Project Report on

E-COMMERCE WEBSITE

Submitted by

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RAJIV GANDHI UNIVERSITY OF KNOWLEDGE TECHNOLOGIES

(A.P. Government Act 18 of 2008)

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CERTIFICATE OF PROJECT COMPLETION

This is to certify that I have examined the thesis entitled submitted by BHAVANA P(R170408) under the guidance and supervision for the partial fulfillment for the degree of Bachelor of Technology in Computer Science and Engineering during the academic session September 2022 – April 2023 from 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.

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DECLARATION

We hereby declare that the project report entitled “E-commerce website” done by is under guidance of Ms C Suneetha is submitted in partial fulfillment for the degree of Bachelor of Technology in Computer Science and Engineering during the academic session September 2022 – April 2023 at RGUKT – RK Valley. We also declare that this project is a result of our own effort and has not been copied or imitated from any source. Citations from any websites are mentioned in the references. To the best of our knowledge, the results embodied in this dissertion of work have not been submitted to any university or institute for the award of any degree or diploma.

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ABSTRACT

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 but or sell the products. 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 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 mobile phones) can be bought from the comfort of home through the internet.
- This project is mainly divided into two categories. The Administrators and customers/users.
- The store manager and the staff members operates 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 customers 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.

PROBLEM STATEMENT

E-Commerce provides an easy way to sell products to a large customer base. However there is a lot of competition among multiple e – commerce sites. When users land on an e-commerce site, they expect to find what they are looking for quickly and easily. Also, users are not sure about the brands or the actual products they want to purchase. They have a very broad idea about what they want to buy. Many customers now a days search for their products on Google rather than visiting specific e-commerce sites that have their product. The purpose of any e-commerce website is to help customers narrow down their broad ideas and enable them to finalise the products…

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 FOR THE PROBLEM STATEMENT

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

- Admin
- User

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 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.

Products:

These Module Contains that includes the types of categories in the products(ex:-Mobile phones.) This product module contains the functions of bootstrap when we click in the product it can add to cart.

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.

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.

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.

Source code:

Code For Sign-up:

```
<?php
require("includes/common.php");
 if (isset($_SESSION['email'])) {
header('location: products.php');
}
?>
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Sign Up | E-Store.com</title>
        <link rel="shortcut icon" href="./img/srtcticon.png"
type="image/png">
      <meta name="viewport" content="width=device-width, initial-
scale=1">     <!-- Bootstrap Core CSS -->
      <link href="css/bootstrap.css" rel="stylesheet">
    <!-- Custom CSS -->
      <link href="css/style.css" rel="stylesheet">
    <!-- jQuery -->
      <script src="js/jquery.js"></script>
    <!-- Bootstrap Core JavaScript -->
      <script src="js/bootstrap.min.js"></script>
</head>
<body>
    <?php include "includes/header.php"; ?>
    <div class="container">
        <div class="row">
```

```
      <div class="col-sm-7">
         <img src="./img/signuppage.jpg">
      </div>
       <div class="col-sm-5">
            <h2 style="color:orange">SIGN UP</h2>
            <form  action="signup_script.php" method="POST">
            <div class="form-group col-sm-10">
       <input class="form-control" placeholder="Name" name="name"
 pattern="[A-Za-z-0-9]+\s[A-Za-z-'0-9]+" required>
             </div>
            <div class="form-group col-sm-10">
              <input type="email" class="form-control"  placeholder="Email"
 pattern="[a-z0-9._%+-]+@[a-z0-9.-]+\.[a-z]{2,3}$"  name="email" required>
 <?php
 if(isset($_GET["m1"])){
 echo $_GET['m1'];
 }
 ?>
 </div>
      <div class="form-group col-sm-10">
        <input type="password" class="form-control" placeholder="Password"
pattern=".{6,}" name="password" required>
       </div>
 <div class="form-group col-sm-10">
          <input type="text" class="form-control"  placeholder="Contact"
 maxlength="10" size="10" name="contact" required>
 <?php
 if(isset($_GET["m2"])){
 echo $_GET['m2'];
 }
 ?>
 </div>
 <div class="form-group col-sm-10">
 <input  type="text" class="form-control"  placeholder="City" name="city"  >
 </div>
       <div class="form-group col-sm-10">
      <input  type="text" class="form-control"  placeholder="Address"
 name="address" >
 </div>
 <div class="col-sm-10">
        <button type="submit" name="submit" class="btn
 btnprimary">Submit</button>       </div>
        <div class="col-sm-10">Already have an account ?<a href="login.php">
 Login</a>
        </div>
        </form>
        </div>
    </div>
    </div>
```

```
      <?php include "includes/footer.php"; ?>
    </body>
</html>
```

Code for login:

```
 <?php
require("includes/common.php");
$email = $_POST['e-mail'];
$email = mysqli_real_escape_string($con, $email);
$password = $_POST['password'];
$password = mysqli_real_escape_string($con, $password);
$password = MD5($password);
// Query checks if the email and password are present in the database.
$query = "SELECT id, email FROM users WHERE email='" . $email . "' AND password='"
. $password . "'";
$result = mysqli_query($con, $query)or
die($mysqli_error($con)); $num = mysqli_num_rows($result);
// If the email and password are not present in the database, the
mysqli_num_rows returns 0, it is assigned to $num.
if ($num == 0) {
  $error = $$_GET['error'];
  $error = "<span class='red'>Enter Correct E-mail and Password
Combination</span>";   header('location: login.php?error=' .
$error);
} else {
  $row = mysqli_fetch_array($result);
  $_SESSION['email'] = $row['email'];
$_SESSION['user_id'] = $row['id'];   header('location:
products.php');
}
?>
```

Code for Index:

```
<?php
require("includes/common.php");
 if (isset($_SESSION['email'])) {
header('location: products.php');
}
?>

<!DOCTYPE html>
<html lang="en">
    <head>
        <title>Home | E-Store.com</title>
        <link rel="shortcut icon" href="img\srtcticon.png" type="image/png">
          <meta name="viewport" content="width=device-width, initial-
scale=1">          <!-- Bootstrap Core CSS -->
          <link href="css/bootstrap.css" rel="stylesheet">
```

```
        <!-- Custom CSS -->
      <link href="./css/style.css" rel="stylesheet">
    <!-- jQuery -->
      <script src="js/jquery.js"></script>
    <!-- Bootstrap Core JavaScript -->
      <script src="js/bootstrap.min.js"></script>
</head>
<body style="padding-top: 50px;">

    <!-- Header -->
    <?php         include
 'includes/header.php';
        ?>
        <!--Header end-->

        <div id="content">
            <!--Main banner image-->
            <div id = "banner_image">
                <div class="container">
                    <center>
                        <div id="banner_content">
                            <h1>Biggest Online Mobile Store</h1>
                            <h4><p>Flat
  &#8377;2,000  OFF  on all products.</p></h4>
                            <br>
                            <br>
                            <a  href="products.php" class="btn btn-danger
 btn-lg active">Shop Now</a>
                    </div>
                </center>
            </div>
        </div>
        <br>
        <br>
        <!--Main banner image end-->

        <!--Item categories listing-->
        <div class="container text-center">
            <div id="item_list">
                <div class="panel panel-default">
                    <div class="panel-heading  color">
                        <h3
 style="color:orange">Choose  From  wide  rang
 es 
 ; of  brands</h3>
                        </div>

                <div class="panel-body">
```

```
                    <div class="col-sm-3">
                        <a href="products.php#ios">
                           <div class="thumbnail">
                                <img src="./img/iphonex.png" alt="iphone x" >
                                    <div class="caption">
                                        <h3>Apple</h3>
                                    </div>
                            </div>
                        </a>
                    </div>

                     <div class="col-sm-3">
                        <a href="products.php#samsung">
                           <div class="thumbnail">
                                      <img src="./img/samsungnote8plus.png"
alt="galaxy note 8 plus" >
                                    <div class="caption">
                                        <h3>Samsung</h3>
                                    </div>
                            </div>
                        </a>
                    </div>

                     <div class="col-sm-3">
                        <a href="products.php#oneplus">
                           <div class="thumbnail">
                                <img src="./img/op5t.png" alt="oneplus" >
                                    <div class="caption">
                                        <h3>OnePlus</h3>
                                    </div>
                            </div>
                        </a>
                    </div>

                     <div class="col-sm-3">
                        <a href="products.php#xiaomi">
                           <div class="thumbnail">
                                <img src="./img/mimix2.png" alt="mi mix 2" >
                                    <div class="caption">
                                        <h3>Xioami</h3>
                                    </div>
                            </div>
                        </a>
                    </div>
                </div>
            </div>
```

```
            </div>
          </div>
          <!--Item categories listing end-->
      </div>

           <!--Footer-->         <?php
    include 'includes/footer.php';
        ?>
        <!--Footer end-->

          </body>

</html>
```

Code for Add to cart:

```
 <?php require("includes/common.php"); if
(isset($_GET['id']) && is_numeric($_GET['id'])) {
    $item_id = $_GET['id'];
    $user_id = $_SESSION['user_id'];
    $query = "INSERT INTO users_items(user_id, item_id, status) VALUES('$user_id',
'$item_id', 'Added to cart')";     mysqli_query($con,
$query) or die(mysqli_error($con));
header('location: products.php');
}
?>
```

Code to check if product added to cart or not:

```
 <?php function
check_if_added_to_cart($item_id) {
$user_id = $_SESSION['user_id']; //We'll get the user_id from the session
require("common.php"); // connecting to the database
$query = "SELECT * FROM users_items WHERE item_id='$item_id' AND user_id
='$user_id' and status='Added to cart'";
    $result = mysqli_query($con, $query) or die(mysqli_error($con));
if (mysqli_num_rows($result) >= 1) {  return 1;     } else {
return 0;
    }
}
?
>
```

Code to confirm order:

```
<?php
require("includes/common.php");
if (!isset($_SESSION['email']))
{     header('location:
index.php');
}
$user_id = $_SESSION['user_id'];
$item_ids_string = $_GET['itemsid'];
```

```
//We will change the status of the items purchased by the user to 'Confirmed'
$query = "UPDATE users_items SET status='Confirmed' WHERE user_id=" .
$user_id . "  AND item_id IN (" . $item_ids_string . ") and status='Added to
cart'"; mysqli_query($con, $query) or die($mysqli_error($con));  ?>

<!DOCTYPE html>

<head>
    <title>Success | Life Style Store</title>
    <link rel="shortcut icon" href="img\srtcticon.png" type="image/png">
      <meta name="viewport" content="width=device-width, initial-scale=1">
<!-- Bootstrap Core CSS -->
      <link href="css/bootstrap.css" rel="stylesheet">
    <!-- Custom CSS -->
      <link href="css/style.css" rel="stylesheet">
    <!-- jQuery -->
      <script src="js/jquery.js"></script>
    <!-- Bootstrap Core JavaScript -->
      <script src="js/bootstrap.min.js"></script>
</head>

  <body>
          <?php include 'includes/header.php'; ?>
          <div class="container-fluid" id="content">
              <div class="col-md-12">
                  <div class="jumbotron" <h3 align="center">Your order is
  confirmed.
        Thank you for shopping with us.</h3><hr>
                      <p align="center">Click <a href="products.php">here</a>
        to purchase any other item.</p>
                  </div>
              </div>
          </div>
          <?php include("includes/footer.php");
          ?>
        </body>
  </html>
```

Code for remove cart:-

```
<?php  require("includes/common.php"); if
(isset($_GET['id']) && is_numeric($_GET['id'])) {
    $item_id = $_GET["id"];
    $user_id = $_SESSION['user_id'];

    // Delete the rows from user_items table where item_id and user_id equal to
the item_id and user_id we got from the cart page and session     $query =
```

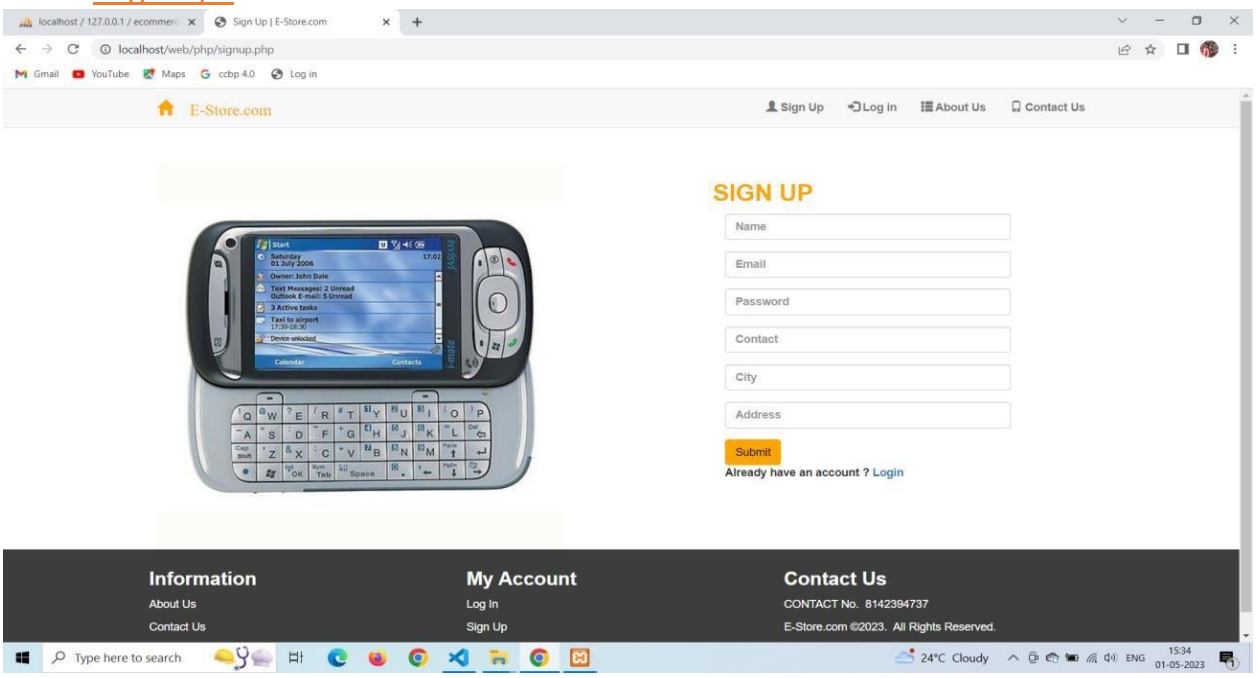
```
"DELETE FROM users_items WHERE item_id='$item_id' AND user_id='$user_id'
";      $res = mysqli_query($con, $query) or die($mysqli_error($con));
header("location:cart.php");
}
?>
```

Code for Logout:

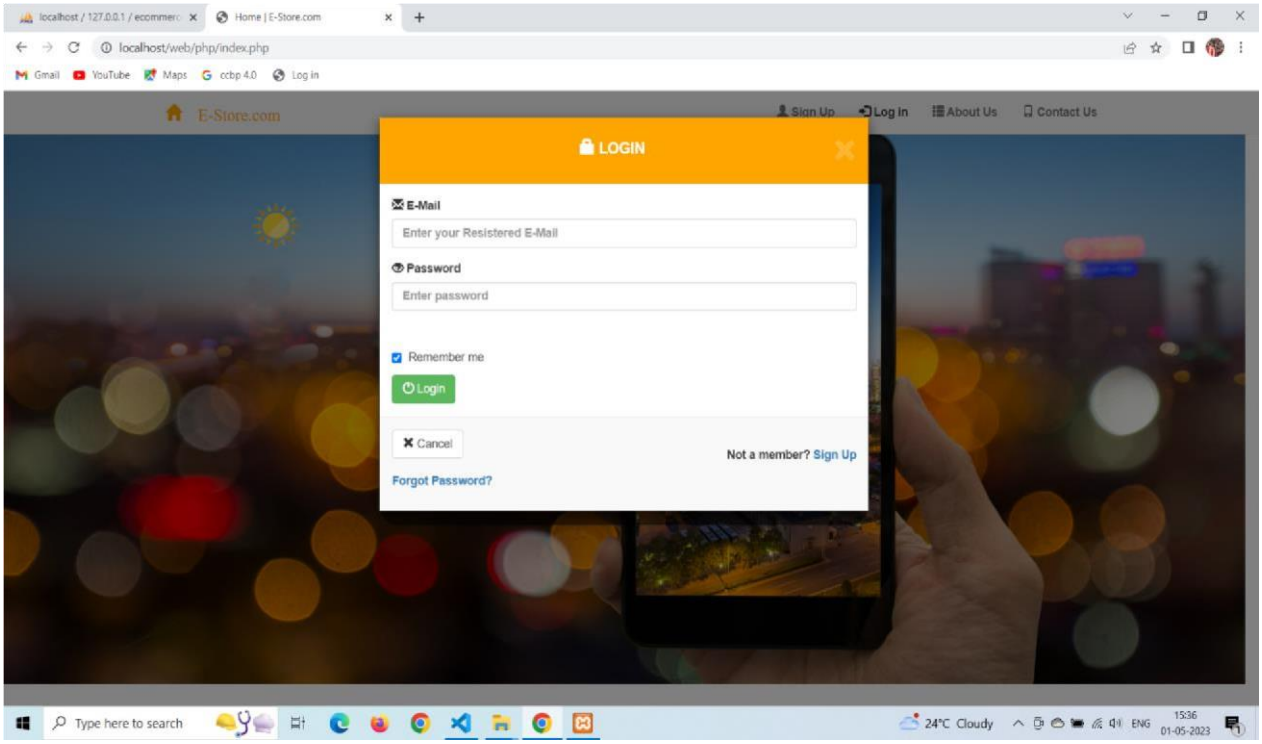
```
<?php session_start(); if
(!isset($_SESSION['email'])) {
header('location: login.php');
}
session_destroy();
header('location: index.php');
?>
```

Reference Images:

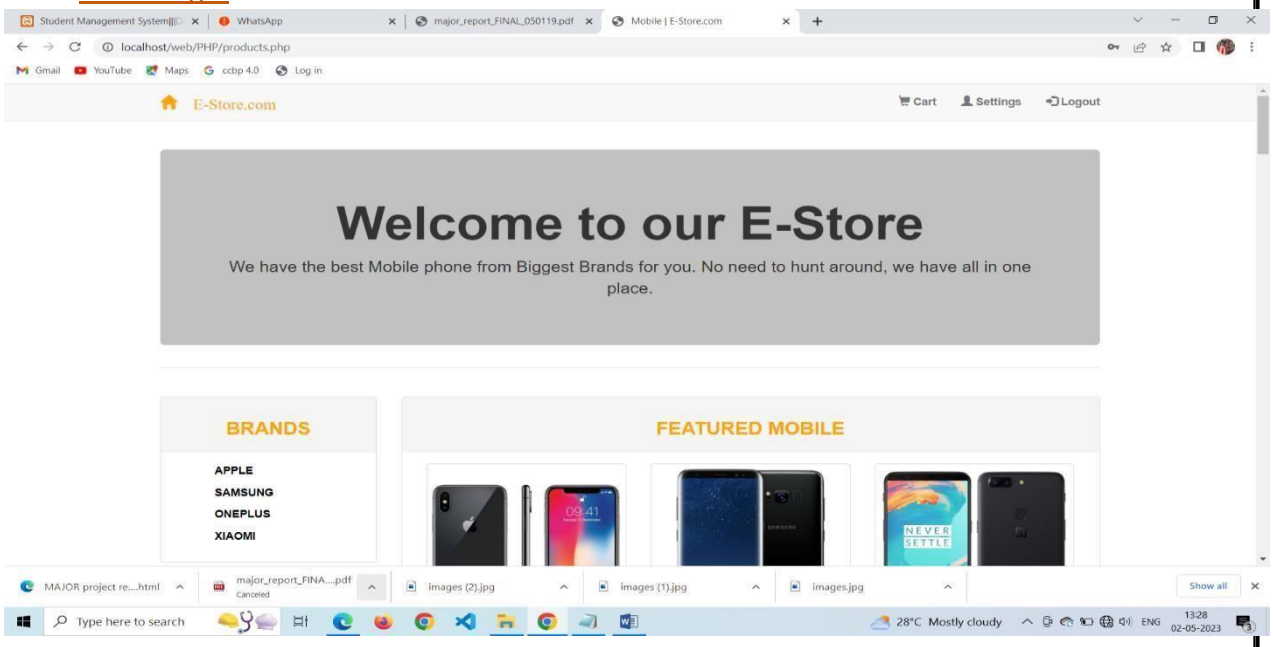
Sign up:



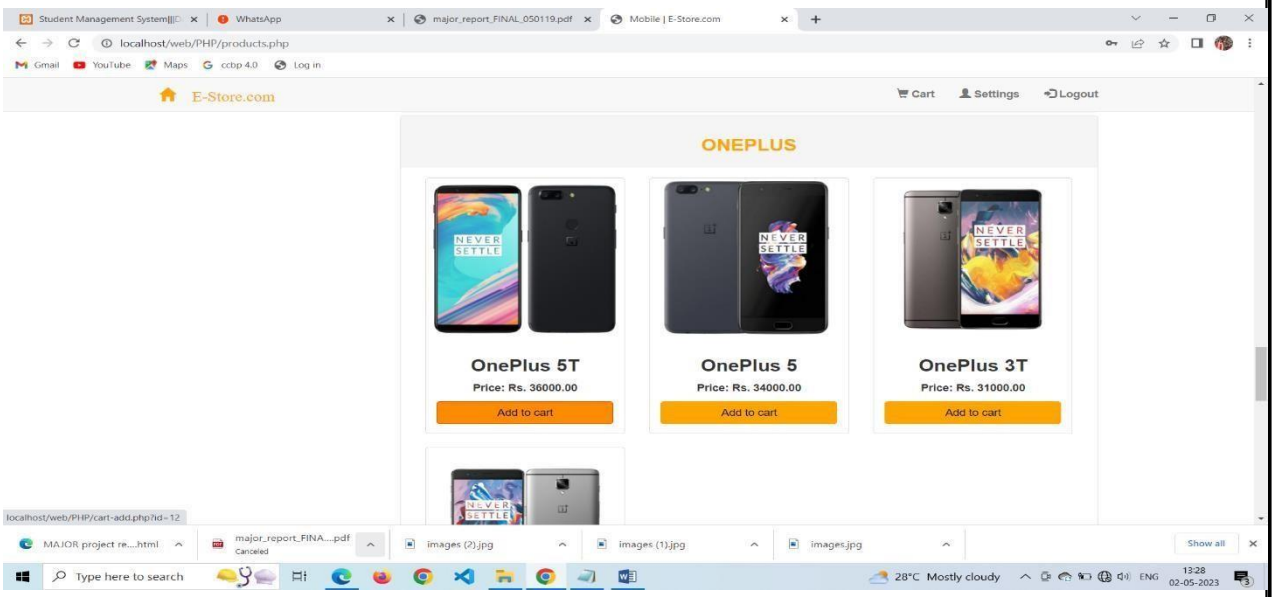
Login:



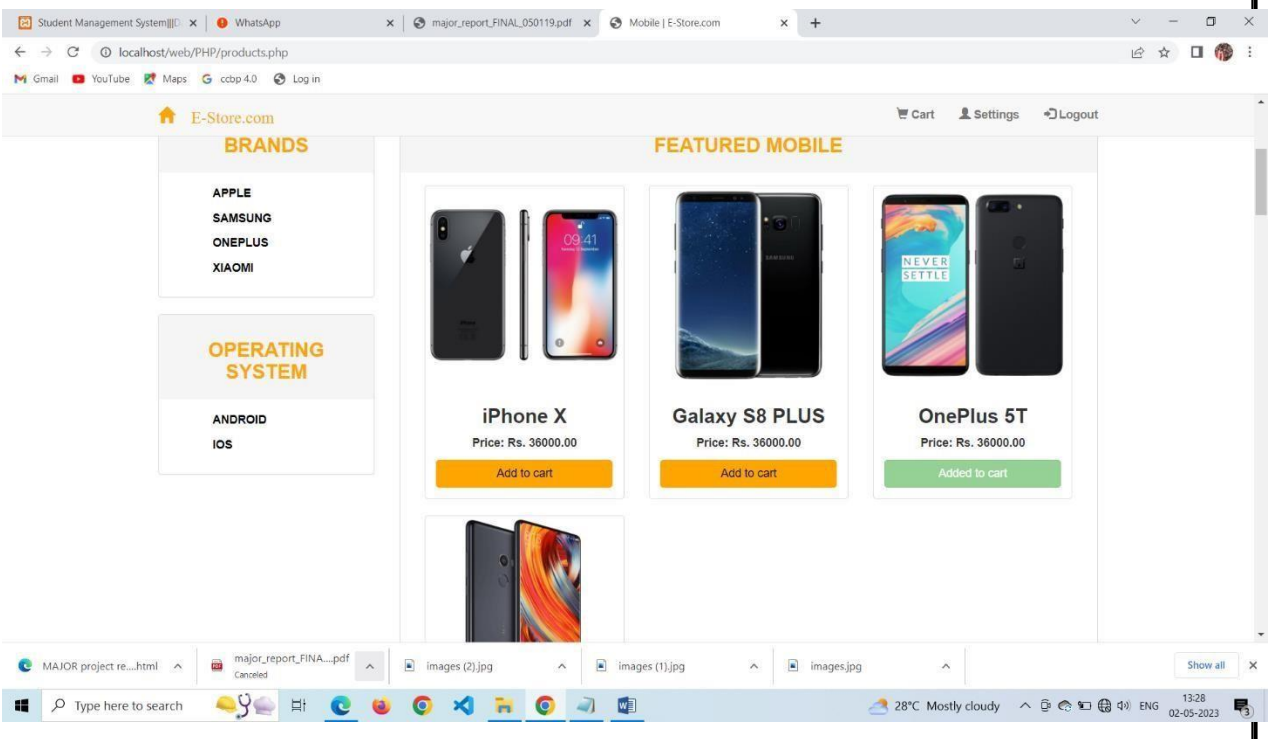
HomePage:



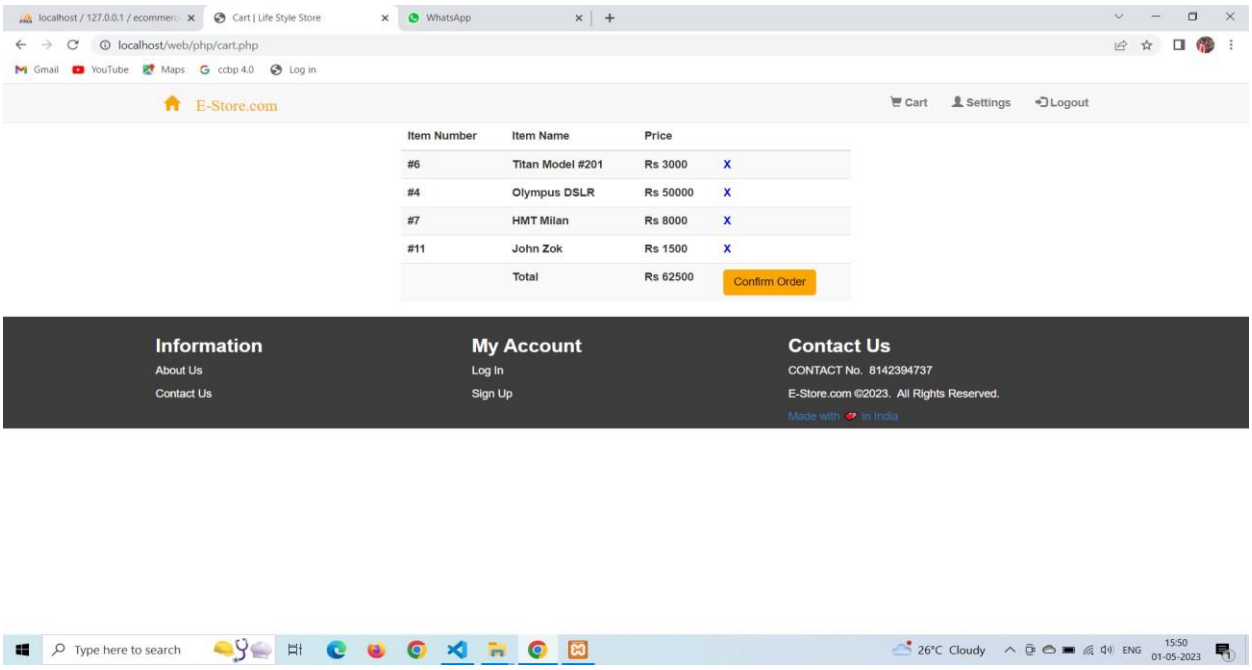
Purchase:



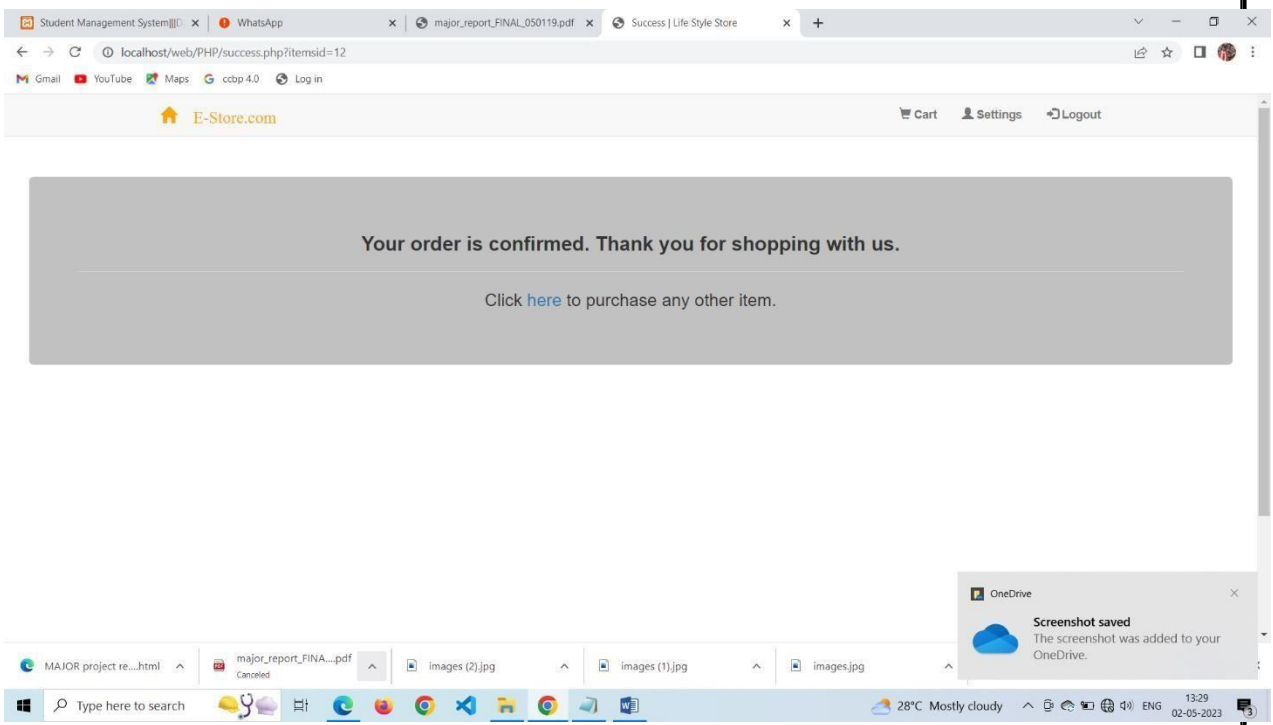
Add to cart:



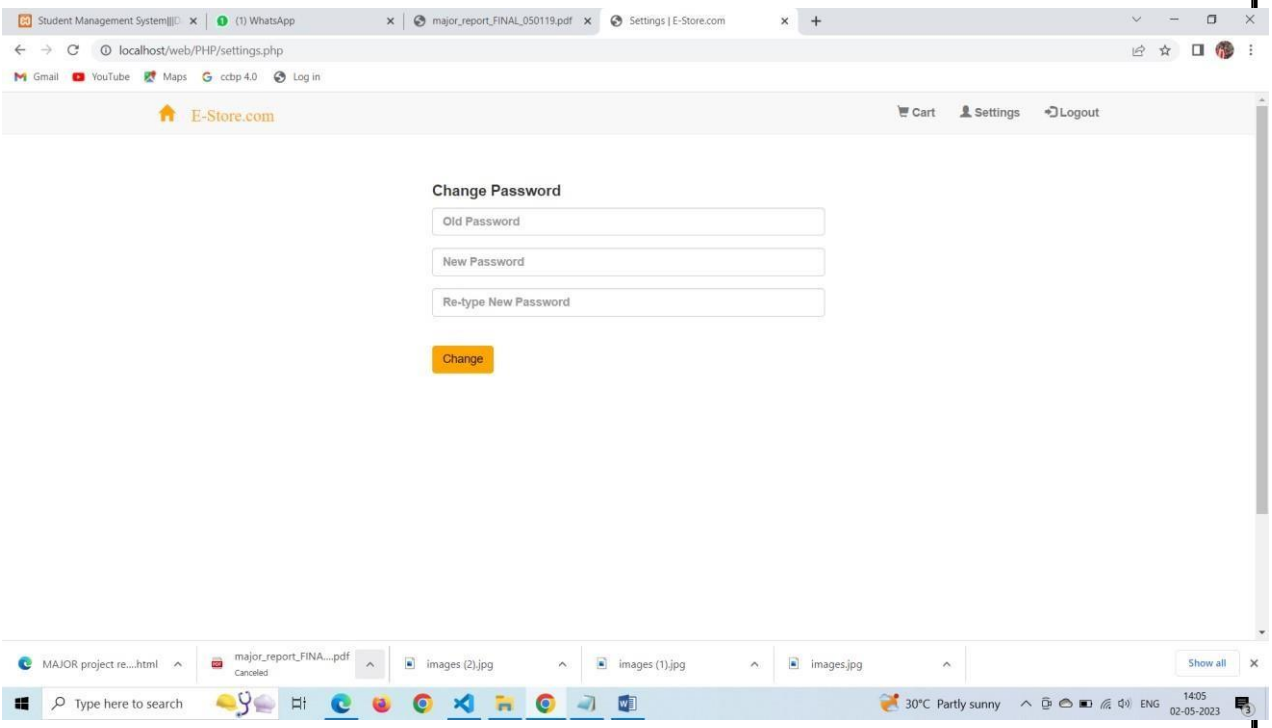
Check cart:



Confirm Order:



Change Password:



Conclusion

An E-Commerce website is the one that allows people to buy and sell physical goods, services and digital products over the internet rather than at a brick-and-mortar location. Through an ecommerce website a business can process orders manage shipping and logistics and provide customer services.

References:

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PHP:-

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MySql:-

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-> Bootstrap – GeeksforGeeks

J-Query:-

-> https://jquery.com

-> jQuery – GeeksforGeeks