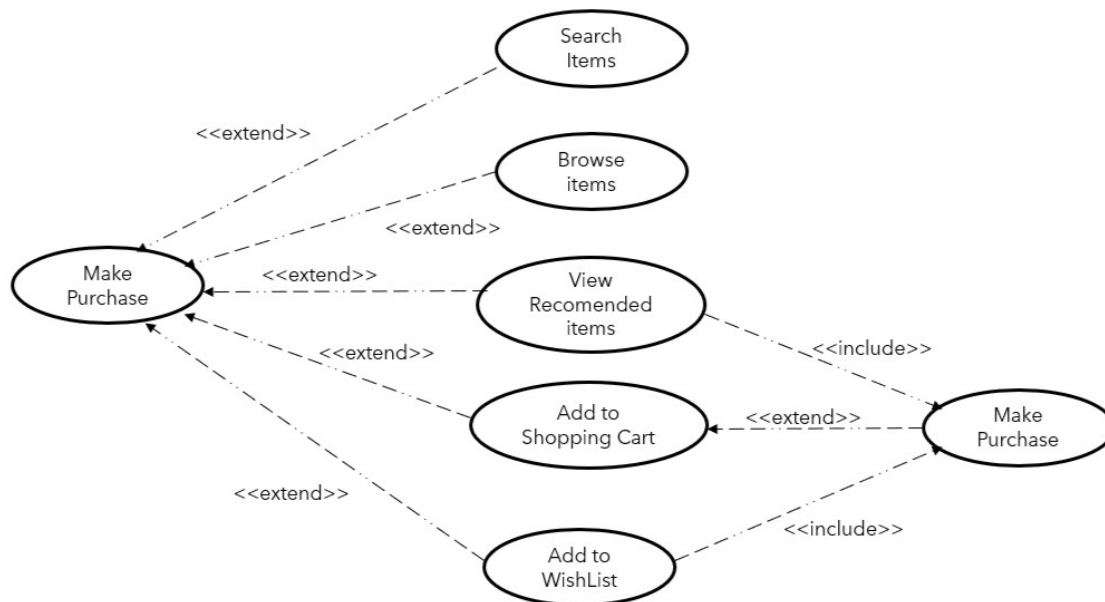- o An actor could be the end-user of the system or an external system.
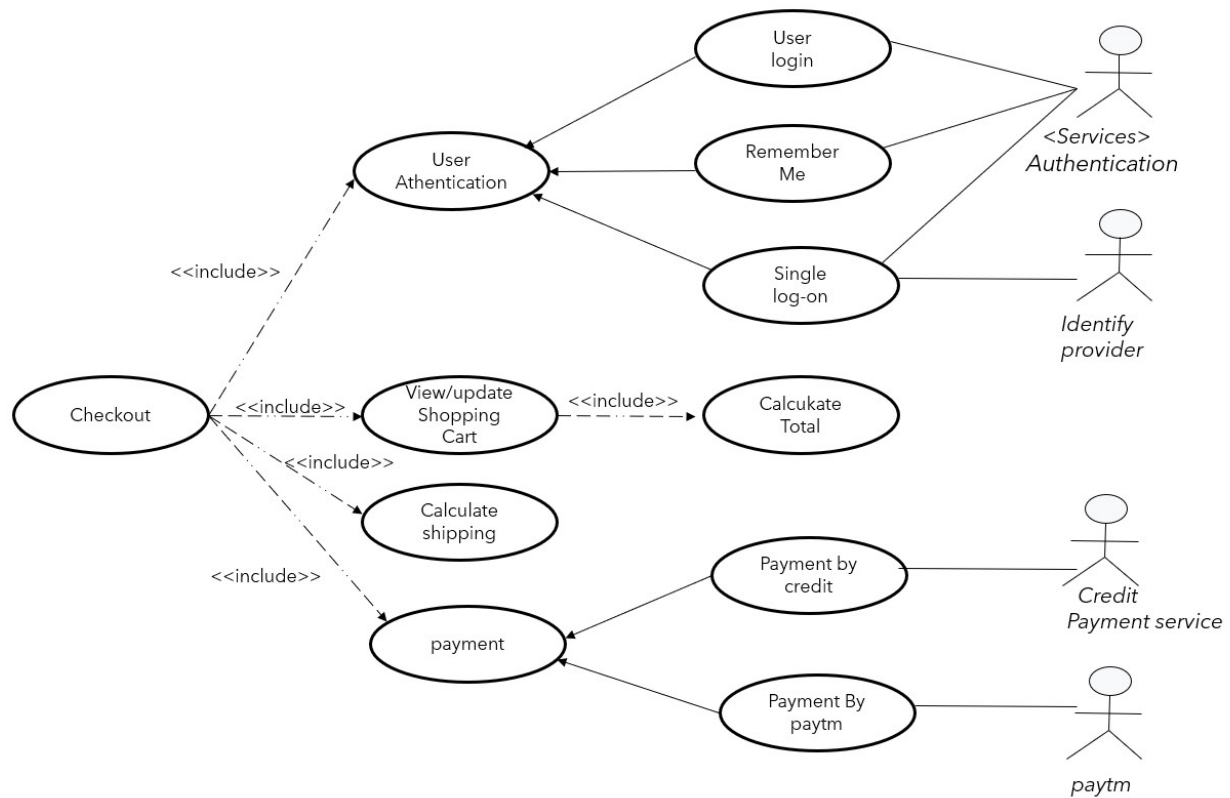
Use case for Shopping:-

Use case Daigram for Top-Level.

Use case Diagram for View-Items:-

Use case Diagram For Authenitication & Payment:-

ER-Diagrams:-

he Entity-Relationship (ER) model was originally proposed by Peter in 1976 [Chen76] as a way to unify the network and relational database views. Simply stated the ER model is a conceptual data model that views the real world as entities and relationships. A basic component of the model is the Entity-Relationship diagram which is used to visually represent data objects. Since Chen wrote his paper the model has been extended and today it is commonly used for database design for the database designer, the utility of the ER model is:

❖ It maps well to the relational model. The constructs used in the ER model can easily be transformed into relational tables.

❖ It is simple and easy to understand with a minimum of training. Therefore, the model can be used by the database designer to communicate the design to the end user.

❖ In addition, the model can be used as a design plan by the database developer to implement a data model in specific database management software.

E-R Diagram:-
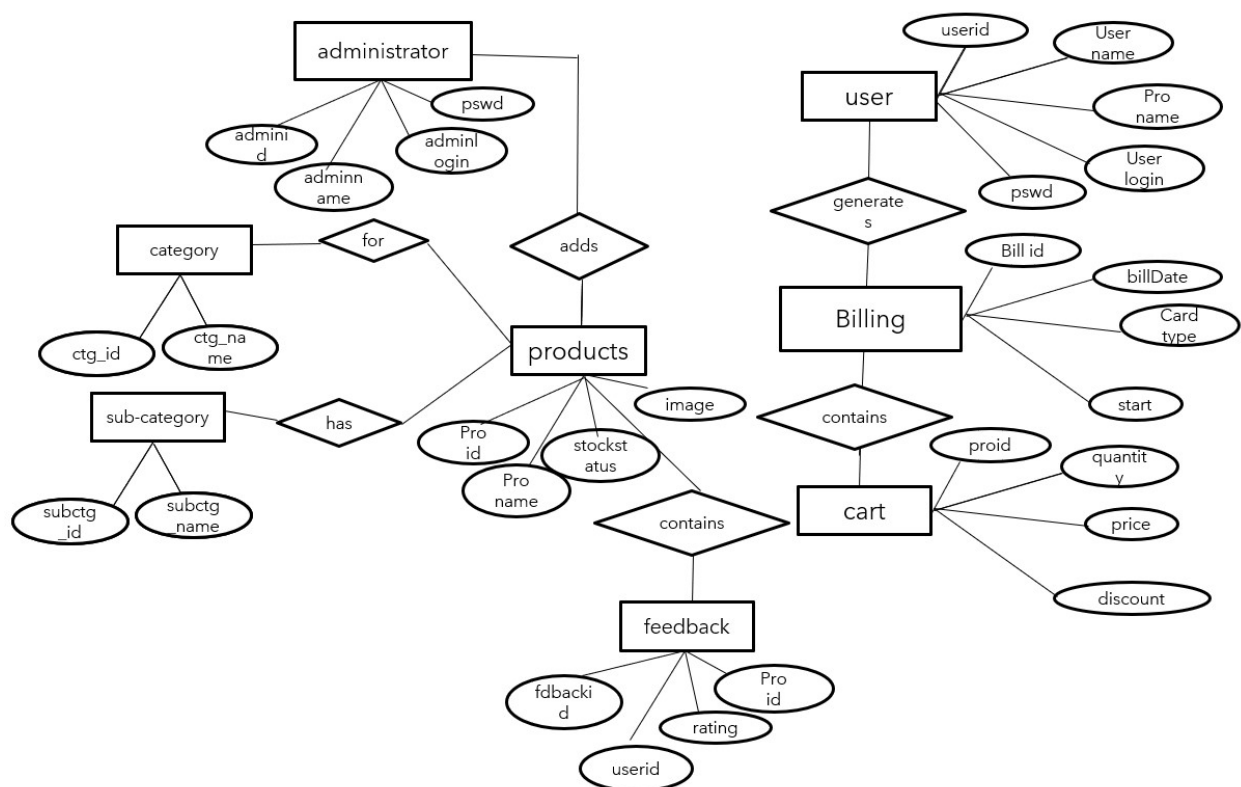
Source Code:-

Homepage.php

```php
<?php
session_start();
$ip_add = getenv("REMOTE_ADDR");
include "db.php";

if(isset($_POST["categoryhome"])){
    $category_query = "SELECT * FROM categories WHERE cat_id!=1";

    $run_query = mysqli_query($con,$category_query) or die(mysqli_error($con));
    echo "
                <div id='responsive-nav'>
                    <!-- NAV -->
                    <ul class='main-nav nav navbar-nav'>
                    <li class='active'><a href='index.php'>Home</a></li>
                    <li><a href='store.php'>Electronics</a></li>
    ";
    if(mysqli_num_rows($run_query) > 0){
        while($row = mysqli_fetch_array($run_query)){
            $cid = $row["cat_id"];
            $cat_name = $row["cat_title"];

            $sql = "SELECT COUNT(*) AS count_items FROM products,categories WHERE
product_cat=cat_id";
            $query = mysqli_query($con,$sql);
            $row = mysqli_fetch_array($query);
            $count=$row["count_items"];


        echo "
                    <li
class='categoryhome'cid='$cid'><ahref='store.php'>$cat_name</a></li>

            ";
        }

        echo "</ul>
                </div>
```

```php
if(isset($_POST["getProducthome"])){
    $limit = 3;
    if(isset($_POST["setPage"])){
        $pageno = $_POST["pageNumber"];
        $start = ($pageno * $limit) - $limit;
    }else{
        $start = 0;
    }
    $product_query = "SELECT * FROM products,categories WHERE product_cat=cat_id
LIMIT $start,$limit";
    $run_query = mysqli_query($con,$product_query);
    if(mysqli_num_rows($run_query) > 0){
        while($row = mysqli_fetch_array($run_query)){
            $pro_id    = $row['product_id'];
            $pro_cat   = $row['product_cat'];
            $pro_brand = $row['product_brand'];
            $pro_title = $row['product_title'];
 $pro_price = $row['product_price'];
            $pro_image = $row['product_image'];

            $cat_name = $row["cat_title"];
            echo "

                    <div class='product-widget'>
                            <a href='product.php?p=$pro_id'>
                                <div class='product-img'>
                                    <img src='product_images/$pro_image'
alt=''>
                                </div>
                                <div class='product-body'>
                                    <p class='product-category'>$cat_name</p>
                                    <h3 class='product-name'><a
href='product.php?p=$pro_id'>$pro_title</a></h3>
                                    <h4 class='product-price'>$pro_price<del
class='product-old-price'>$990.00</del></h4>
                                </div></a>
                        </div>

            ";
        }
    }

}
else{

    $start = 0;
    }
```

```php
    $product_query = "SELECT * FROM products,categories WHERE product_cat=cat_id
AND product_id BETWEEN 71 AND 74";
    $run_query = mysqli_query($con,$product_query);
    if(mysqli_num_rows($run_query) > 0){

        while($row = mysqli_fetch_array($run_query)){
            $pro_id    = $row['product_id'];
            $pro_cat   = $row['product_cat'];
            $pro_brand = $row['product_brand'];
            $pro_title = $row['product_title'];
            $pro_price = $row['product_price'];
            $pro_image = $row['product_image'];

            $cat_name = $row["cat_title"];

            echo "
                <div class='col-md-3 col-xs-6'>
                                <a href='product.php?p=$pro_id'><div
class='product'>
<img src='product_images/$pro_image' style='max-height: 170px;' alt=''>
                                    <div class='product-label'>
                                        <span class='sale'>-30%</span>
                                        <span class='new'>NEW</span>
                                    </div>
                                </div></a>
                                <div class='product-body'>
                                    <p class='product-category'>$cat_name</p>
                                    <h3 class='product-name header-cart-item-
name'><a href='product.php?p=$pro_id'>$pro_title</a></h3>
                                    <h4 class='product-price header-cart-
item-info'>$pro_price<del class='product-old-price'>$990.00</del></h4>

<div class='product-body'>
                                        <p class='product-category'>$cat_name</p>
                                        <h4 class='product-name header-cart-item-
name'><a href='product.php?p=$pro_id'>$pro_title</a></h3>
                                        <h4 class='product-price header-cart-
item-info'>$pro_price<del class='product-old-price'>$1090.00</del></h4>
```

```
                                <button class='add-to-compare'><i
class='fa fa-exchange'></i><span class='tooltipp'>add to compare</span></button>
                                <button class='quick-view'><i
class='fa fa-eye'></i><span class='tooltipp'>quick view</span></button>
                            </div>
                        </div>
                        <div class='add-to-cart'>
                            <button pid='$pro_id' id='product'
class='add-to-cart-btn block2-btn-towishlist' href='#'><i class='fa fa-shopping-
cart'></i> add to cart</button>
                        </div>
                    </div>
                    </div>


            ";
        }
        ;

    }

        }
```
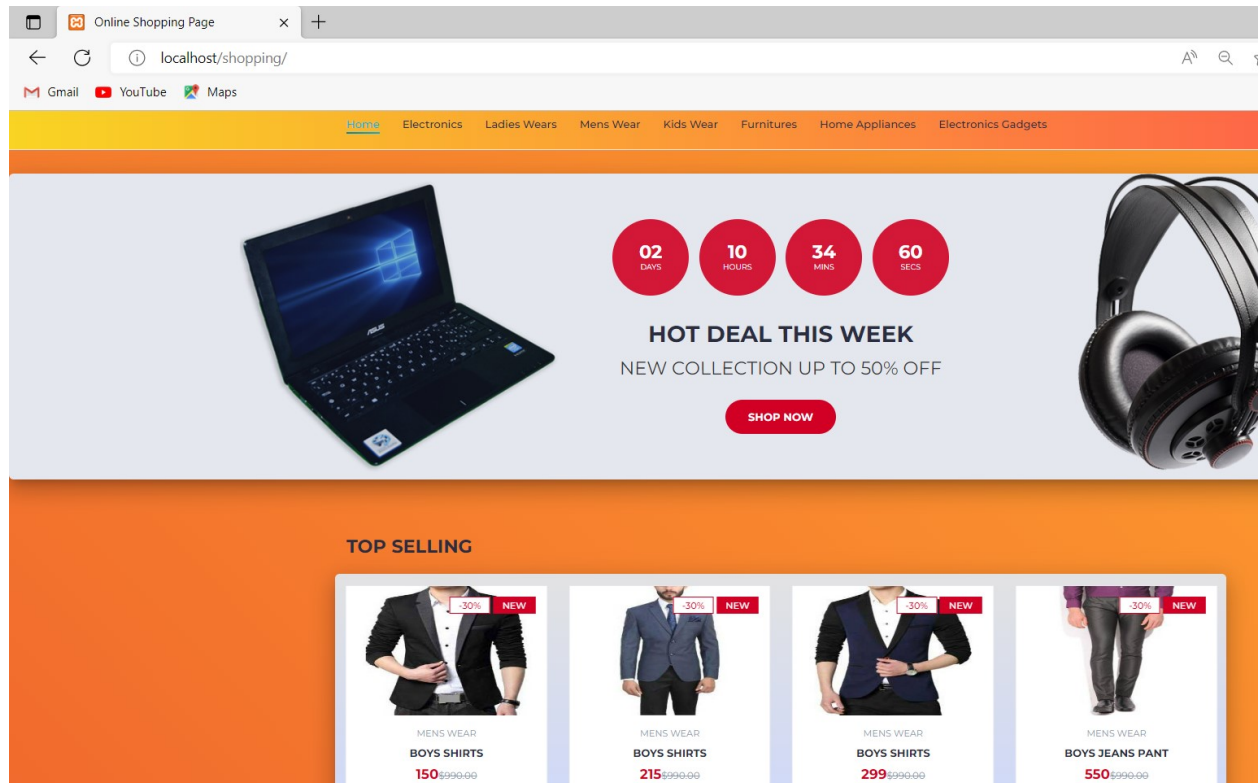
Output:-

Login Form Validation:-

```php
include "db.php";
session_start();
if(isset($_POST["email"]) && isset($_POST["password"])){
    $email = mysqli_real_escape_string($con,$_POST["email"]);
    $password = $_POST["password"];
    $sql = "SELECT * FROM user_info WHERE email = '$email' AND password =
'$password'";
    $run_query = mysqli_query($con,$sql);
    $count = mysqli_num_rows($run_query);
    $row = mysqli_fetch_array($run_query);
        $_SESSION["uid"] = $row["user_id"];
        $_SESSION["name"] = $row["first_name"];
        $ip_add = getenv("REMOTE_ADDR");
    if($count == 1){
            if (isset($_COOKIE["product_list"])) {
                $p_list = stripcslashes($_COOKIE["product_list"]);
                $product_list = json_decode($p_list,true);
                for ($i=0; $i < count($product_list); $i++) {
                    $verify_cart = "SELECT id FROM cart WHERE user_id =
$_SESSION[uid] AND p_id = ".$product_list[$i];
                    $result  = mysqli_query($con,$verify_cart);
                    if(mysqli_num_rows($result) < 1){
                        $update_cart = "UPDATE cart SET user_id =
'$_SESSION[uid]' WHERE ip_add = '$ip_add' AND user_id = -1";
                        mysqli_query($con,$update_cart);
                    }else{
                        $delete_existing_product = "DELETE FROM cart WHERE
user_id = -1 AND ip_add = '$ip_add' AND p_id = ".$product_list[$i];
                        mysqli_query($con,$delete_existing_product);
                    }
                }

            setcookie("product_list","",strtotime("-1 day"),"/");
                            echo "cart_login";
            exit();

        }

        echo "login_success";
        $BackToMyPage = $_SERVER['HTTP_REFERER'];
```

```php
if(!isset($BackToMyPage)) {
                header('Location: '.$BackToMyPage);
                echo"<script type='text/javascript'>

                </script>";
        } else {
                header('Location: index.php'); // default page
        }
            exit;
        }else{
            $email = mysqli_real_escape_string($con,$_POST["email"]);
            $password =md5($_POST["password"]) ;
                    $sql = "SELECT * FROM admin_info WHERE admin_email =
    '$email' AND admin_password = '$password'";
            $run_query = mysqli_query($con,$sql);
            $count = mysqli_num_rows($run_query);
        if($count == 1){
            $row = mysqli_fetch_array($run_query);
            $_SESSION["uid"] = $row["admin_id"];
            $_SESSION["name"] = $row["admin_name"];
            $ip_add = getenv("REMOTE_ADDR")
    echo "login_success";

                echo "<script> location.href='admin/add_product.php';
</script>";
                exit;

        }else{
            echo "<span style='color:red;'>Please register before
login..!</span>";
                exit();
        }


}


}

?>
```

Output:-

Registration Form:-

```html
<div class="wait overlay">
    <div class="loader"></div>
  </div>
<style>
.input-borders{
    border-radius:30px;
}
</style>

            <div class="container-fluid">
  <form id="signup_form" onsubmit="return false" class="login100-form">
                                <div class="billing-details jumbotron">
                                <div class="section-title">
                                            <h2 class="login100-form-
        title p-b-49" >Register Here</h2>
                                </div>
                                <div class="form-group ">

                                    <input class="input form-control input-
borders" type="text" name="f_name" id="f_name" placeholder="First Name">
                                </div>
                                <div class="form-group">

                                    <input class="input form-control input-
borders" type="text" name="l_name" id="l_name" placeholder="Last Name">
                                </div>
                                <div class="form-group">
                                    <input class="input form-control input-
borders" type="email" name="email"  placeholder="Email">
                                </div>
                                <div class="form-group">
                                    <input class="input form-control input-
borders" type="password" name="password" id="password" placeholder="password">
                                </div>
                                <div class="form-group">
                                    <input class="input form-control input-

borders" type="password" name="repassword" id="repassword" placeholder="confirm
password">
                                </div>
```
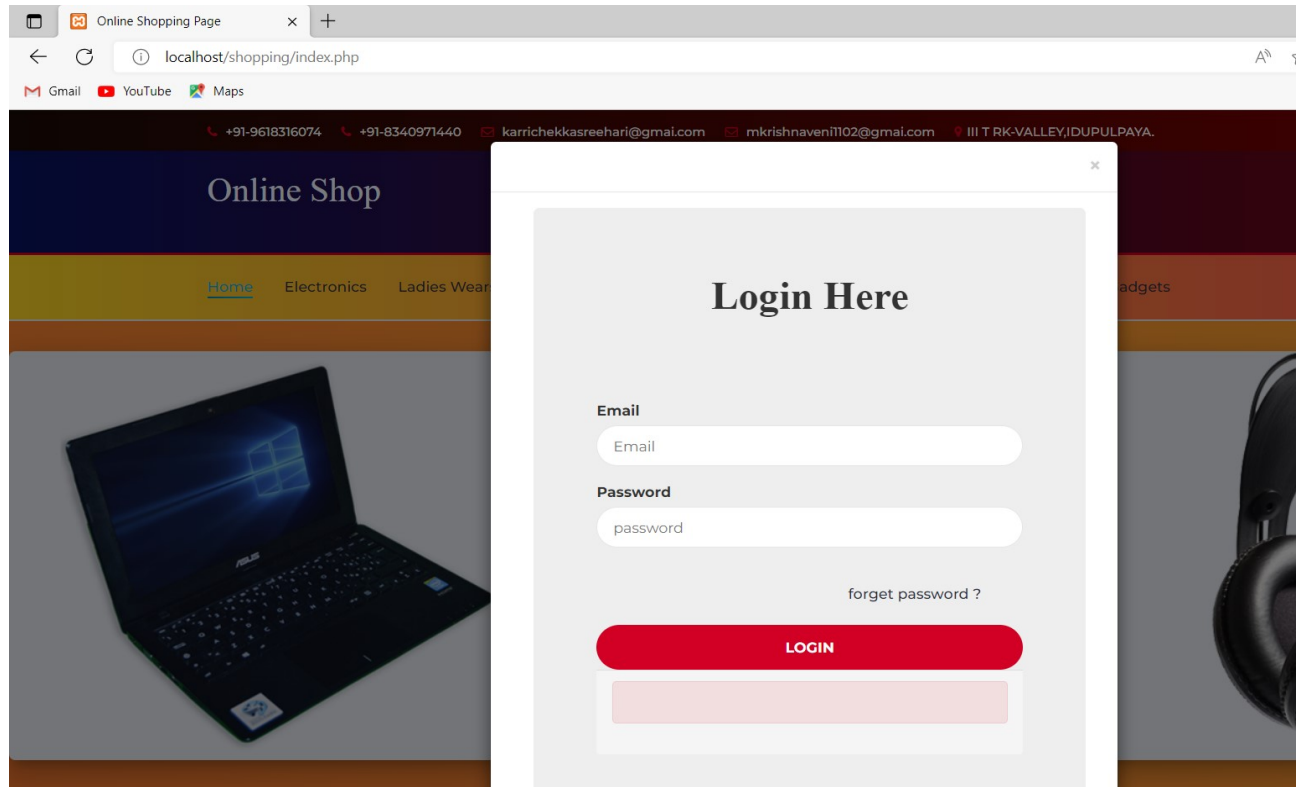
```html
                                <div class="form-group">
                                        <input class="input form-control input-
borders" type="text" name="mobile" id="mobile" placeholder="mobile">
                                </div>
                                <div class="form-group">
                                        <input class="input form-control input-
borders" type="text" name="address1" id="address1" placeholder="Address">
                                </div>
                                <div class="form-group">
                                        <input class="input form-control input-
borders" type="text" name="address2" id="address2" placeholder="City">
                                </div>


                                <div style="form-group">
                                    <input class="primary-btn btn-block"
 value="Sign Up" type="submit" name="signup_button">
                                </div>
                                <div class="text-pad">
                                <a href="" data-toggle="modal" data-
target="#Modal_login">Already have an Account ? then login</a>

                                </div>


                        </form>
                        <div class="login-marg">

                <div class="row">
                    <div class="col-md-2"></div>
                    <div class="col-md-8" id="signup_msg">


                    </div>

                </div>
                <div class="col-md-2"></div>
            </div>


        </div>
        </div>
```
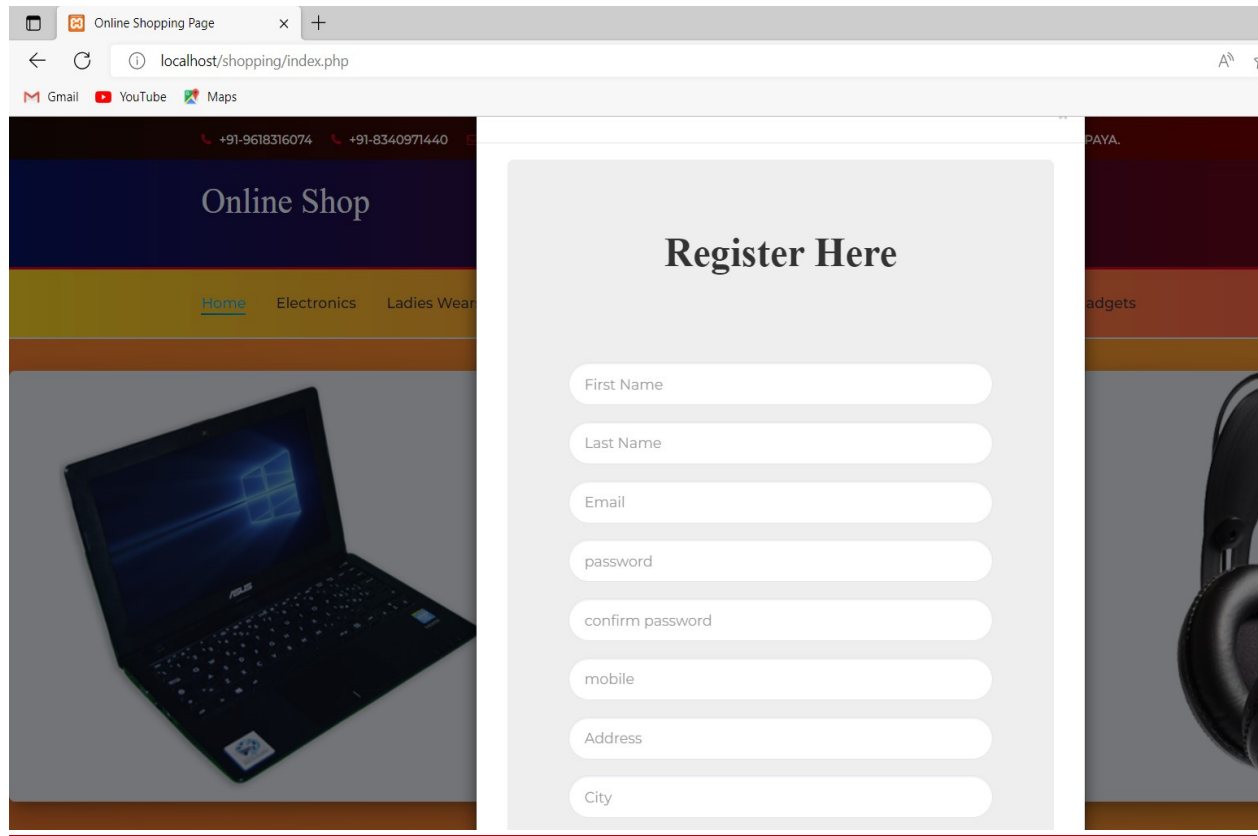
<u>Output:-</u>

Store:-

```php
<?php
include 'header.php';
?>
    <script id="jsbin-javascript">
(function (global) {
   if(typeof (global) === "undefined")
   {
       throw new Error("window is undefined");
   }
 var _hash = "!";
   var noBackPlease = function () {
       global.location.href += "#";
       global.setTimeout(function () {
           global.location.href += "!";
       }, 50);
   };
   global.onhashchange = function () {
       if (global.location.hash !== _hash) {

       global.location.hash = _hash;
       }
   };
   global.onload = function () {
       noBackPlease();
       document.body.onkeydown = function (e) {
           var elm = e.target.nodeName.toLowerCase();
           if (e.which === 8 && (elm !== 'input' && elm  !== 'textarea')) {
               e.preventDefault();
           }
           e.stopPropagation();
       };
   };
})(window);
</script>
    <div class="main main-raised">
      <div class="section">
        <div class="container">
          <div class="row">
            <div id="aside" class="col-md-3">
              <div id="get_category">
              </div>
```

```html
<div class="aside">
                    <h3 class="aside-title">Price</h3>
                    <div class="price-filter">
                        <div id="price-slider" class="noUi-target noUi-
ltr noUi-horizontal"><div class="noUi-base"><div class="noUi-origin" style="left:
0%;"><div class="noUi-handle noUi-handle-lower" data-handle="0" tabindex="0"
role="slider" aria-orientation="horizontal" aria-valuemin="0.0" aria-
valuemax="100.0" aria-valuenow="0.0" aria-valuetext="1.00" style="z-index:
5;"></div></div><div class="noUi-connect" style="left: 0%; right: 0%;"></div><div
class="noUi-origin" style="left: 100%;"><div class="noUi-handle noUi-handle-
upper" data-handle="1" tabindex="0" role="slider" aria-orientation="horizontal"
aria-valuemin="0.0" aria-valuemax="100.0" aria-valuenow="100.0" aria-
valuetext="999.00" style="z-index: 4;"></div></div></div></div>
                        <div class="input-number price-min">
                            <input id="price-min" type="number">
                            <span class="qty-up">+</span>
                            <span class="qty-down">-</span>
                        </div>
                        <span>-</span>
                        <div class="input-number price-max">
                            <input id="price-max" type="number">
                            <span class="qty-up">+</span>
                            <span class="qty-down">-</span>
                        </div>
                    </div>
                </div>
                <div id="get_brand">
                </div>
                <div class="aside">
                    <h3 class="aside-title">Top selling</h3>
                    <div id="get_product_home">
                    </div>
                </div>
            </div>
            <div id="store" class="col-md-9">
                <div class="store-filter clearfix">
                    <div class="store-sort">

                        <label>
                            Sort By:
                            <select class="input-select">
                                <option value="0">Popular</option>
                                <option value="1">Position</option>
                            </select>
```
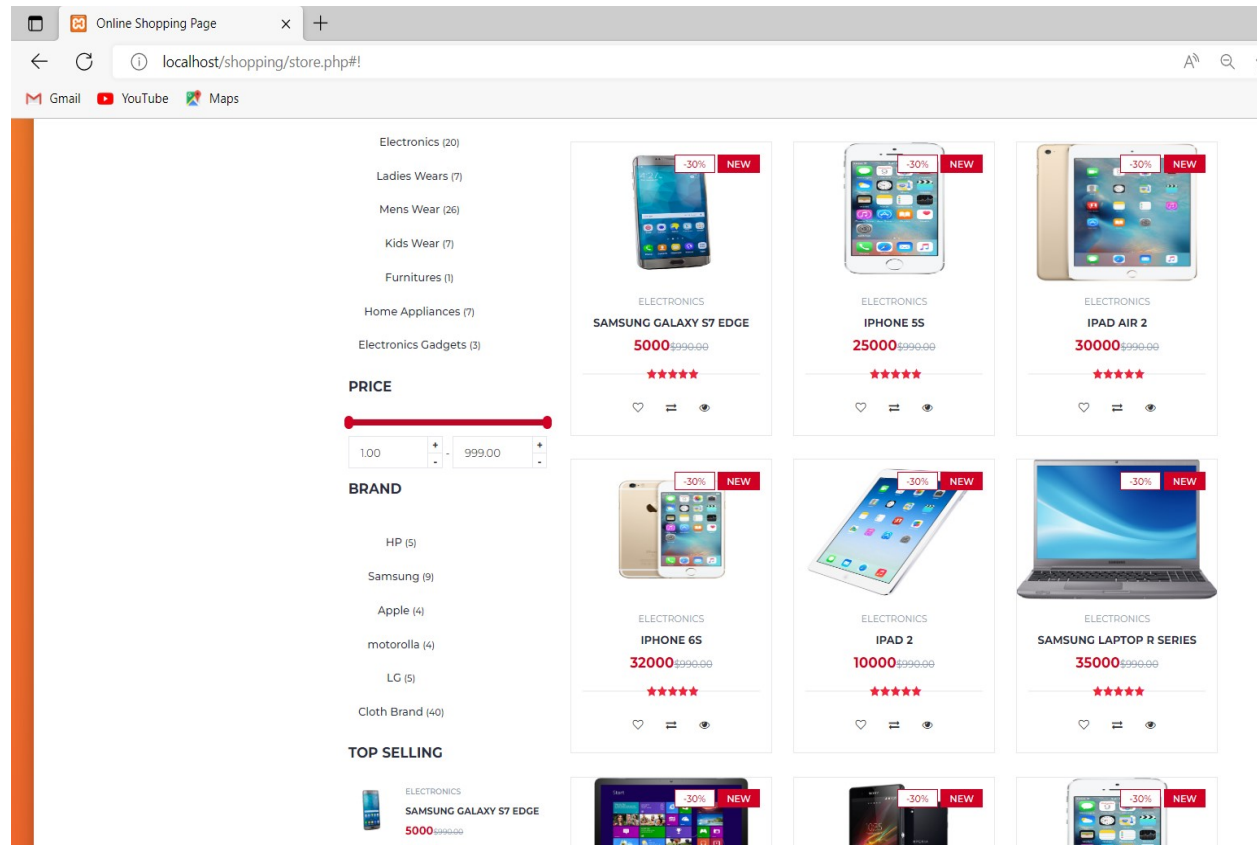
```html
                                        </label>
                                        <label>
                                            Show:
                                            <select class="input-select">
                                                <option value="0">20</option>
                                                <option value="1">50</option>
                                            </select>
                                        </label>
                                    </div>
                                    <ul class="store-grid">
                                        <li class="active"><i class="fa fa-th"></i></li>
                                        <li><a href="#"><i class="fa fa-th-
list"></i></a></li>
                                    </ul>
                                </div>
                                <div class="row" id="product-row">
                                <div class="col-md-12 col-xs-12" id="product_msg">
                            </div>
                                    <div id="get_product">
                                </div>
                                </div>
                                <div class="store-filter clearfix">
                                    <span class="store-qty">Showing 20-100
products</span>
                                    <ul class="store-pagination" id="pageno">
                                        <li ><a class="active" href="#aside">1</a></li>

                                        <li><a href="#"><i class="fa fa-angle-
right"></i></a></li>
                                    </ul>
                                </div>
                            </div>
                        </div>
                    </div>
            </div>
        </div>
        <?php
        include "newslettter.php";
        include "footer.php";
        ?>
```

Output:-

Products:-

```php
<?php
include "header.php";
?>

        <script type="text/javascript">
            jQuery(document).ready(function($) {
                $(".scroll").click(function(event){
                    event.preventDefault();

$('html,body').animate({scrollTop:$(this.hash).offset().top},900);
                });
            });
</script>
        <script>

    (function (global) {
    if(typeof (global) === "undefined")
    {
        throw new Error("window is undefined");
    }
    var _hash = "!";
    var noBackPlease = function () {
        global.location.href += "#";
        global.setTimeout(function () {
            global.location.href += "!";
        }, 50);
    };
    global.onhashchange = function () {
        if (global.location.hash !== _hash) {
            global.location.hash = _hash;
        }
    };
    global.onload = function () {
        noBackPlease();
        document.body.onkeydown = function (e) {
            var elm = e.target.nodeName.toLowerCase();
            if (e.which === 8 && (elm !== 'input' && elm  !== 'textarea')) {
                e.preventDefault();
            }
            e.stopPropagation();
        };
    };
})
```

```php
(window);
</script>

        <div class="section main main-raised">
            <div class="container">
                <div class="row">

                    <?php
                            include 'db.php';
                            $product_id = $_GET['p'];

                            $sql = " SELECT * FROM products ";
                            $sql = " SELECT * FROM products WHERE product_id
= $product_id";

                            if (!$con) {
                                die("Connection failed: " .
mysqli_connect_error());

                            }
                            $result = mysqli_query($con, $sql);
                            if (mysqli_num_rows($result) > 0)
                            {
                                while($row = mysqli_fetch_assoc($result))
                                {
                                echo '


                            <div class="col-md-5 col-md-push-2">
                            <div id="product-main-img">
                                <div class="product-preview">
                                    <img
src="product_images/'.$row['product_image'].'" alt="">
                                </div>

                                <div class="product-preview">
                                    <img
src="product_images/'.$row['product_image'].'" alt="">
                                </div>

                                <div class="product-preview">
                                    <img
src="product_images/'.$row['product_image'].'" alt="">
                                </div>
```
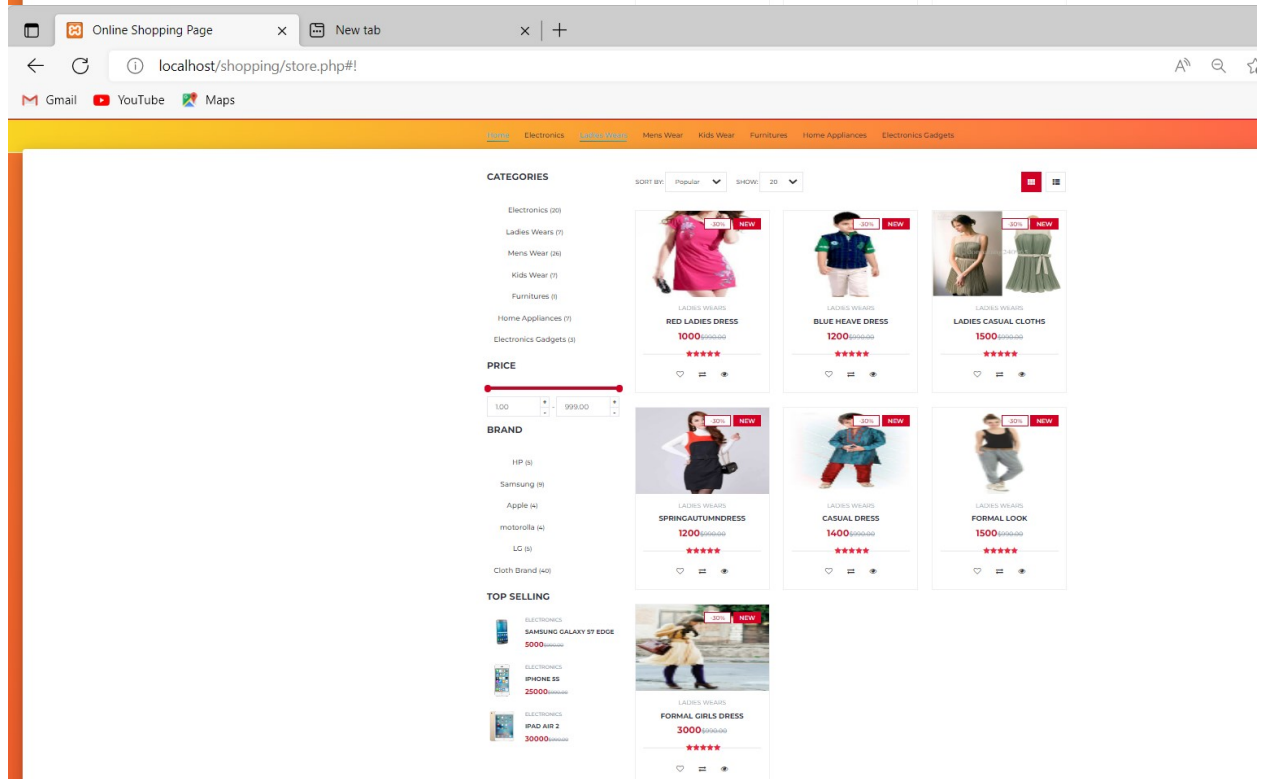
```php
<div class="product-preview">
                                        <img
src="product_images/'.$row['product_image'].'" alt="">
                                </div>
                        </div>
                </div>

                        <div class="col-md-2  col-md-pull-5">
                        <div id="product-imgs">
                            <div class="product-preview">
                                    <img
src="product_images/'.$row['product_image'].'" alt="">
                                </div>

                            <div class="product-preview">
                                    <img
src="product_images/'.$row['product_image'].'" alt="">
                                </div>

                            <div class="product-preview">
                                    <img
src="product_images/'.$row['product_image'].'g" alt="">
                                </div>

                            <div class="product-preview">
                                    <img
src="product_images/'.$row['product_image'].'" alt="">
                                </div>
                            </div>
                        </div>
            ';
        ?>
    <?php
```
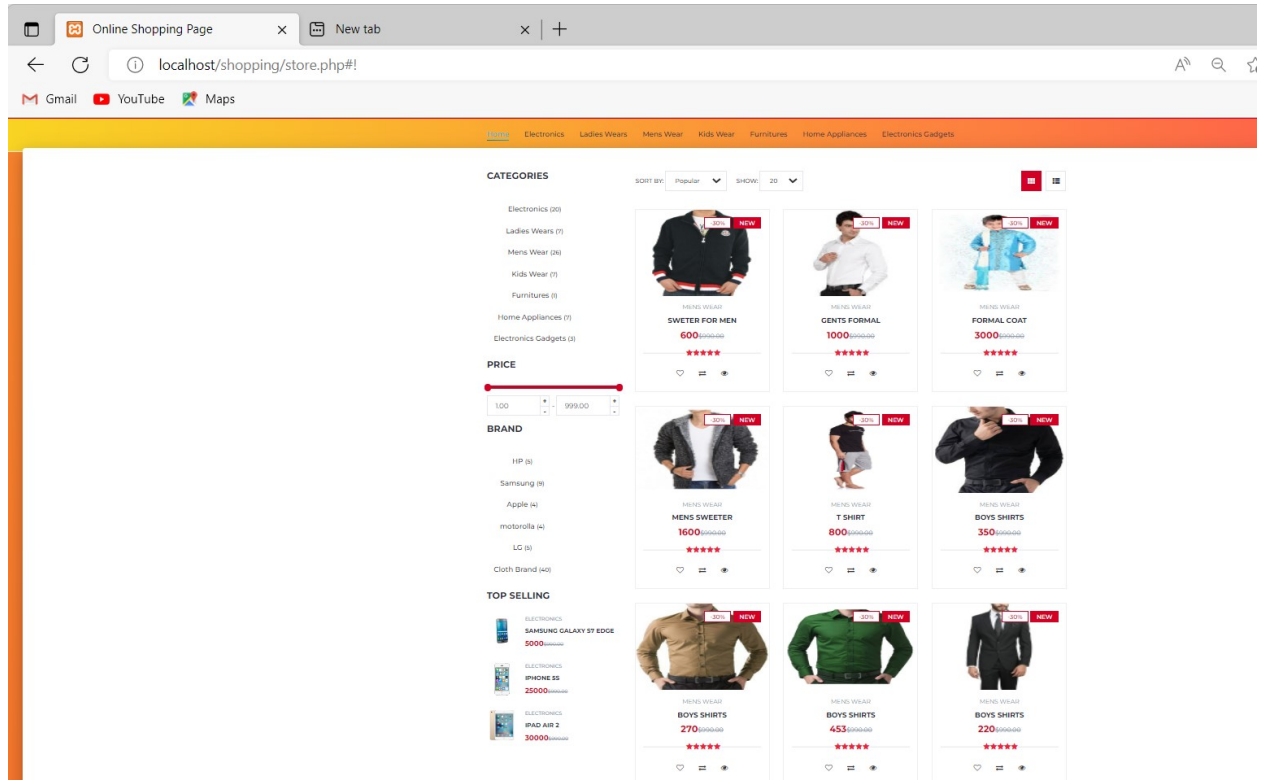
Output:-

Checkout:-

```php
<?php
include "db.php";

include "header.php";

<section class="section">
    <div class="container-fluid">
        <div class="row-checkout">
        <?php
        if(isset($_SESSION["uid"])){
            $sql = "SELECT * FROM user_info WHERE user_id='$_SESSION[uid]'";
            $query = mysqli_query($con,$sql);
            $row=mysqli_fetch_array($query);
         echo'
            <div class="col-75">
                <div class="container-checkout">
                <form id="checkout_form" action="checkout_process.php" method="POST" class="was-validated">

                    <div class="row-checkout">

                    <div class="col-50">
                        <h3>Billing Address</h3>
                        <label for="fname"><i class="fa fa-user" ></i> Full Name</label>
                        <input type="text" id="fname" class="form-control" name="firstname" pattern="^[a-zA-Z ]+$"  value="'.$row["first_name"].' '.$row["last_name"].'">
                        <label for="email"><i class="fa fa-envelope"></i> Email</label>
                        <input type="text" id="email" name="email" class="form-control" pattern="^[_a-z0-9-]+(\.[_a-z0-9-]+)*@[a-z0-9]+(\.[a-z]{2,4})$" value="'.$row["email"].'" required>
                        <label for="adr"><i class="fa fa-address-card-o"></i> Address</label>
                        <input type="text" id="adr" name="address" class="form-control" value="'.$row["address1"].'" required>
                        <label for="city"><i class="fa fa-institution"></i> City</label>
                        <input type="text" id="city" name="city" class="form-control" value="'.$row["address2"].'" pattern="^[a-zA-Z ]+$" required>
```

```html
<div class="row">
<div class="col-50">
    <label for="state">State</label>
    <input type="text" id="state" name="state"
class="form-control" pattern="^[a-zA-Z ]+$" required>
    </div>
<div class="col-50">
    <label for="zip">Zip</label>
    <input type="text" id="zip" name="zip" class="form-
control" pattern="^[0-9]{6}(?:-[0-9]{4})?$" required>
    </div>
    </div>
</div>
<div class="col-50">
    <h3>Payment</h3>
    <label for="fname">Accepted Cards</label>
    <div class="icon-container">
    <i class="fa fa-cc-visa" style="color:navy;"></i>
    <i class="fa fa-cc-amex" style="color:blue;"></i>
    <i class="fa fa-cc-mastercard" style="color:red;"></i>
    <i class="fa fa-cc-discover" style="color:orange;"></i>
    </div>
    <label for="cname">Name on Card</label>
    <input type="text" id="cname" name="cardname"
class="form-control" pattern="^[a-zA-Z ]+$" required>

    <div class="form-group" id="card-number-field">
    <label for="cardNumber">Card Number</label>
    <input type="text" class="form-control" id="cardNumber"
name="cardNumber" required>
    </div>
    <label for="expdate">Exp Date</label>
    <input type="text" id="expdate" name="expdate"
class="form-control" pattern="^((0[1-9])|(1[0-2]))\/(\d{2})$"
placeholder="12/22"required>

    <label for="cardNumber">Card Number</label>
    <input type="text" class="form-control" id="cardNumber"
name="cardNumber" required>
    </div>
    <label for="expdate">Exp Date</label>

    <label for="cardNumber">Card Number</label>
```

```html
                        <input type="text" class="form-control" id="cardNumber"
name="cardNumber" required>
                         </div>
                        <label for="expdate">Exp Date</label>
                        <input type="text" id="expdate" name="expdate"
class="form-control" pattern="^((0[1-9])|(1[0-2]))\/(\d{2})$"
placeholder="12/22"required>
                        <div class="row">
                        <div class="col-50">
                    <div class="form-group CVV">
                                <label for="cvv">CVV</label>
                                <input type="text" class="form-control"
name="cvv" id="cvv" required>
                        </div>
                        </div>
                    </div>
                    </div>
                    </div>
                    <label><input type="CHECKBOX" name="q" class="roomselect"
value="conform" required> Shipping address same as billing
                    </label>';
                    $i=1;
                    $total=0;
                    $total_count=$_POST['total_count'];
                    while($i<=$total_count){
                        $item_name_ = $_POST['item_name_'.$i];
                        $amount_ = $_POST['amount_'.$i];
                        $quantity_ = $_POST['quantity_'.$i];
                        $total=$total+$amount_ ;
                        $sql = "SELECT product_id FROM products WHERE
product_title='$item_name_'";
                        $query = mysqli_query($con,$sql);
                        $row=mysqli_fetch_array($query);
                        $product_id=$row["product_id"];
                        echo "
                        <input type='hidden' name='prod_id_$i'
value='$product_id'>
                        <input type='hidden' name='prod_price_$i'
value='$amount_'>
                        <input type='hidden' name='prod_qty_$i'
value='$quantity_'>
                        ";
```

```php
                $i++;
                 }

            echo'
            <input type="hidden" name="total_count" value="'.$total_count.'">
                <input type="hidden" name="total_price" value="'.$total.'">

                <input type="submit" id="submit" value="Continue to checkout"
class="checkout-btn">
                </form>
            </div>
        </div>
         ';
    }else{
        echo"<script>window.location.href = 'cart.php'</script>";
    }
    ?>

        <div class="col-25">
            <div class="container-checkout">

            <?php
            if (isset($_POST["cmd"])) {

                $user_id = $_POST['custom'];
                $i=1;
                echo"
                <h4>Cart
                <span class='price' style='color:black'>
                <i class='fa fa-shopping-cart'></i>
                <b>$total_count</b>
                </span>
            </h4>
                <table class='table table-condensed'>
                <thead><tr>
                <th >no</th>
                <th >product title</th>
                <th >   qty </th>
                <th >   amount</th></tr>
                </thead>
                <tbody>
                ";
                $total=0;
                while($i<=$total_count){
                    $item_name_ = $_POST['item_name_'.$i];
                            $item_number_ = $_POST['item_number_'.$i];
                    $amount_ = $_POST['amount_'.$i];
```

```php
                    $quantity_ = $_POST['quantity_'.$i];
                    $total=$total+$amount_  ;
                    $sql = "SELECT product_id FROM products WHERE
product_title='$item_name_'";
                    $query = mysqli_query($con,$sql);
                    $row=mysqli_fetch_array($query);
                    $product_id=$row["product_id"];

                    echo "


<tr><td><p>$item_number_</p></td><td><p>$item_name_</p></td><td
><p>$quantity_</p></td><td ><p>$amount_</p></td></tr>";

                    $i++;
                }

            echo"

            </tbody>
            </table>
            <hr>

            <h3>total<span class='price'
style='color:black'><b>$$total</b></span></h3>";

            }
            ?>
            </div>
        </div>
    </div>
</div>
```

Output:-

Footer:-

```
<footer id="footer">
        <div class="section">
            <div class="container">
                <div class="row">
                    <div class="col-md-3 col-xs-6">
                        <div class="footer">
                            <h3 class="footer-title">About Us</h3>
                                        <p>This is my E-commerce
            website Mini project.</p>
                            <ul class="footer-links">
<li>href="#"><i class="fa fa-name"></i> Team Member Deatils:- </a></li>
<li><a href="#"><i class="fa fa-group"></i> K.Sreehari. </a></li>
<li><a href="#"><i class="fa fa-group"></i> M.Krishnaveni. </a></li>
<li><a href="#"><i class="fa fa-phone"></i> +91-9618316074 </a></li>
<li><a href="#"><i class="fa fa-phone"></i> +91-8340971440 </a></li>
<li><a href="#"><i class="fa fa-envelope-o"></i>
karrichekkasreehari@gmail.com</a></li>
<li><a href="#"><i class="fa fa-envelope-
o"></i>mkrishnaveni1102@gmail.com</a></li>
<li><a href="#"><i class="fa fa-map-marker"></i>Rk-valley,Idupulapaya</a></li
            </ul>
        </div>
    </div>
            <div class="col-md-6 text-center" style="margin-top:80px;">
              <ul class="footer-payments">
                  <li><a href="#"><i class="fa fa-cc-visa"></i></a></li>
                  <li><a href="#"><i class="fa fa-credit-card"></i></a></li>
                  <li><a href="#"><i class="fa fa-cc-paypal"></i></a></li>
                   <li><a href="#"><i class="fa fa-cc-mastercard"></i></a></li>
                  <li><a href="#"><i class="fa fa-cc-discover"></i></a></li>
                   <li><a href="#"><i class="fa fa-cc-amex"></i></a></li>
              </ul>
          </div>

                  <div class="col-md-3 col-xs-6">
                        <div class="footer">
                            <h3 class="footer-title">Categories</h3>
                            <ul class="footer-links">
                                <li><a href="#">Mobiles</a></li>
                                <li><a href="#">Men</a></li>
                                <li><a href="#">Women</a></li>
                                <li><a href="#">Kids</a></li>
                                <li><a href="#">Accessories</a></li
                        </ul>
```

```html
                    </div>
                    </div>
                    <div class="clearfix visible-xs"></div>
                </div>
            </div>
        </div>
    </footer>
    <script src="js/jquery.min.js"></script>
    <script src="js/bootstrap.min.js"></script>
    <script src="js/slick.min.js"></script>
    <script src="js/nouislider.min.js"></script>
    <script src="js/jquery.zoom.min.js"></script>
    <script src="js/main.js"></script>
    <script src="js/actions.js"></script>
    <script src="js/sweetalert.min"></script>
    <script src="js/jquery.payform.min.js" charset="utf-8"></script>
<script src="js/script.js"></script>
    <script>var c = 0;
    function menu(){
      if(c % 2 == 0) {
        document.querySelector('.cont_drobpdown_menu').className =
"cont_drobpdown_menu active";
        document.querySelector('.cont_icon_trg').className = "cont_icon_trg
active";
        c++;
          }else{
        document.querySelector('.cont_drobpdown_menu').className =
"cont_drobpdown_menu disable";
        document.querySelector('.cont_icon_trg').className = "cont_icon_trg
disable";
        c++;
          }
      }

</script>
    <script type="text/javascript">
      $('.block2-btn-addcart').each(function(){
        var nameProduct = $(this).parent().parent().parent().find('.block2-
name').html();
        $(this).on('click', function(){
          swal(nameProduct, "is added to cart !", "success");
        });
      });
```
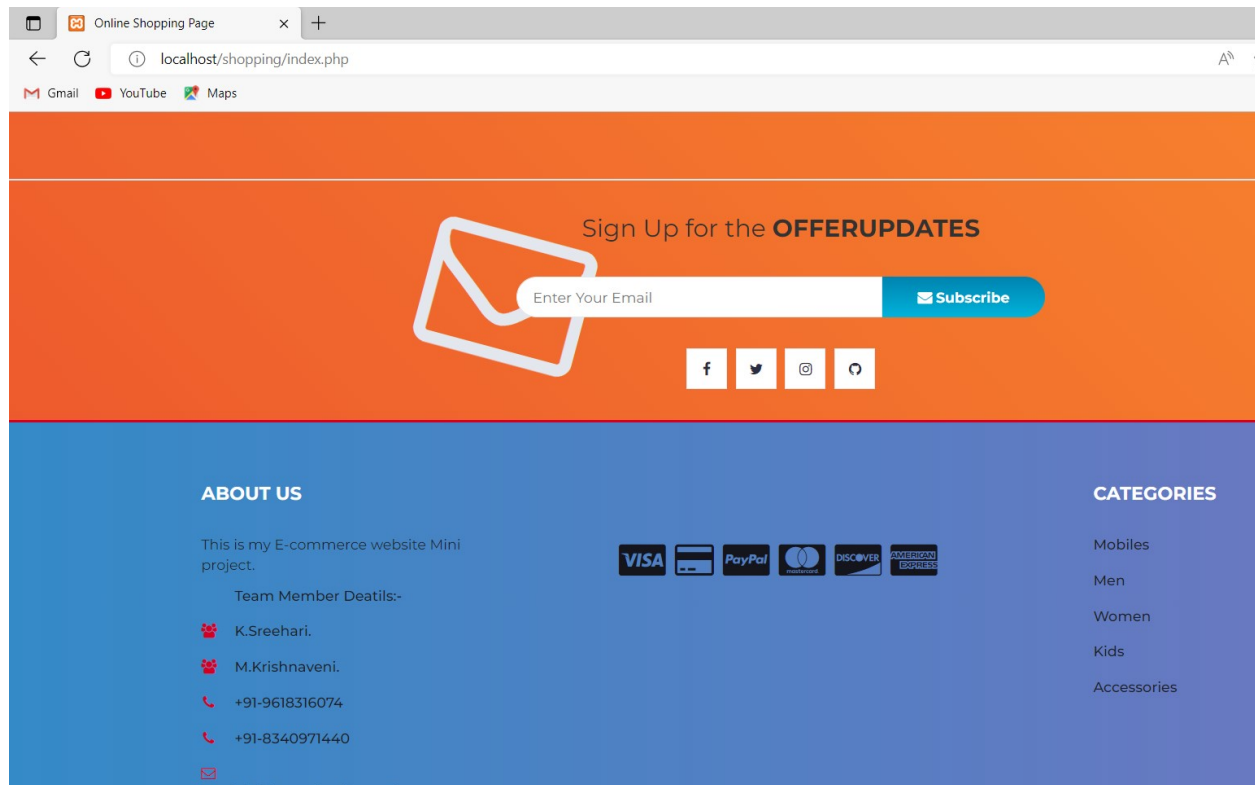
```
$('.block2-btn-addwishlist').each(function(){
        var nameProduct = $(this).parent().parent().parent().find('.block2-
name').html();
        $(this).on('click', function(){
            swal(nameProduct, "is added to wishlist !", "success");
        });
    });
    </script>
```

<u>Output:-</u>

Body:-

```html
<div id="hot-deal" class="section mainn mainn-raised">
    <div class="container">
        <div class="row">
            <div class="col-md-12">
                <div class="hot-deal">
                    <ul class="hot-deal-countdown">
                        <li>
                            <div>
                                <h3>02</h3>
                                <span>Days</span>
                            </div>
                        </li>
                        <li>
                            <div>
                                <h3>10</h3>
                                <span>Hours</span>
                            </div>
                        </li>
                        <li>
                            <div>
                                <h3>34</h3>
                                <span>Mins</span>
                            </div>
                        </li>
                        <li>
                            <div>
                                <h3>60</h3>
                                <span>Secs</span>
                            </div>
                        </li>
                    </ul>
                    <h2 class="text-uppercase">hot deal this week</h2>
                    <p>New Collection Up to 50% OFF</p>
                <a class="primary-btn cta-btn" href="store.php">Shop
now</a>
                </div>
            </div>
        </div>
    </div>
        <div class="section">
        <div class="container">
            <div class="row">
```

```php
        <div class="col-md-12"

                <div class="section-title">
                <h3 class="title">Top selling</h3>
                    </div>
                </div>
                <div class="col-md-12 mainn mainn-raised">
                    <div class="row">
                        <div class="products-tabs">
                            <div id="tab2" class="tab-pane fade in active">
                                <div class="products-slick" data-nav="#slick-
nav-2">

                                    <?php
                include 'db.php';


                $product_query = "SELECT * FROM products,categories WHERE
product_cat=cat_id AND product_id BETWEEN 59 AND 65";
                $run_query = mysqli_query($con,$product_query);
                if(mysqli_num_rows($run_query) > 0){

                    while($row = mysqli_fetch_array($run_query)){
                        $pro_id    = $row['product_id'];
                        $pro_cat   = $row['product_cat'];
                        $pro_brand = $row['product_brand'];
                        $pro_title = $row['product_title'];
                        $pro_price = $row['product_price'];
                        $pro_image = $row['product_image'];

                        $cat_name = $row["cat_title"];

                        echo "


                            <div class='product'>
                                <a href='product.php?p=$pro_id'><div
class='product-img'>
                                    <img src='product_images/$pro_image'
style='max-height: 170px;' alt=''>
                                    <div class='product-label'>
                                        <span class='sale'>-30%</span>
                                        <span class='new'>NEW</span>
                                    </div>
                                </div></a>
```

```
                                   <p class='product-category'>$cat_name

                                       <h3 class='product-name header-cart-
                                   item-name'><a
                                   href='product.php?p=$pro_id'>$pro_title</a>
                                   </h3>
                                   <h4 class='product-price header-cart-item-
                                   info'>$pro_price<del class='product-old-
                                   price'>$990.00</del></h4>
                                   <div class='product-rating'>
                                           <i class='fa fa-star'></i>
                                           <i class='fa fa-star'></i>
                                           <i class='fa fa-star'></i>
                                           <i class='fa fa-star-o'></i>
                                           <i class='fa fa-star-0'></i>
                                       </div>
                                       <div class='product-btns'>
                                           <button class='add-to-wishlist'><i
class='fa fa-heart-o'></i><span class='tooltipp'>add to wishlist</span></button>
                                           <button class='add-to-compare'><i
class='fa fa-exchange'></i><span class='tooltipp'>add to compare</span></button>
                                           <button class='quick-view'><i
class='fa fa-eye'></i><span class='tooltipp'>quick view</span></button>
                                       </div>
                                   </div>
                                   <div class='add-to-cart'>
                                       <button pid='$pro_id' id='product'
class='add-to-cart-btn block2-btn-towishlist' href='#'><i class='fa fa-shopping-
cart'></i> add to cart</button>
                                   </div>
                               </div>



        ";
      }
      ;


  }
  ?>
```
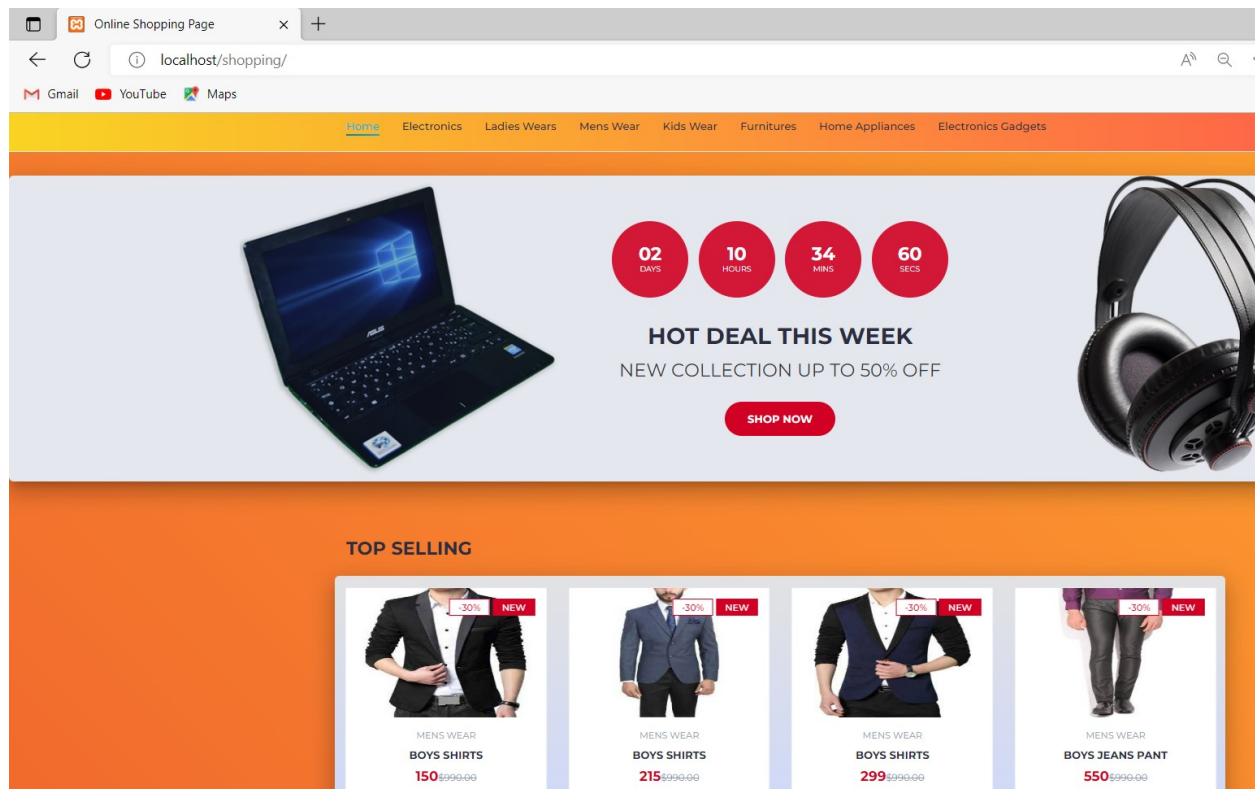
Output:-

Conclusion:-

After careful oberservation, it has come to my conclusion that e-commerce has undeniably become an important part of our society. The world wide web is and will have a large part in our daily lives. It is therefore critical that small businesses have their own to keep in competition with the larger websites.

These business transactions occur either as business-to-business (B2B), business-to-consumer (B2C), consumer-to-consumer or consumer-to-business.

<u>Future Enhancement:-</u>

- ➢ In the future we can add the Retailers modules for best quality purpose.
- ➢ We can add the machine Learning Algorithms for automated shopping in the store.
- ➢ We can add the return orders after the orders are delivered to the customer and the customer is not satisfied about their products.
- ➢ Maintaining retailers and Designers data are helpful in the improving the marketing tactics.

References:-

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➢ **CSS – GeeksforGeeks**

PHP:

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➢ **https://www.mysql.com**

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BootStrap:-

➢ **https://getbootstrap.com**

➢ **Bootstrap – GeeksforGeeks**

J-Query:-

➢ **https://jquery.com**

➢ **jQuery – GeeksforGeeks**