VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"JNANA SANGAMA", BELAGAVI-590018

DATABASE MANAGEMENT SYSTEM MINI PROJECT

(21CSL55)

REPORT ON

"E-COMMMERCE DATABASE"

Submitted in partial fulfilment of the requirements for the award of the degree of

Bachelor of Engineering

In

Computer Science and Design

By

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CERTIFICATE

This is to certify that Mini Project work entitled **"ECOMMMERCE DATABASE "** is carried out by the team **Savya shree , Shalini B , Shivani Adhikari** bearing USN **"1KS21CG039 ","1KS21CG040","1KS21CG042"** bonafide student of K.S. Institute of Technology in the partial fulfilment for the award of the Bachelor of Engineering in Computer Science and Design of the Visvesvaraya Technological University, Belagavi, during the year 2023-24. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The mini-project report has been approved as it satisfies the academic requirements in respect of Mini Project work prescribed for the said degree for the Fifth semester.

Mr. Wasim Yasin Asst. Prof, Dept. Of CS&D	Dr. Deepa S R Professor & HOD, Dept. Of CSD	Dr. Dilip Kumar K Principal/Director

Name of the Examiners Signature with date

1._____ 2. _____

_____ _____

ACKNOWLEDGEMENT

I take this opportunity to thank everyone involved in the successful implementation of this mini project. I would like to thank the college for providing me an opportunity to work on the mini project.

I take this opportunity to express my sincere gratitude to my college **K.S. Institute of Technology**, Bengaluru for providing the environment to work on this mini project.

I would like to express my gratitude to our **MANAGEMENT**, K.S. Institute of Technology, Bengaluru, for providing a very good infrastructure and all the support provided for carrying out this mini project work in college.

I would like to express my gratitude to **Dr. K.V.A Balaji**, CEO, K.S. Group of Institutions (KSGI), Bengaluru, for his valuable guidance.

I would like to express my gratitude to **Dr. Dilip Kumar K**, Principal/Director, K.S. Institute of Technology, Bengaluru, for his continuous support.

I like to extend my gratitude to **Dr. Deepa S R**, Professor and Head, Department of Computer Science and Design, for providing very good facilities and all the support in successfully carrying out this Mini Project.

I also like to thank my Mini Project Coordinators, **Mr. Wasim Yasin**, Asst. Professor, **Dr. Surekha Byakod,** Asst. Professor, and **Prof. Sushma A**, Department of Computer Science and Design, for their help and support in successfully carrying out the Mini Project work.

I am also thankful to the teaching and non-teaching staff of the Computer Science and Design Department, KSIT for the help provided in completing this Mini Project.

SHIVANI ADHIKARI-1KS21CG042

ABSTRACT

In the digital era, the landscape of commerce has evolved, with online platforms serving as the primary conduit for transactions. As the demand for streamlined and efficient e-commerce experiences grows, the significance of robust database websites becomes increasingly apparent. This abstract presents an overview of a comprehensive e-commerce database website aimed at optimizing operations and enhancing user satisfaction.

The proposed e-commerce database website encompasses a sophisticated architecture designed to centralize and manage diverse aspects of online retailing. Leveraging advanced database management systems, the platform integrates functionalities crucial for seamless operation, including inventory management, order processing, customer relationship management, and analytics.

Key features of the database website include:

1.Inventory ManagementThe system facilitates real-time tracking and management of product inventory, ensuring accurate stock levels and minimizing instances of overselling or stockouts. Automated notifications prompt restocking actions when inventory levels reach predefined thresholds, optimizing supply chain efficiency.

2. Order Processing: Streamlined order processing capabilities expedite transactions, from order placement to fulfillment. The database efficiently organizes orders, assigns them to fulfillment centers, and updates order statuses in real-time, providing customers with visibility into the progress of their purchases.

3.Customer Relationship Management (CRM): Robust CRM functionalities enable personalized interactions with customers, fostering brand loyalty and customer satisfaction. The database captures and analyzes customer data, facilitating targeted marketing campaigns, personalized recommendations, and responsive customer support.

4.Analytics and Insights:Data analytics tools integrated into the database website offer valuable insights into sales trends, customer behavior, and website performance. By leveraging data-driven decision-making, businesses can optimize marketing strategies, product offerings, and operational processes, driving revenue growth and competitive advantage.

The e-commerce database website represents a holistic solution for businesses seeking to thrive in the dynamic online marketplace. Its integrated approach to data management empowers businesses to streamline operations, enhance customer experiences, and capitalize on emerging opportunities in e-commerce.

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CHAPTER 1

INTRODUCTION

1.1 Problem Statement :

"Develop an e-commerce database system that effectively handles product inventory, customer information, orders, and transactions. Ensure seamless integration with the website, secure payment processing, and robust reporting capabilities. The system should be scalable and adaptable to meet future needs."

1.2 Need to solve the problem :

The need to solve the problem statement for an e-commerce database system arises from several factors:

1. Efficient Management: As e-commerce businesses grow, they accumulate large volumes of data related to products, customers, orders, and transactions. Efficiently managing this data is crucial for smooth business operations.

2. Real-Time Updates: Customers expect accurate and up-to-date information on product availability and pricing. A reliable database system ensures real-time updates, enhancing customer satisfaction and trust.

3. Secure Transactions: Security is paramount in e-commerce, especially concerning sensitive information like payment details. A robust database system ensures secure handling of transactions, protecting both the business and its customers from fraud and data breaches.

4. Integration and Automation: Seamless integration between the database system and the front-end website streamlines processes such as inventory management, order processing, and customer support. Automation reduces manual effort and errors, improving overall efficiency.

5. Insightful Analytics: Comprehensive reporting and analytics functionalities provided by the database system empower businesses to make data-driven decisions. Understanding customer behavior, sales trends, and inventory patterns enables targeted marketing strategies and optimized inventory management.

6. Scalability and Adaptability: As e-commerce businesses expand and evolve, their database systems must scale to accommodate growing data volumes and adapt to changing business needs and technological advancements.

Addressing these needs ensures the smooth functioning of an e-commerce platform, enhances customer satisfaction, drives business growth, and maintains competitiveness in the market.

1.3 How we propose to solve the problem :

We propose to solve the problem by following these steps

1. Requirements Gathering: Understand the specific requirements of the e-commerce business, including the types of products sold, expected traffic, payment methods, reporting needs, etc.

2. Database Design: Design the database schema to effectively store and manage data. This involves creating tables for entities such as products, customers, orders, transactions, and any other relevant entities. Establish relationships between these tables to maintain data integrity.

3. Implementation: Implement the designed database schema using a suitable DBMS, such as MySQL. Set up the necessary configurations and constraints to ensure data consistency, integrity, and security.

4. Integration: Integrate the database system with the front-end website made using php and javascript and any other relevant systems or applications. Ensure smooth data flow between the website and the database for functions like product listings, order placement, and customer account management.

5.Transaction Handling: Implement mechanisms to handle transactions securely and efficiently, including payment processing, order fulfillment, and inventory management. Use transaction management features provided by the DBMS to ensure data consistency and reliability.

6.Scalability and Performance Optimization: Design the database system with scalability in mind to handle increasing data volumes and user traffic. Optimize database performance by tuning queries, indexing frequently accessed columns, and optimizing resource usage.

7. Testing and Optimization: Thoroughly test the database system to ensure it meets the functional and performance requirements. Conduct performance testing under realistic load conditions and optimize as needed.

8. Maintenance and Monitoring: Regularly monitor the database system for performance issues, security vulnerabilities, and data inconsistencies. Perform routine maintenance tasks such as backups, updates, and patches to keep the system running smoothly.

By following these steps, you can effectively solve the problem statement using a DBMS, ensuring a robust and scalable e-commerce database system.

CHAPTER 2

PREVIOUS STUDIES IN THE SAME PROBLEM AREA

Papers refered with in the same problem area:

1.Ishikawa, H., Yokoyama, S., Isshiki, S., & Ohta, M. (2001, September). Project xanadu: Xml-and active-database-unified approach to distributed e-commerce. In *12th International Workshop on Database and Expert Systems Applications* (pp. 833-837). IEEE.

2.Lau, T. C., Lu, J., Hedges, E., & Xing, E. (2001, November). Migrating e-commerce database applications to an enterprise java environment. In *Proceedings of the 2001 conference of the Centre for Advanced Studies on Collaborative research* (p. 9).

3. VanderMeer, D., Dutta, K., & Datta, A. (2012). A cost-based database request distribution technique for online e-commerce applications. *MIS quarterly*, 479-507.

4. Guarda, T., Augusto, M., & Silva, C. (2012). Competitive advantage in e-commerce: the case of database marketing. In *Business, Economics, Financial Sciences, and Management* (pp. 123-130). Springer Berlin Heidelberg.

5.Lokman, A. M., Noor, N. M., & Nagamachi, M. I. T. S. U. O. (2008, September). Kansei database system for emotional interface design of e-commerce website. In *Fifth International Cyberspace Conference on Ergonomics*.

CHAPTER 3

REQUIREMENT SPECIFICATION

To address the problem statement of developing an e-commerce database system, the hardware, software, and technological components.

Here's a breakdown of the requirements:

3.1 Hardware Requirements:

- Server Infrastructure: Powerful servers to host the database system. Consider factors like processing power, memory, and storage capacity based on expected data volumes and user traffic.
- Storage Systems: High-capacity storage solutions to store product inventory, customer data, transaction records, etc. This could include solid-state drives (SSDs) or traditional hard disk drives (HDDs).
- Networking Equipment: Reliable networking infrastructure to ensure seamless communication between the database servers, web servers, and other components of the e-commerce system.
- Backup Systems: Backup servers or storage devices to regularly backup database data and ensure data recovery in case of failures.

3.2 Software Requirements:

- Database Management System (DBMS): Choose a robust DBMS suitable for e-commerce applications. Common options include MySQL. Ensure the DBMS supports features like transaction management, concurrency control, and scalability.
- Operating System: Select an operating system compatible with your chosen DBMS and hardware infrastructure. Popular choices include Linux distributions (e.g., Ubuntu, CentOS) or Windows Server.
- Web Server Software: Software like Apache HTTP) to host the front-end website and handle web requests.
- Programming Languages and Frameworks: Use programming languages such as Python, JavaScript, or PHP for developing the website and backend logic.
- Security Software: Implement security software and tools to protect the database system from threats like unauthorized access, SQL injection, and data breaches. This could include firewalls, intrusion detection systems (IDS), encryption tools, and security patches.

3.3 Technological Requirements:

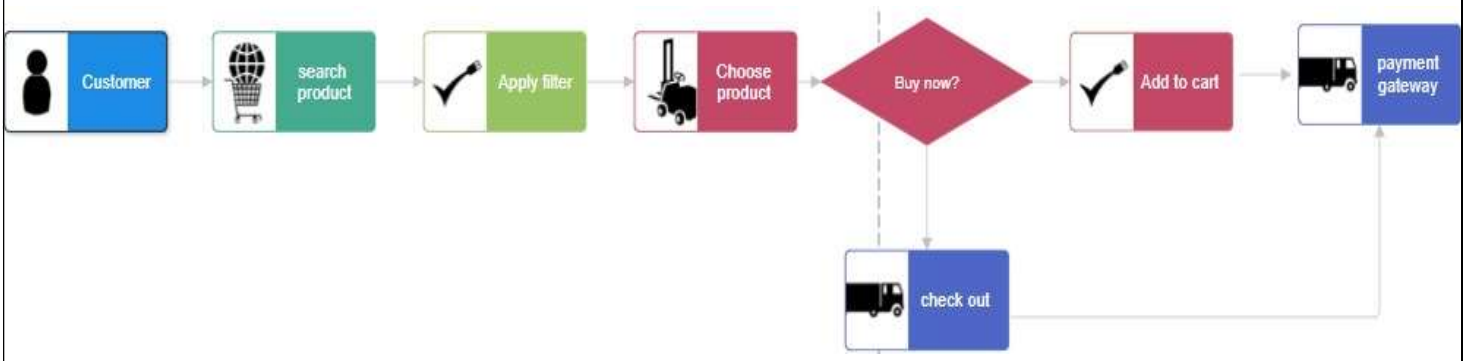
- Data Modeling and Design Tools: Tools for designing the database schema and data models, such as ER diagrams and UML tools.
- Monitoring and Analytics Tools: Utilize monitoring tools to track database performance metrics, identify bottlenecks, and optimize resource usage. Analytics tools can provide insights into user behavior, sales trends, and other key metrics for business intelligence.
- Integration APIs and Protocols: Implement APIs and protocols for integrating the database system with other components of the e-commerce platform, such as payment gateways, shipping providers, and third-party services.

By fulfilling these hardware, software, and technological requirements, you can build a robust and scalable e-commerce database system capable of effectively managing product inventory, customer data, orders, and transactions.

CHAPTER 4

METHODOLOGY

4.1 Flowchart of the work:



A description of the above flowchart:

1.Homepage:
Users land on the homepage where they can see featured products, promotions, and navigation options.
They can browse categories or use search functionality to find specific items.

2.Product Browsing:
Users explore product categories or search for specific items using filters and search bars.
They can view product listings with images, descriptions, prices, and customer reviews.

3.Product Details Page:
When users click on a product, they are directed to a product details page.
Here, they can see more information about the product, such as detailed descriptions, specifications, sizing charts, and related products.

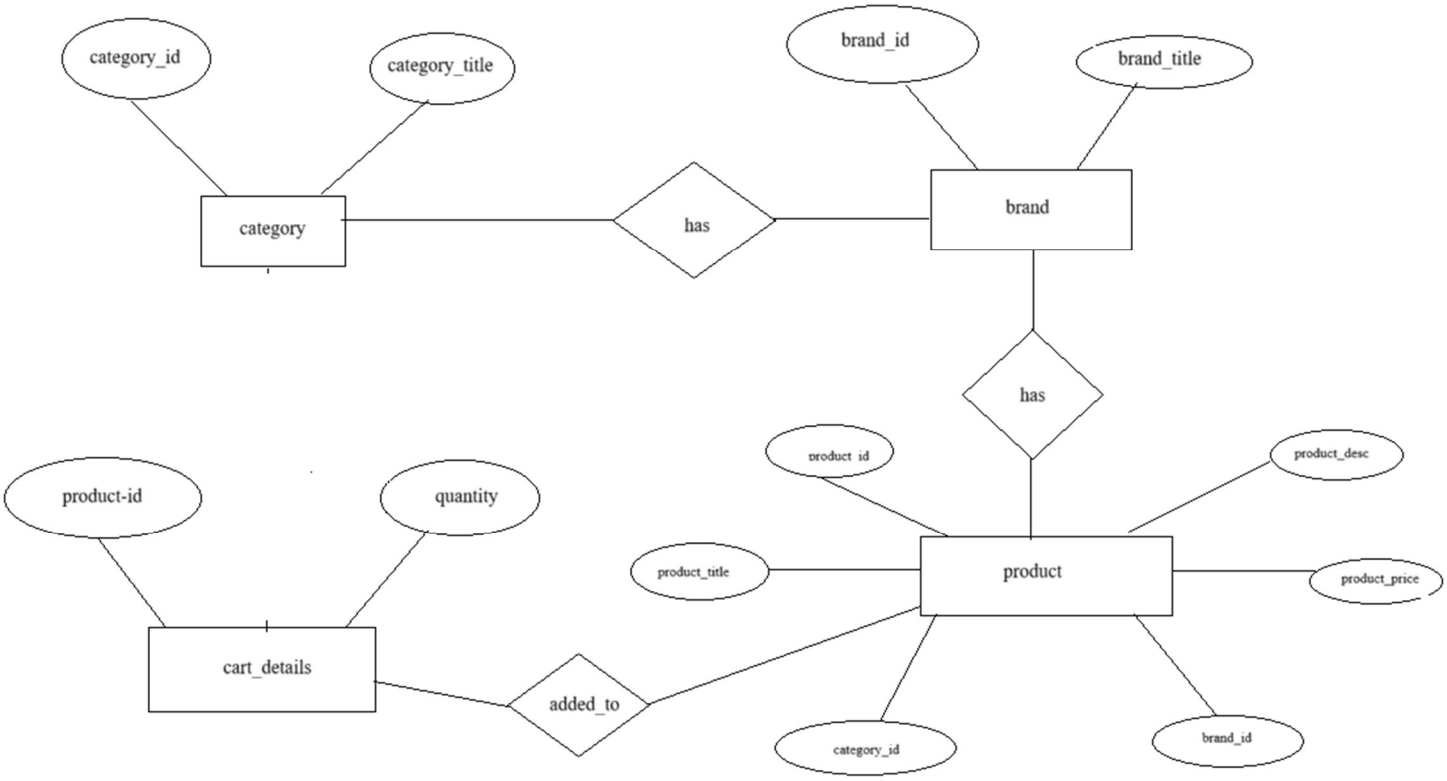
4.Adding to Cart:
Users can add desired items to their shopping cart from the product details page or category listings.
They can choose quantities and variations (e.g., size, color) before adding to the cart.

5. Shopping Cart:
Users can review the items in their cart, adjust quantities, remove items, or continue shopping.
They can proceed to checkout or keep items saved for later if they're not ready to purchase immediately.

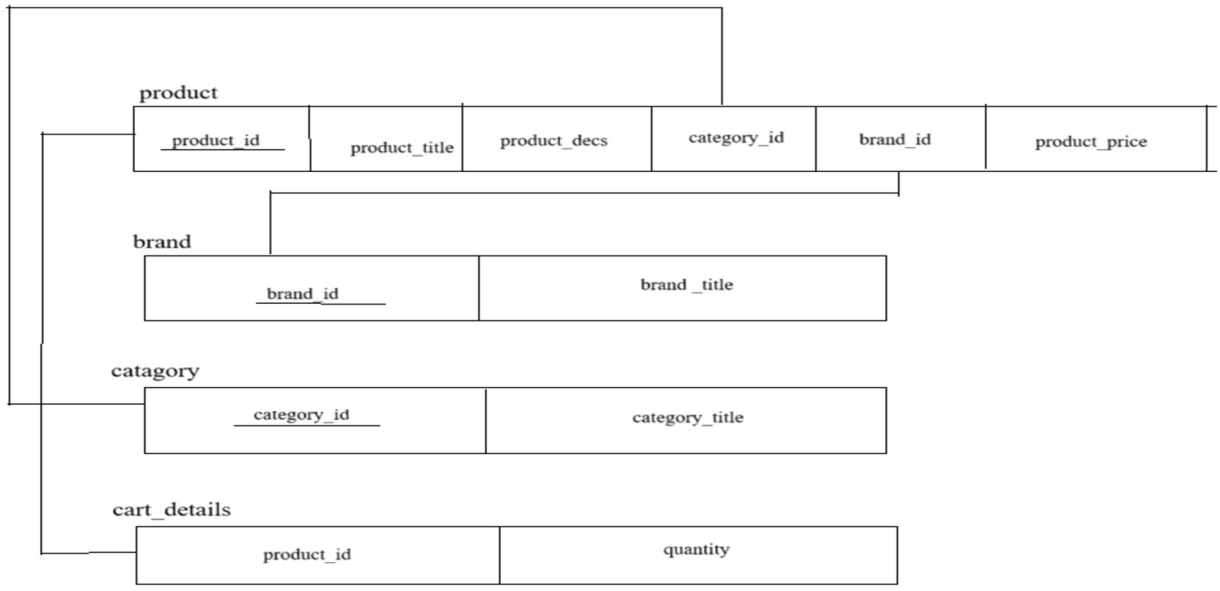
6.Checkout Process:

Users proceed to checkout, where they provide shipping and billing information.
They select a shipping method and payment option (credit/debit card, PayPal, etc.).
Some websites might require users to create an account or log in at this stage.

4.2 ER-Diagram:



4.3 Schema-Diagram:



4.4 Explanation of methodology:

To generate an algorithm for developing an e-commerce database management system (DBMS), I'll outline a high-level algorithmic approach. Please note that this algorithm is conceptual and may require further refinement and adaptation based on specific requirements and technologies used. Here's the algorithm:

1.Requirements Gathering:
Gather and analyze requirements from stakeholders including business owners, users, and technical team members.
Identify key functionalities, data entities, user roles, and system constraints.

2.Database Design:
Define the database schema including tables, columns, relationships, and constraints.
Identify primary keys, foreign keys, and indexes to ensure data integrity and performance.
Normalize the database schema to eliminate data redundancy and maintain consistency.

3.Backend Development:
Implement server-side logic using PHP or other server-side scripting languages.
Develop scripts to handle user authentication, session management, and access control.
Create APIs to interact with the database for CRUD (Create, Read, Update, Delete) operations on data entities.

4.Frontend Development:
Design and develop the user interface using HTML, CSS, and JavaScript frameworks.
Implement interactive features such as product browsing, search functionality, and shopping cart management.
Ensure responsiveness and accessibility across different devices and screen sizes.

5.Database Implementation:
Set up the MySQL database server and configure database parameters.
Create database tables and populate initial data if required.
Test database connectivity and functionality to ensure proper interaction with the backend.

6.Integration and Testing:
Integrate frontend and backend components to create a unified e-commerce platform.
Conduct thorough testing including unit testing, integration testing, and user acceptance testing.
Test for usability, performance, security, and compatibility across different browsers and devices.

This algorithm provides a structured approach to developing an e-commerce database management system using MySQL, PHP, and JavaScript. It encompasses key stages including requirements gathering, database design, development, testing, deployment, maintenance, and continuous improvement.

CHAPTER 5

RESULTS

5.1 Outcomes from the methodology:

The outcome of following the algorithm outlined above for developing an e-commerce database management system (DBMS) using MySQL, PHP, and JavaScript would be a fully functional and robust e-commerce platform. Here's a breakdown of the expected outcomes:

1.Database Schema: A well-designed MySQL database schema containing tables for product inventory, customer information, orders, transactions, and other relevant entities. The schema ensures data integrity, efficiency, and scalability.

2.Backend Logic: Server-side scripts written in PHP to handle user authentication, session management, and CRUD operations on the database. APIs are developed to interact with the database and serve data to the frontend.

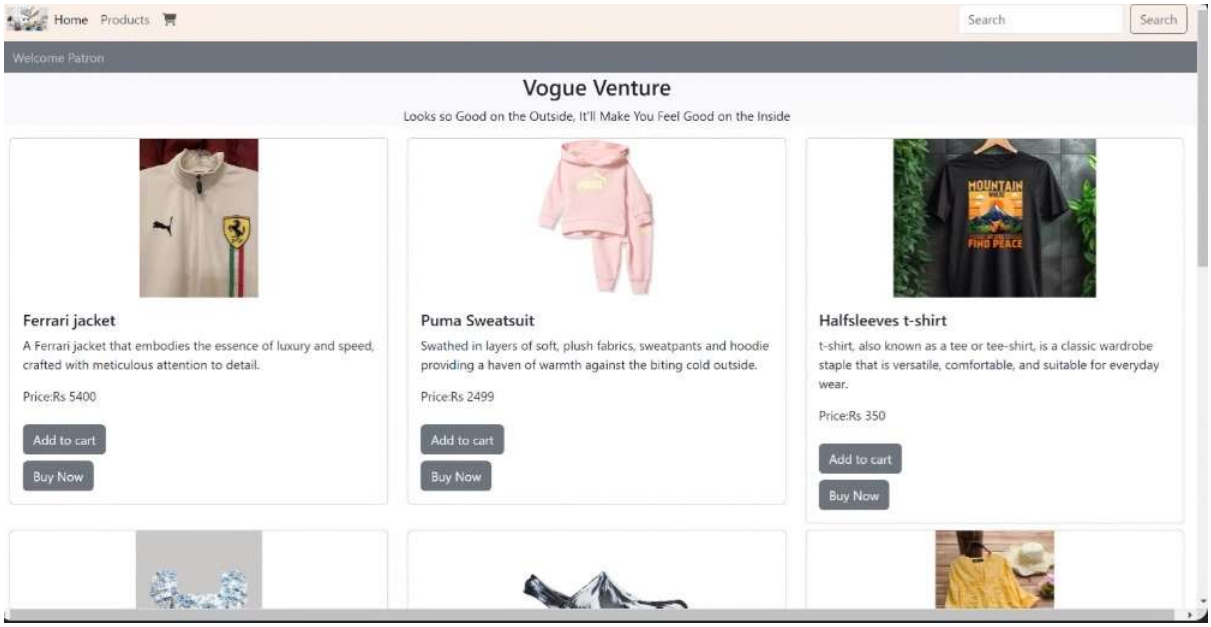
3.User Interface: A responsive and user-friendly web interface developed using HTML, CSS, and JavaScript frameworks. The interface allows users to browse products, search, add items to the shopping cart, and complete transactions seamlessly.

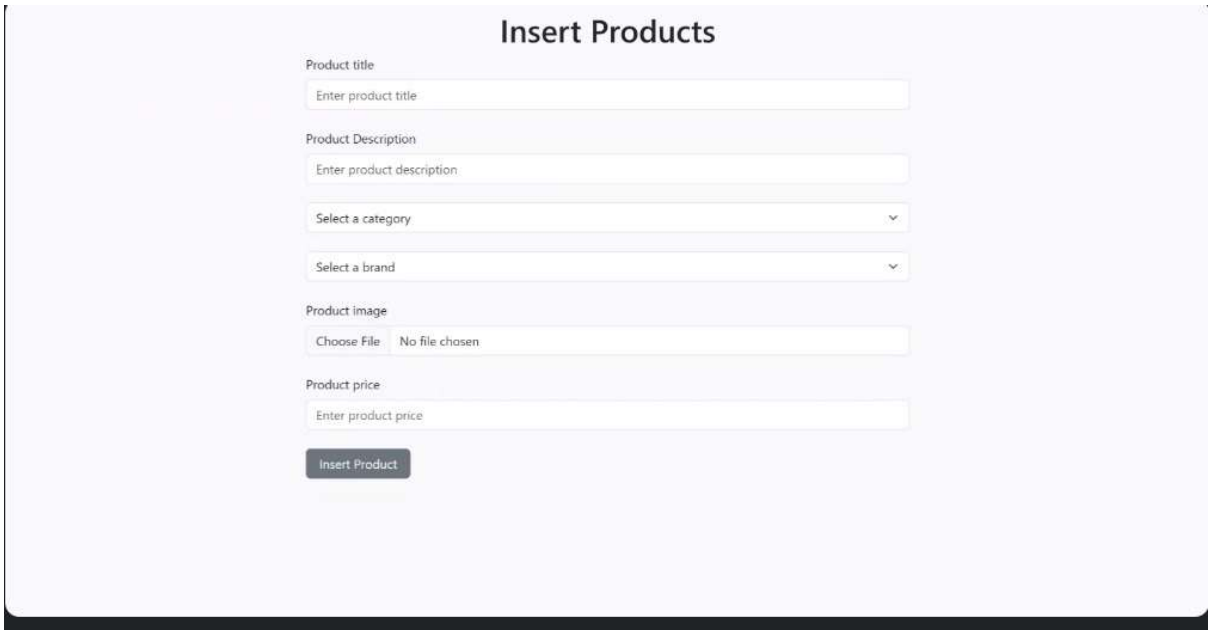
4.Integration and Testing: Integration of frontend and backend components to create a unified e-commerce platform. Thorough testing is conducted to ensure functionality, performance, security, and compatibility across different devices and browsers.

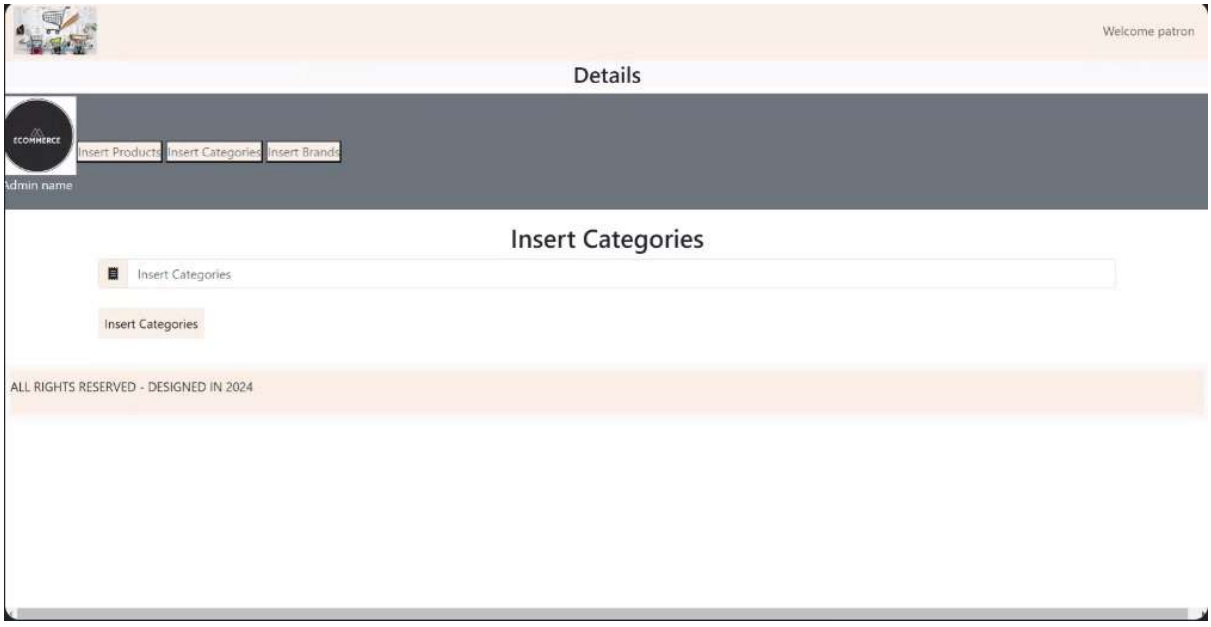
CHAPTER 6

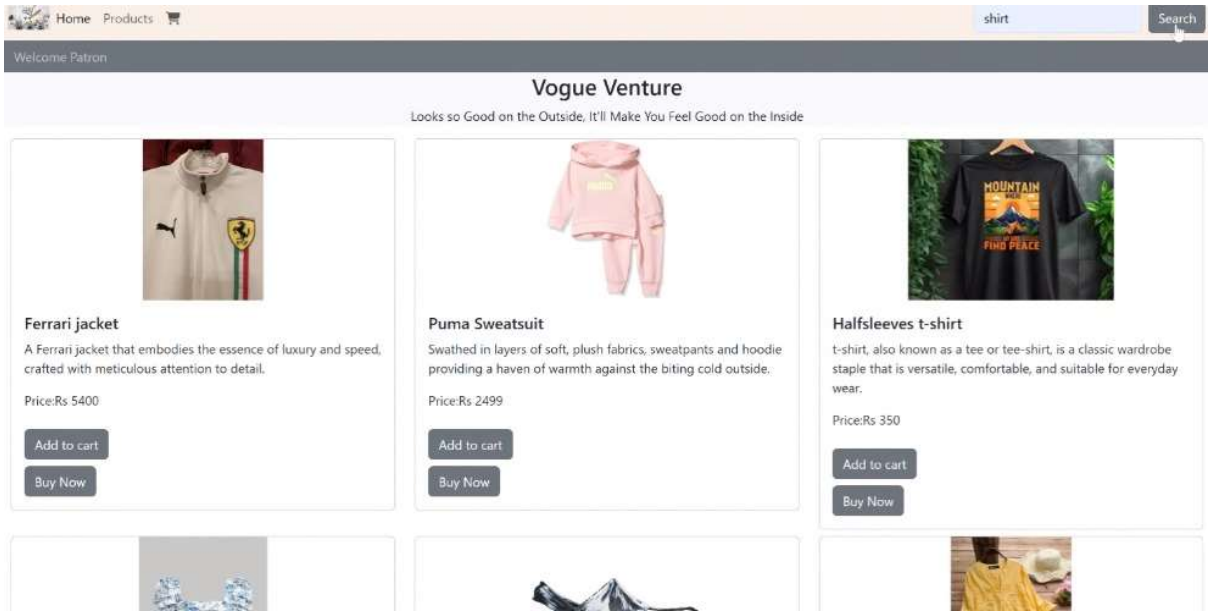
IMPLEMENTATION OUTCOMES

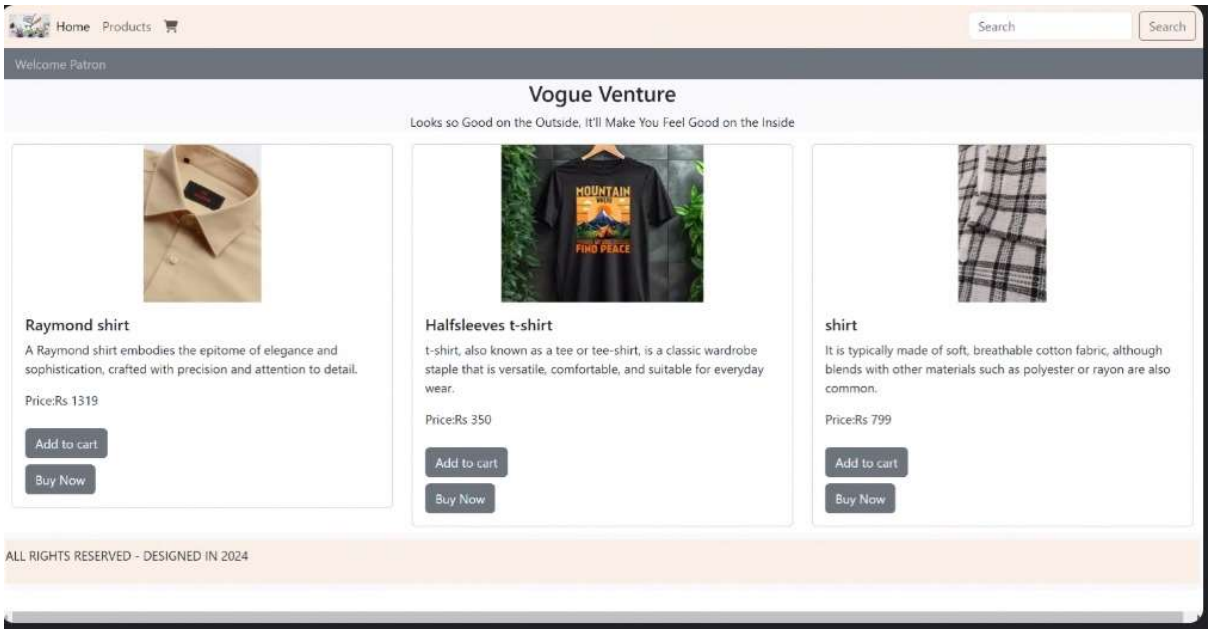
Snapshots:

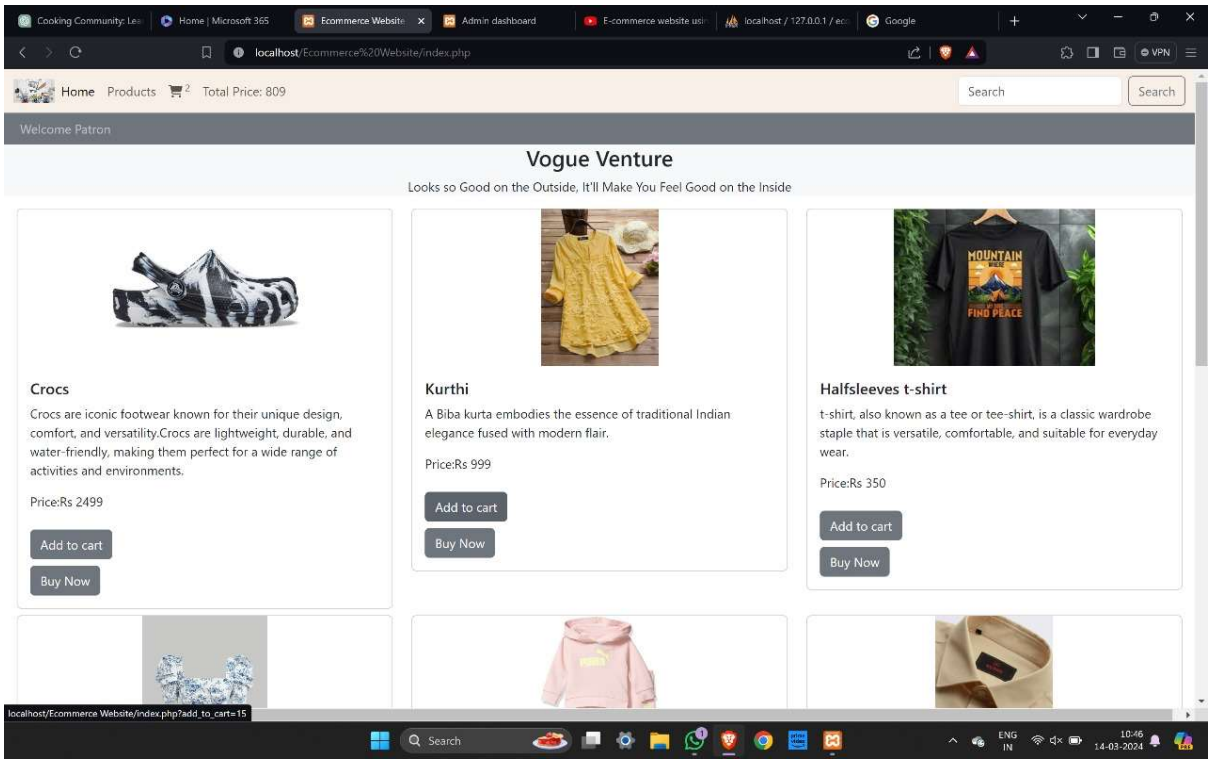


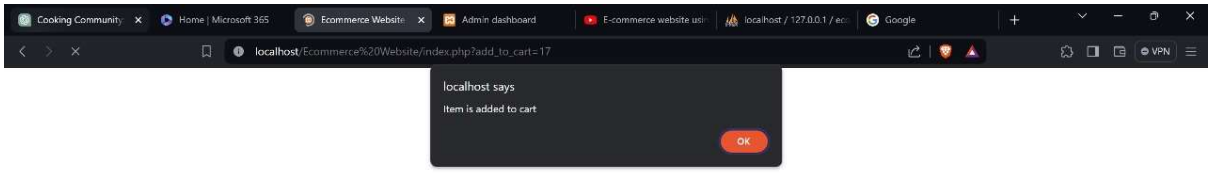

Insert Products
Product title
Enter product title
Product Description
Enter product description
Select a category
Select a brand
Product image
Choose File
No file chosen
Product price
Enter product price
Insert Product

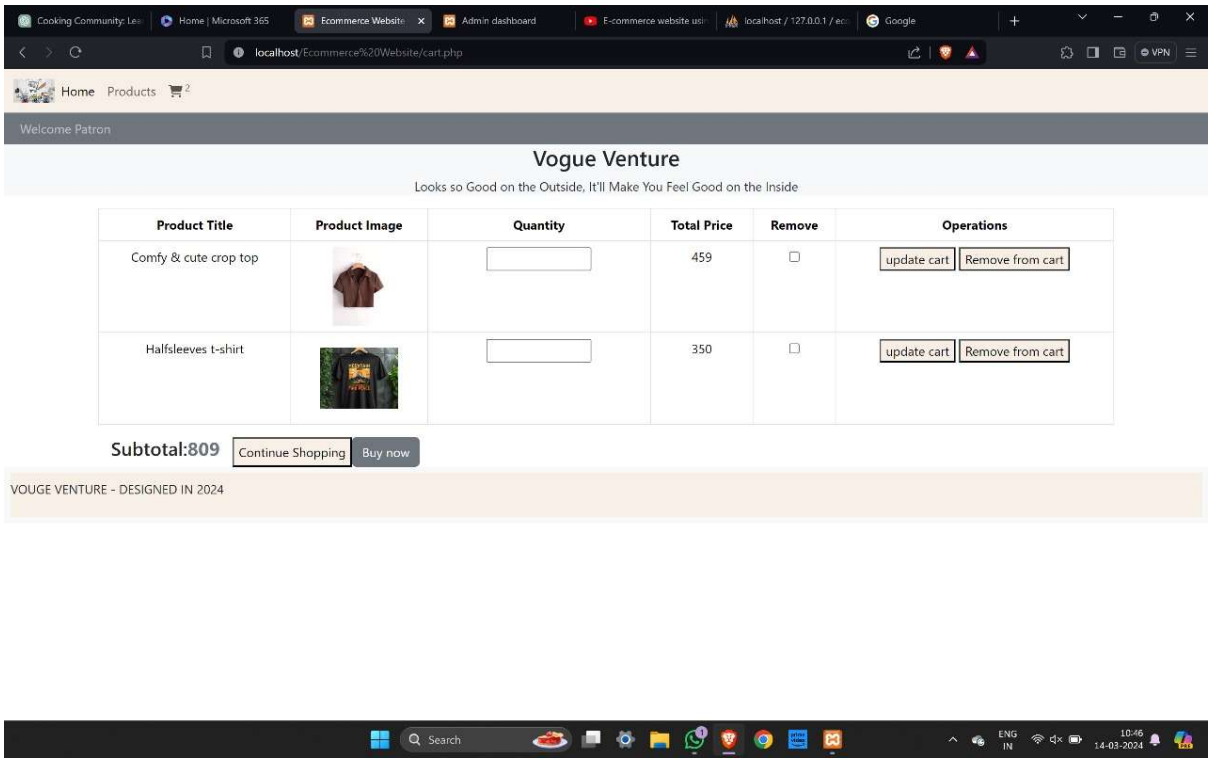

Welcome patron
Details
ECOMMERCE
Insert Products
Insert Categories
Insert Brands
Admin name
Insert Categories
Insert Categories
Insert Categories
ALL RIGHTS RESERVED - DESIGNED IN 2024


Home
Products
shirt
Search
Welcome Patron
Vogue Venture
Looks so Good on the Outside, It'll Make You Feel Good on the Inside
Ferrari jacket
A Ferrari jacket that embodies the essence of luxury and speed, crafted with meticulous attention to detail.
Price:Rs 5400
Add to cart
Buy Now
Puma Sweatsuit
Swathed in layers of soft, plush fabrics, sweatpants and hoodie providing a haven of warmth against the biting cold outside.
Price:Rs 2499
Add to cart
Buy Now
Halfsleeves t-shirt
t-shirt, also known as a tee or tee-shirt, is a classic wardrobe staple that is versatile, comfortable, and suitable for everyday wear.
Price:Rs 350
Add to cart
Buy Now


Home
Products
Search
Search
Welcome Patron
Vogue Venture
Looks so Good on the Outside, It'll Make You Feel Good on the Inside
Raymond shirt
A Raymond shirt embodies the epitome of elegance and sophistication, crafted with precision and attention to detail.
Price:Rs 1319
Add to cart
Buy Now
Halfsleeves t-shirt
t-shirt, also known as a tee or tee-shirt, is a classic wardrobe staple that is versatile, comfortable, and suitable for everyday wear.
Price:Rs 350
Add to cart
Buy Now
shirt
It is typically made of soft, breathable cotton fabric, although blends with other materials such as polyester or rayon are also common.
Price:Rs 799
Add to cart
Buy Now
ALL RIGHTS RESERVED - DESIGNED IN 2024


Home
Products
Total Price: 809
Search
Welcome Patron
Vogue Venture
Looks so Good on the Outside, It'll Make You Feel Good on the Inside
Crocs
Crocs are iconic footwear known for their unique design, comfort, and versatility.Crocs are lightweight, durable, and water-friendly, making them perfect for a wide range of activities and environments.
Price:Rs 2499
Add to cart
Buy Now
Kurthi
A Biba kurta embodies the essence of traditional Indian elegance fused with modern flair.
Price:Rs 999
Add to cart
Buy Now
Halfsleeves t-shirt
t-shirt, also known as a tee or tee-shirt, is a classic wardrobe staple that is versatile, comfortable, and suitable for everyday wear.
Price:Rs 350
Add to cart
Buy Now


localhost says
Item is added to cart
OK


Cooking Community: Lea
Home | Microsoft 365
Ecommerce Website
Admin dashboard
E-commerce website usi
localhost / 127.0.0.1 / ec
Google
localhost/Ecommerce%20Website/cart.php
VPN
Home
Products
2
Welcome Patron
Vogue Venture
Looks so Good on the Outside, It'll Make You Feel Good on the Inside
Product Title
Product Image
Quantity
Total Price
Remove
Operations
Comfy & cute crop top
459
update cart
Remove from cart
Halfsleeves t-shirt
350
update cart
Remove from cart
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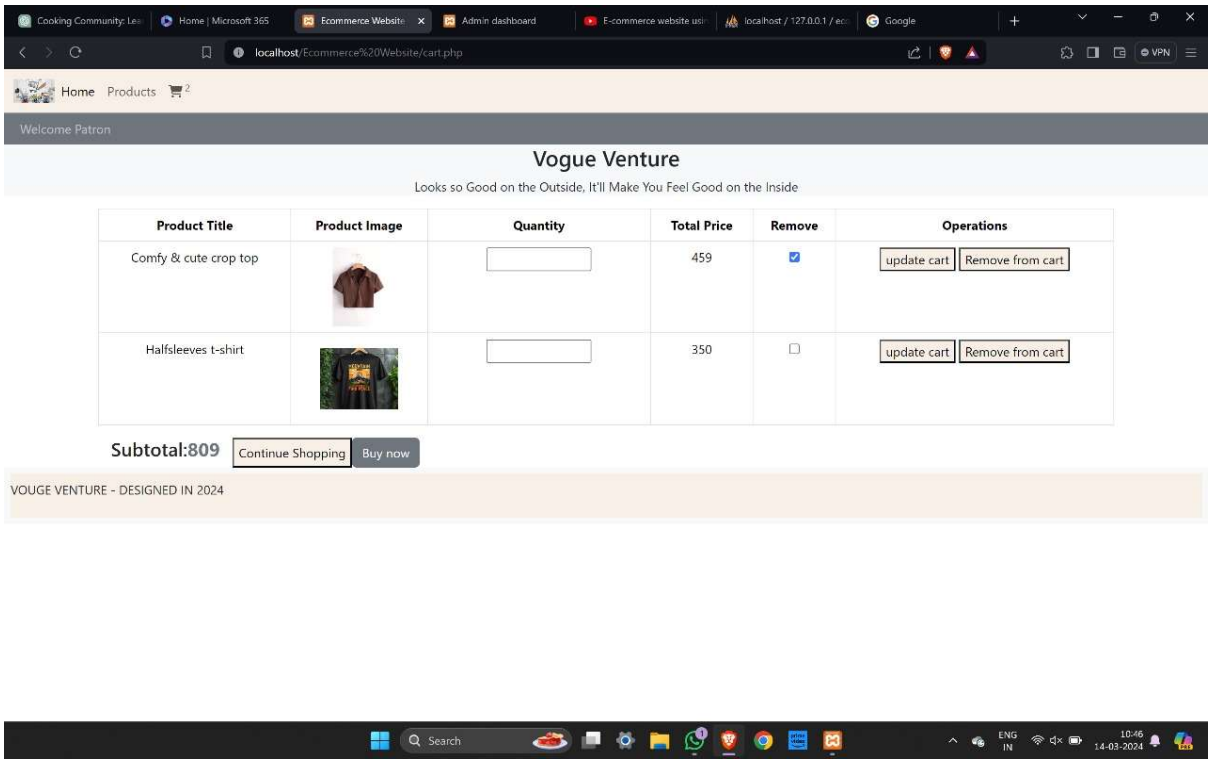
Continue Shopping
Buy now
VOUGE VENTURE - DESIGNED IN 2024
Search
ENG
IN
10:46
14-03-2024


Cooking Community: Lea
Home | Microsoft 365
Ecommerce Website
Admin dashboard
E-commerce website usi
localhost / 127.0.0.1 / ec
Google
localhost/Ecommerce%20Website/cart.php
VPN
Home
Products
2
Welcome Patron
Vogue Venture
Looks so Good on the Outside, It'll Make You Feel Good on the Inside
Product Title
Product Image
Quantity
Total Price
Remove
Operations
Comfy & cute crop top
459
update cart
Remove from cart
Halfsleeves t-shirt
350
update cart
Remove from cart
Subtotal:809
Continue Shopping
Buy now
VOUGE VENTURE - DESIGNED IN 2024
Search
ENG
IN
10:46
14-03-2024

CODE:

Index php

```
<!-- connect file-->
<?php
include('includes/connect.php');



?>
<!DOCTYPE html>
<html lang="en">
   <head>
      <meta charset="UTF-8">
      <meta http-equiv="X-UA-Compatible" content="IE=edge">
      <meta name="viewpoint" content="width=device-width,initial-scale=1.0">
      <title>Ecommerce Website using PHP and MySQL</title>
      <!--bootstrap CSS link-->
      <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet"
integrity="sha384-QWTKZyjpPEjISv5WaRU9OFeRpok6YctnYmDr5pNlyT2bRjXh0JMhjY6hW+ALEwIH"
crossorigin="anonymous">
      <!--font awesome link-->
      <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.5.1/css/all.min.css"
integrity="sha512-
DTOQO9RWCH3ppGqcWaEA1BIZOC6xxalwEsw9c2QQeAIftl+Vegovlnee1c9QX4TctnWMn13TZye+giMm
8e2LwA==" crossorigin="anonymous" referrerpolicy="no-referrer" />
</head>
<body>
  <!--navbar-->
  <style>
   .card-img-top{
   width:100%;
   height:200px;
   object-fit:contain;
}</style>
  <div class="container-fluid p-0">
   <!-- first child-->
   <nav class="navbar navbar-expand-lg navbar-light" style="background-color: linen;">
 <div class="container-fluid">
```

```
<img src="https://techbullion.com/wp-content/uploads/2022/09/677t7676.jpg"  height="30">
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    <span class="navbar-toggler-icon"></span>
  </button>
  <div class="collapse navbar-collapse" id="navbarSupportedContent">
    <ul class="navbar-nav me-auto mb-2 mb-lg-0">
      <li class="nav-item">
        <a class="nav-link active" aria-current="page" href="index.php">Home</a>
      </li>

      <li class="nav-item">
        <a class="nav-link" href="display_all.php">Products</a>
      </li>
      <!--<li class="nav-item">
        <a class="nav-link" href="#">Register</a>
      </li>
      <li class="nav-item">
        <a class="nav-link" href="#">Contact</a>
      </li>-->
      <li class="nav-item">
        <a class="nav-link" href="cart.php"><i class="fa fa-shopping-cart" aria-hidden="true"></i><sup>
      <?php
      cart_item()
      ?>
      </sup>
      </a>
      </li>

      <li class="nav-item">
        <a class="nav-link" href="#">Total Price:
        <?php   total_cart_price(); ?>
          </a>
      </li>

    </ul>
    <form class="d-flex" role="search" action="search_product.php" method="get" >
```

```
        <input class="form-control me-2" type="search" placeholder="Search" aria-label="Search"
name="Search_data">
        <!--<button class="btn btn-outline-success" type="submit">Search</button>-->
        <input type="submit" value="Search" class="btn btn-outline-secondary" name="Search_data_product">
      </form>
    </div>
  </div>
</nav>
<!-- second child-->

<nav class="navbar navbar-expand-lg navbar-dark bg-secondary p-0">
    <div class="container-fluid"> <!-- Add a container for better spacing -->
        <ul class="navbar-nav me-auto"> <!-- Changed class name to "me-auto" for correct alignment -->
            <li class="nav-item">
                <a class="nav-link" href="#">Welcome Patron</a>
            </li>
           <!-- <li class="nav-item" style="margin-left: 10px;"> Add inline style to adjust margin
                <a class="nav-link" href="#">Login</a>
            </li> -->
        </ul>
    </div>
</nav>

<!-- third child-->
<div class="bg-light">
  <h3 class="text-center">Vogue Venture</h3>
  <p class="text-center">Looks so Good on the Outside, It'll Make You Feel Good  on the Inside</p>
</div>
<!-- fourth child-->
<div class="row px-3">
  <div class="col-md-12">
  <!--products-->
  <div class="row">
<!--fetching products-->
<?php

$select_query="select * from products order by rand() LIMIT 0,9";
$result_query=mysqli_query($con,$select_query);
```

```
  //$row=mysqli_fetch_assoc($result_query);
  //echo $row['product_title'];
  while($row=mysqli_fetch_assoc($result_query)){
   $product_id=$row['product_id'];
   $product_title=$row['product_title'];
   $product_description=$row['product_description'];
   $category_id=$row['category_id'];
   $brand_id=$row['brand_id'];
   $product_image=$row['product_image'];
   $product_price=$row['product_price'];
   echo " <div class='col-md-4 mb-2'>
   <div class='card' >
  <img src='./admin_area/productImages/$product_image' class='card-img-top' alt='$product_title'>
  <div class='card-body'>
    <h5 class='card-title'>$product_title</h5>
    <p class='card-text'>$product_description</p>
    <p class='card-text'>Price:Rs $product_price</p>
    <a href='index.php?add_to_cart=$product_id' class='btn btn-secondary my-2'>Add to cart</a>
  <form method='post' action='process_payment.php'>
    <input type='hidden' name='product_name' value='$product_title'>
    <input type='hidden' name='product_price' value='100'>
    <input type='submit' name='buy_now' value='Buy Now' class='btn btn-secondary'>
</form>

  </div>
</div>
</div>";
   }


?>
<?php
 function getIPAddress() {
    //whether ip is from the share internet
     if(!empty($_SERVER['HTTP_CLIENT_IP'])) {
                $ip = $_SERVER['HTTP_CLIENT_IP'];
```

```
        }
    //whether ip is from the proxy
    elseif (!empty($_SERVER['HTTP_X_FORWARDED_FOR'])) {
            $ip = $_SERVER['HTTP_X_FORWARDED_FOR'];
     }
//whether ip is from the remote address
    else{
          $ip = $_SERVER['REMOTE_ADDR'];
     }
     return $ip;
}
?>
<?php

if(isset($_GET['add_to_cart'])){
  global $con;
  $get_ip_add = getIPAddress();
  $get_product_id=$_GET['add_to_cart'];

  $select_query="select * from cart_details where ip_address='$get_ip_add'  and product_id=$get_product_id";
  $result_query=mysqli_query($con,$select_query);
  $num_of_rows=mysqli_num_rows($result_query);
if($num_of_rows>0){
echo"<script>alert('Item is already present in the cart')</script>";
echo "<script>window.open('index.php','_self')</script>";

}else{
  $insert_query="insert into
cart_details(product_id,ip_address,quantity)values($get_product_id,'$get_ip_add',0)";
  $result_query=mysqli_query($con,$insert_query);
  echo"<script>alert('Item is added to cart')</script>";
  echo "<script>window.open('index.php','_self')</script>";

}
}

//function to get cart item number
function cart_item(){
```

```
if(isset($_GET['add_to_cart'])){
  global $con;
  $get_ip_add = getIPAddress();
  $select_query="select * from cart_details where ip_address='$get_ip_add' ";
  $result_query=mysqli_query($con,$select_query);
  $count_cart_items=mysqli_num_rows($result_query);

}else{
  global $con;
  $get_ip_add = getIPAddress();
  $select_query="select * from cart_details where ip_address='$get_ip_add' ";
  $result_query=mysqli_query($con,$select_query);
  $count_cart_items=mysqli_num_rows($result_query);



}
echo $count_cart_items;
}


function total_cart_price(){
  global $con;
    $get_ip_add = getIPAddress();
    $total_price=0;
    $cart_query="Select * from cart_details where ip_address='$get_ip_add' ";
    $result=mysqli_query($con,$cart_query);
    while($row=mysqli_fetch_array($result)){
      $product_id=$row['product_id'];
      $select_products="select * from products where product_id='$product_id' ";
      $result_products=mysqli_query($con,$select_products);
        while($row_product_price=mysqli_fetch_array($result_products)){
          $product_price=array($row_product_price['product_price']);
          $product_values=array_sum($product_price);
          $total_price+=$product_values;
}
}
echo $total_price;
```

```
}
?>



<!-- row end-->


</div>
<!-- column end-->


</div>




  <!-- <div class="col-md-4 mb-2">
   <div class="card" >
 <img src="https://img101.urbanic.com/v1/goods-pic/aca6fa4b04784d2490804a57716096b0UR_w1440_q90.webp" class="card-img-top" alt="...">
 <div class="card-body">
   <h5 class="card-title">Card title</h5>
   <p class="card-text">Some quick example text to build on the card title and make up the bulk of the card's content.</p>
   <a href="#" class="btn btn-info">Add to cart</a>
   <a href="#" class="btn btn-secondary">View more</a>
 </div>
</div>
   </div>
   <div class="col-md-4 mb-2">
   <div class="card" >
 <img src="https://everstylish.com/pub/media/catalog/product/cache/f1831bc42043919087a4ff2769315671/j/e/jew1102979-1.jpg" class="card-img-top" alt="...">
 <div class="card-body">
   <h5 class="card-title">Card title</h5>
   <p class="card-text">Some quick example text to build on the card title and make up the bulk of the card's content.</p>
   <a href="#" class="btn btn-info">Add to cart</a>
   <a href="#" class="btn btn-secondary">View more</a>
```

```
  </div>
 </div>
 </div>
 <div class="col-md-4 mb-2">
  <div class="card" >
 <img
src="https://everstylish.com/pub/media/catalog/product/cache/f1831bc42043919087a4ff2769315671/j/e/jew110
2979-1.jpg" class="card-img-top" alt="...">
 <div class="card-body">
  <h5 class="card-title">Card title</h5>
  <p class="card-text">Some quick example text to build on the card title and make up the bulk of the card's
content.</p>
  <a href="#" class="btn btn-info">Add to cart</a>
  <a href="#" class="btn btn-secondary">View more</a>
  </div>
 </div>
 </div>
 <div class="col-md-4 mb-2">
  <div class="card" >
 <img
src="https://everstylish.com/pub/media/catalog/product/cache/f1831bc42043919087a4ff2769315671/j/e/jew110
2979-1.jpg" class="card-img-top" alt="...">
 <div class="card-body">
  <h5 class="card-title">Card title</h5>
  <p class="card-text">Some quick example text to build on the card title and make up the bulk of the card's
content.</p>
  <a href="#" class="btn btn-info">Add to cart</a>
  <a href="#" class="btn btn-secondary">View more</a>
  </div>
 </div>
 </div>
 <div class="col-md-4 mb-2">
  <div class="card" >
 <img
src="https://everstylish.com/pub/media/catalog/product/cache/f1831bc42043919087a4ff2769315671/j/e/jew110
2979-1.jpg" class="card-img-top" alt="...">
 <div class="card-body">
  <h5 class="card-title">Card title</h5>
  <p class="card-text">Some quick example text to build on the card title and make up the bulk of the card's
content.</p>
  <a href="#" class="btn btn-info">Add to cart</a>
```

```
    <a href="#" class="btn btn-secondary">View more</a>
    </div>
  </div>
  </div>
</div>
</div>-->




  <!--sidenav-->

  </div>
</div>

<!--searching products-->




<!-- last child-->

<div class="bg-light p-2 ">
<nav class="navbar navbar-expand-lg navbar-light" style="background-color: #FAF0E6;">
    <p>
      VOUGE VENTURE - DESIGNED IN 2024</p>
</nav>
   </div>


 <!--  <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
<script>
    $(document).ready(function() {
        $('.add-to-cart').click(function() {
            var productId = $(this).data('product-id');
            var productTitle = $(this).data('product-title');
```

```
            var productPrice = $(this).data('product-price');

            // Send AJAX request to addToCart.php
            $.ajax({
                type: 'POST',
                url: 'addToCart.php',
                data: {
                    product_id: productId,
                    product_title: productTitle,
                    product_price: productPrice
                },
                success: function(response) {
                    // Display success message or perform any other action
                    alert('Product added to cart successfully!');
                },
                error: function(xhr, status, error) {
                    // Handle errors
                    console.error(xhr.responseText);
                }
            });
        });
    });
</script>-->
<!--bootstrap js link-->
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js" integrity="sha384-YvpcrYf0tY3lHB60NNkmXc5s9fDVZLESaAA55NDzOxhy9GkcIdslK1eN7N6jIeHz" crossorigin="anonymous"></script>
</body>
</html>
Connect functions

<?php
function search_products(){
 if(isset($_GET['Search_data_product'])){
  $search_data_value=$_GET['Search_data'];
 $search_query="Select * from products where product_title like '%$search_data_value%' ";
 $result_query=mysqli_query($con,$search_query);
//$row=mysqli_fetch_assoc($result_query);
```

```
//echo $row['product_title'];
$num_of_rows=mysqli_num_rows($result_query);
if($num_of_rows==0){
echo"<h2 class='text-center text-secondary'>NO RESULTS MATCHED! NO PRODUCTS FOUND IN THIS CATEGORY!</h2>";
}
while($row=mysqli_fetch_assoc($result_query)){
$product_id=$row['product_id'];
$product_title=$row['product_title'];
$product_description=$row['product_description'];
$category_id=$row['category_id'];
$brand_id=$row['brand_id'];
$product_image=$row['product_image'];
$product_price=$row['product_price'];
echo " <div class='col-md-4 mb-2'>
<div class='card' >
<img src='./admin_area/productImages/$product_image' class='card-img-top' alt='$product_title'>
<div class='card-body'>
<h5 class='card-title'>$product_title</h5>
<p class='card-text'>$product_description</p>
<p class='card-text'>Price:Rs $product_price</p>
<a href='index.php?add_to_cart=$product_id' class='btn btn-secondary my-2'>Add to cart</a>
<form method='post' action='process_payment.php'>
<input type='hidden' name='product_name' value='$product_title'>
<input type='hidden' name='product_price' value='100'>
<input type='submit' name='buy_now' value='Buy Now' class='btn btn-secondary'>
</form>
</div>
</div>
</div>";
}
 }
}
   function getIPAddress() {
   //whether ip is from the share internet
    if(!empty($_SERVER['HTTP_CLIENT_IP'])) {
            $ip = $_SERVER['HTTP_CLIENT_IP'];
      }
```

```
    //whether ip is from the proxy
    elseif (!empty($_SERVER['HTTP_X_FORWARDED_FOR'])) {
            $ip = $_SERVER['HTTP_X_FORWARDED_FOR'];
     }
//whether ip is from the remote address
    else{
          $ip = $_SERVER['REMOTE_ADDR'];
     }
     return $ip;
}
//$ip = getIPAddress();
//echo 'User Real IP Address - '.$ip;

//cart function
function cart(){
if(isset($_GET['add_to_cart'])){
    global $con;
    $ip = getIPAddress();
    $get_product_id=$_GET['add_to_cart'];
    $select_query="select * from cart_details where ip_address=$ip and product_id=$get_product_id";
    $result_query=mysqli_query($con,$select_query);
    $num_of_rows=mysqli_num_rows($result_query);
if($num_of_rows>0){
echo"<script>alert("Item is already present in the cart")</script>";
echo "<script>window.open('index.php)</script>";
else{
    $insert_query="insert into
cart_details(product_id,ip_address,quantity)values($get_product_id,'$get_ip_add',0)";
    $result_query=mysqli_query($con,$insert_query);
    echo "<script>window.open('index.php)</script>";
}
}
}
}
```

```
?>
Display all products
<!-- connect file-->
<?php
include('includes/connect.php');



?>
<!DOCTYPE html>
<html lang="en">
   <head>
      <meta charset="UTF-8">
      <meta http-equiv="X-UA-Compatible" content="IE=edge">
      <meta name="viewpoint" content="width=device-width,initial-scale=1.0">
      <title>Ecommerce Website using PHP and MySQL</title>
      <!--bootstrap CSS link-->
      <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet"
integrity="sha384-QWTKZyjpPEjISv5WaRU9OFeRpok6YctnYmDr5pNlyT2bRjXh0JMhjY6hW+ALEwIH"
crossorigin="anonymous">
      <!--font awesome link-->
      <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.5.1/css/all.min.css"
integrity="sha512-
DTOQO9RWCH3ppGqcWaEA1BIZOC6xxalwEsw9c2QQeAIftl+Vegovlnee1c9QX4TctnWMn13TZye+giMm
8e2LwA==" crossorigin="anonymous" referrerpolicy="no-referrer" />
</head>
<body>
  <!--navbar-->
  <style>
   .card-img-top{
   width:100%;
   height:200px;
   object-fit:contain;
}</style>
  <div class="container-fluid p-0">
   <!-- first child-->
   <nav class="navbar navbar-expand-lg navbar-light" style="background-color: linen;">
 <div class="container-fluid">
 <img src="https://techbullion.com/wp-content/uploads/2022/09/677t7676.jpg"  height="30">
   <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-
target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-expanded="false" aria-
```

```
label="Toggle navigation">
      <span class="navbar-toggler-icon"></span>
    </button>
    <div class="collapse navbar-collapse" id="navbarSupportedContent">
      <ul class="navbar-nav me-auto mb-2 mb-lg-0">
        <li class="nav-item">
          <a class="nav-link active" aria-current="page" href="index.php">Home</a>
        </li>

        <li class="nav-item">
          <a class="nav-link" href="display_all.php">Products</a>
        </li>
        <!--<li class="nav-item">
          <a class="nav-link" href="#">Register</a>
        </li>
        <li class="nav-item">
          <a class="nav-link" href="#">Contact</a>
        </li>-->
        <li class="nav-item">
          <a class="nav-link" href="#"><i class="fa fa-shopping-cart" aria-hidden="true"></i><sup>
        <?php
        cart_item()
        ?>
        </sup></a>
        </li>

        <!--<li class="nav-item">
          <a class="nav-link" href="#">Total Price</a>
        </li>-->

      </ul>
      <form class="d-flex" role="search" action="search_product.php" method="get" >
        <input class="form-control me-2" type="search" placeholder="Search" aria-label="Search"
name="Search_data">
        <!--<button class="btn btn-outline-success" type="submit">Search</button>-->
        <input type="submit" value="Search" class="btn btn-outline-secondary" name="Search_data_product">
      </form>
    </div>
```

```
  </div>
</nav>
<!-- second child-->

<nav class="navbar navbar-expand-lg navbar-dark bg-secondary p-0">
   <div class="container-fluid"> <!-- Add a container for better spacing -->
      <ul class="navbar-nav me-auto"> <!-- Changed class name to "me-auto" for correct alignment -->
         <li class="nav-item">
            <a class="nav-link" href="#">Welcome Patron</a>
         </li>
        <!-- <li class="nav-item" style="margin-left: 10px;"> Add inline style to adjust margin
            <a class="nav-link" href="#">Login</a>
         </li>-->
      </ul>
   </div>
</nav>

<!-- third child-->
<div class="bg-light">
  <h3 class="text-center">Vogue Venture</h3>
  <p class="text-center">Looks so Good on the Outside, It'll Make You Feel Good  on the Inside</p>
</div>
<!-- fourth child-->
<div class="row px-3">
  <div class="col-md-12">
  <!--products-->
  <div class="row">
<!--getting products-->
<?php

$select_query="select * from products order by rand() ";
$result_query=mysqli_query($con,$select_query);

  //$row=mysqli_fetch_assoc($result_query);
  //echo $row['product_title'];
  while($row=mysqli_fetch_assoc($result_query)){
   $product_id=$row['product_id'];
```

```
    $product_title=$row['product_title'];
    $product_description=$row['product_description'];
    $category_id=$row['category_id'];
    $brand_id=$row['brand_id'];
    $product_image=$row['product_image'];
    $product_price=$row['product_price'];
    echo " <div class='col-md-4 mb-2'>
    <div class='card' >
  <img src='./admin_area/productImages/$product_image' class='card-img-top' alt='$product_title'>
  <div class='card-body'>
    <h5 class='card-title'>$product_title</h5>
    <p class='card-text'>$product_description</p>
    <p class='card-text'>Price:Rs $product_price</p>
    <a href='index.php?add_to_cart=$product_id' class='btn btn-secondary my-2'>Add to cart</a>
    <form method='post' action='process_payment.php'>
    <input type='hidden' name='product_name' value='$product_title'>
    <input type='hidden' name='product_price' value='100'>
    <input type='submit' name='buy_now' value='Buy Now' class='btn btn-secondary '>
</form>
  </div>
</div>
</div>";
   }


?>
<?php
function get_all_products(){

    $select_query="select * from products order by rand() ";
    $result_query=mysqli_query($con,$select_query);

       //$row=mysqli_fetch_assoc($result_query);
       //echo $row['product_title'];
       while($row=mysqli_fetch_assoc($result_query)){
        $product_id=$row['product_id'];
        $product_title=$row['product_title'];
```

```
        $product_description=$row['product_description'];
        $category_id=$row['category_id'];
        $brand_id=$row['brand_id'];
        $product_image=$row['product_image'];
        $product_price=$row['product_price'];
        echo " <div class='col-md-4 mb-2'>
        <div class='card' >
      <img src='./admin_area/productImages/$product_image' class='card-img-top' alt='$product_title'>
      <div class='card-body'>
        <h5 class='card-title'>$product_title</h5>
        <p class='card-text'>$product_description</p>
        <p class='card-text'>Price:Rs $product_price</p>
        <a href='#' class='btn btn-secondary'>Buy now</a>
        <a href='#' class='btn btn-secondary'>View more</a>
      </div>
    </div>
    </div>";
      }
}

  ?>
  ?>
<?php
 function getIPAddress() {
    //whether ip is from the share internet
     if(!empty($_SERVER['HTTP_CLIENT_IP'])) {
                $ip = $_SERVER['HTTP_CLIENT_IP'];
        }
    //whether ip is from the proxy
    elseif (!empty($_SERVER['HTTP_X_FORWARDED_FOR'])) {
                $ip = $_SERVER['HTTP_X_FORWARDED_FOR'];
     }
//whether ip is from the remote address
    else{
             $ip = $_SERVER['REMOTE_ADDR'];
     }
     return $ip;
```

```
}
?>
<?php

if(isset($_GET['add_to_cart'])){
  global $con;
  $get_ip_add = getIPAddress();
  $get_product_id=$_GET['add_to_cart'];

  $select_query="select * from cart_details where ip_address='$get_ip_add'  and product_id=$get_product_id";
  $result_query=mysqli_query($con,$select_query);
  $num_of_rows=mysqli_num_rows($result_query);
if($num_of_rows>0){
echo"<script>alert('Item is already present in the cart')</script>";
echo "<script>window.open('index.php','_self')</script>";
}else{
  $insert_query="insert into
cart_details(product_id,ip_address,quantity)values($get_product_id,'$get_ip_add',0)";
  $result_query=mysqli_query($con,$insert_query);
  echo"<script>alert('Item is added to cart')</script>";
  echo "<script>window.open('index.php','_self')</script>";

}
}

//function to get cart item number
function cart_item(){
  if(isset($_GET['add_to_cart'])){
    global $con;
    $get_ip_add = getIPAddress();
    $select_query="select * from cart_details where ip_address='$get_ip_add' ";
    $result_query=mysqli_query($con,$select_query);
    $count_cart_items=mysqli_num_rows($result_query);

  }else{
    global $con;
    $get_ip_add = getIPAddress();
    $select_query="select * from cart_details where ip_address='$get_ip_add' ";
```

```
    $result_query=mysqli_query($con,$select_query);
    $count_cart_items=mysqli_num_rows($result_query);



  }
  echo $count_cart_items;
  }



  function total_cart_price(){
    global $con;
      $get_ip_add = getIPAddress();
      $total_price=0;
      $cart_query="Select * from cart_details where ip_address='$get_ip_add' ";
      $result=mysqli_query($con,$cart_query);
      while($row=mysqli_fetch_array($result)){
        $product_id=$row['product_id'];
        $select_products="select * from products where product_id='$product_id' ";
        $result_products=mysqli_query($con,$select_products);
          while($row_product_price=mysqli_fetch_array($result_products)){
            $product_price=array($row_product_price['product_price']);
            $product_values=array_sum($product_price);
            $total_price+=$product_values;
 }
 }
echo $total_price;
}
?>
   <!-- <div class="col-md-4 mb-2">
    <div class="card" >
  <img src="https://img101.urbanic.com/v1/goods-
pic/aca6fa4b04784d2490804a57716096b0UR_w1440_q90.webp" class="card-img-top" alt="...">
  <div class="card-body">
    <h5 class="card-title">Card title</h5>
    <p class="card-text">Some quick example text to build on the card title and make up the bulk of the card's
content.</p>
    <a href="#" class="btn btn-info">Add to cart</a>
    <a href="#" class="btn btn-secondary">View more</a>
```

```
  </div>
</div>
</div>-->
<!-- row end-->


</div>
<!-- column end-->


</div>









  <!-- <div class="col-md-4 mb-2">
   <div class="card" >
 <img src="https://img101.urbanic.com/v1/goods-pic/aca6fa4b04784d2490804a57716096b0UR_w1440_q90.webp" class="card-img-top" alt="...">
  <div class="card-body">
   <h5 class="card-title">Card title</h5>
   <p class="card-text">Some quick example text to build on the card title and make up the bulk of the card's content.</p>
   <a href="#" class="btn btn-info">Add to cart</a>
   <a href="#" class="btn btn-secondary">View more</a>
  </div>
</div>
   </div>
   <div class="col-md-4 mb-2">
   <div class="card" >
 <img src="https://everstylish.com/pub/media/catalog/product/cache/f1831bc42043919087a4ff2769315671/j/e/jew1102979-1.jpg" class="card-img-top" alt="...">
  <div class="card-body">
   <h5 class="card-title">Card title</h5>
   <p class="card-text">Some quick example text to build on the card title and make up the bulk of the card's content.</p>
   <a href="#" class="btn btn-info">Add to cart</a>
   <a href="#" class="btn btn-secondary">View more</a>
   </div>
  </div>
```

```
</div>
<div class="col-md-4 mb-2">
<div class="card" >
<img
src="https://everstylish.com/pub/media/catalog/product/cache/f1831bc42043919087a4ff2769315671/j/e/jew1102979-1.jpg" class="card-img-top" alt="...">
<div class="card-body">
<h5 class="card-title">Card title</h5>
<p class="card-text">Some quick example text to build on the card title and make up the bulk of the card's content.</p>
<a href="#" class="btn btn-info">Add to cart</a>
<a href="#" class="btn btn-secondary">View more</a>
</div>
</div>
</div>
<div class="col-md-4 mb-2">
<div class="card" >
<img
src="https://everstylish.com/pub/media/catalog/product/cache/f1831bc42043919087a4ff2769315671/j/e/jew1102979-1.jpg" class="card-img-top" alt="...">
<div class="card-body">
<h5 class="card-title">Card title</h5>
<p class="card-text">Some quick example text to build on the card title and make up the bulk of the card's content.</p>
<a href="#" class="btn btn-info">Add to cart</a>
<a href="#" class="btn btn-secondary">View more</a>
</div>
</div>
</div>
<div class="col-md-4 mb-2">
<div class="card" >
<img
src="https://everstylish.com/pub/media/catalog/product/cache/f1831bc42043919087a4ff2769315671/j/e/jew1102979-1.jpg" class="card-img-top" alt="...">
<div class="card-body">
<h5 class="card-title">Card title</h5>
<p class="card-text">Some quick example text to build on the card title and make up the bulk of the card's content.</p>
<a href="#" class="btn btn-info">Add to cart</a>
<a href="#" class="btn btn-secondary">View more</a>
</div>
```

```
  </div>
  </div>
</div>
</div>-->
  <!—sidenav>
  </div>
</div>

<!--searching products-->

<!-- last child-->
<!--include footer-->

<?php
include("./includes/footer.php");
?>
<!--bootstrap js link-->
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js" integrity="sha384-
YvpcrYf0tY3lHB60NNkmXc5s9fDVZLESaAA55NDzOxhy9GkcIdslK1eN7N6jIeHz"
crossorigin="anonymous"></script>
</body>
</html>
```

Footer:

```
<div class="bg-light p-2 ">
<nav class="navbar navbar-expand-lg navbar-light" style="background-color: #FAF0E6;">
    <p>
    VOUGE VENTURE - DESIGNED IN 2024</p>
</nav>
   </div>
```

Cart php

```
<!-- connect file-->
<?php
include('includes/connect.php');



?>
<!DOCTYPE html>
<html lang="en">
```

```
    <head>
        <meta charset="UTF-8">
        <meta http-equiv="X-UA-Compatible" content="IE=edge">
        <meta name="viewpoint" content="width=device-width,initial-scale=1.0">
        <title>Ecommerce Website Cart details</title>
        <!--bootstrap CSS link-->
        <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet"
integrity="sha384-QWTKZyjpPEjISv5WaRU9OFeRpok6YctnYmDr5pNlyT2bRjXh0JMhjY6hW+ALEwIH"
crossorigin="anonymous">
        <!--font awesome link-->
        <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.5.1/css/all.min.css"
integrity="sha512-
DTOQO9RWCH3ppGqcWaEA1BIZOC6xxalwEsw9c2QQeAIftl+Vegovlnee1c9QX4TctnWMn13TZye+giMm
8e2LwA==" crossorigin="anonymous" referrerpolicy="no-referrer" />
</head>
<body>
   <!--navbar-->
   <style>
    .card-img-top{
    width:100%;
    height:200px;
    object-fit:contain;
}
.cart_img{
    width:100px;
    height:100px;
    object-fit:contain;
}

</style>
   <div class="container-fluid p-0">
    <!-- first child-->
    <nav class="navbar navbar-expand-lg navbar-light" style="background-color: linen;">
  <div class="container-fluid">
  <img src="https://techbullion.com/wp-content/uploads/2022/09/677t7676.jpg"  height="30">
    <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-
target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-expanded="false" aria-
label="Toggle navigation">
      <span class="navbar-toggler-icon"></span>
    </button>
```

```
    <div class="collapse navbar-collapse" id="navbarSupportedContent">
      <ul class="navbar-nav me-auto mb-2 mb-lg-0">
        <li class="nav-item">
          <a class="nav-link active" aria-current="page" href="index.php">Home</a>
        </li>

        <li class="nav-item">
          <a class="nav-link" href="display_all.php">Products</a>
        </li>
        <!--<li class="nav-item">
          <a class="nav-link" href="#">Register</a>
        </li>
        <li class="nav-item">
          <a class="nav-link" href="#">Contact</a>
        </li>-->
        <li class="nav-item">
          <a class="nav-link" href="cart.php"><i class="fa fa-shopping-cart" aria-hidden="true"></i><sup>
        <?php
        cart_item()
        ?>
        </sup>
        </a>
        </li>

        <!--li class="nav-item">
          <a class="nav-link" href="#">Total Price:

            </a>
        </li>-->

      </ul>

    </div>
  </div>
</nav>
<!-- second child-->
```

```
<nav class="navbar navbar-expand-lg navbar-dark bg-secondary p-0">
   <div class="container-fluid"> <!-- Add a container for better spacing -->
      <ul class="navbar-nav me-auto"> <!-- Changed class name to "me-auto" for correct alignment -->
         <li class="nav-item">
            <a class="nav-link" href="#">Welcome Patron</a>
         </li>
        <!-- <li class="nav-item" style="margin-left: 10px;"> Add inline style to adjust margin
            <a class="nav-link" href="#">Login</a>
         </li> -->
      </ul>
   </div>
</nav>

<!-- third child-->
<div class="bg-light">
  <h3 class="text-center">Vogue Venture</h3>
  <p class="text-center">Looks so Good on the Outside, It'll Make You Feel Good  on the Inside</p>
</div>




<?php
 function getIPAddress() {
   //whether ip is from the share internet
    if(!empty($_SERVER['HTTP_CLIENT_IP'])) {
            $ip = $_SERVER['HTTP_CLIENT_IP'];
      }
   //whether ip is from the proxy
   elseif (!empty($_SERVER['HTTP_X_FORWARDED_FOR'])) {
            $ip = $_SERVER['HTTP_X_FORWARDED_FOR'];
    }
//whether ip is from the remote address
   else{
          $ip = $_SERVER['REMOTE_ADDR'];
    }
    return $ip;
}
```

```
?>
<?php

if(isset($_GET['add_to_cart'])){
  global $con;
  $get_ip_add = getIPAddress();
  $get_product_id=$_GET['add_to_cart'];

  $select_query="select * from cart_details where ip_address='$get_ip_add'  and product_id=$get_product_id";
  $result_query=mysqli_query($con,$select_query);
  $num_of_rows=mysqli_num_rows($result_query);
if($num_of_rows>0){
echo"<script>alert('Item is already present in the cart')</script>";
echo "<script>window.open('index.php','_self')</script>";
}else{
  $insert_query="insert into
cart_details(product_id,ip_address,quantity)values($get_product_id,'$get_ip_add',0)";
  $result_query=mysqli_query($con,$insert_query);
  echo"<script>alert('Item is added to cart')</script>";
  echo "<script>window.open('index.php','_self')</script>";

}
}

//function to get cart item number
function cart_item(){
  if(isset($_GET['add_to_cart'])){
    global $con;
    $get_ip_add = getIPAddress();
    $select_query="select * from cart_details where ip_address='$get_ip_add' ";
    $result_query=mysqli_query($con,$select_query);
    $count_cart_items=mysqli_num_rows($result_query);

  }else{
    global $con;
    $get_ip_add = getIPAddress();
    $select_query="select * from cart_details where ip_address='$get_ip_add' ";
    $result_query=mysqli_query($con,$select_query);
```

```
  $count_cart_items=mysqli_num_rows($result_query);



}
echo $count_cart_items;
}



function total_cart_price(){
  global $con;
    $get_ip_add = getIPAddress();
    $total_price=0;
    $cart_query="Select * from cart_details where ip_address='$get_ip_add' ";
    $result=mysqli_query($con,$cart_query);
    while($row=mysqli_fetch_array($result)){
      $product_id=$row['product_id'];
      $select_products="select * from products where product_id='$product_id' ";
      $result_products=mysqli_query($con,$select_products);
        while($row_product_price=mysqli_fetch_array($result_products)){
          $product_price=array($row_product_price['product_price']);
          $product_values=array_sum($product_price);
          $total_price+=$product_values;
}
}
echo $total_price;
}
?>



  <!--fourth child-->
   <div class="container">
      <div class="row">
         <form action="" method="post">
```

```
<table class="table table-bordered text-center">

<!--php code to display dynamic data-->
<?php

$get_ip_add = getIPAddress();
$total_price=0;
$cart_query="Select * from cart_details where ip_address='$get_ip_add' ";
$result=mysqli_query($con,$cart_query);
$result_count=mysqli_num_rows($result);
if($result_count>0){
  echo '<thead>
  <tr>
    <th>Product Title</th>
    <th>Product Image</th>
    <th>Quantity</th>
    <th>Total Price</th>
    <th>Remove</th>
    <th colspan="2">Operations</th>
  </tr>
</thead>
<tbody>';
  while($row=mysqli_fetch_array($result)){
    $product_id=$row['product_id'];
    $select_products="select * from products where product_id='$product_id' ";
    $result_products=mysqli_query($con,$select_products);
     while($row_product_price=mysqli_fetch_array($result_products)){
       $product_price=array($row_product_price['product_price']);
       $price_table=$row_product_price['product_price'];
       $product_title=$row_product_price['product_title'];
       $product_image=$row_product_price['product_image'];
       $product_values=array_sum($product_price);
       $total_price+=$product_values;


?>
            <tr>
```

```
                <td><?php echo $product_title ?></td>
                <td><img src="http://localhost/Ecommerce%20Website/images/<?php echo $product_image?>"
class="cart_img"> </td>
                <td> <input type="text" class="form-input w-50" name="qty"></td>
                <?php
                global $con;
                $get_ip_add = getIPAddress();
                if(isset($_POST['update_cart'])){
                   $quantities=$_POST['qty'];
                   $update_cart="update cart_details set quantity=$quantities where ip_address='$get_ip_add' ";
                   $result_products_quantity=mysqli_query($con,$update_cart);
                   $total_price=$total_price*$quantities;
                }?>
                <td><?php echo $price_table ?></td>
                <td><input type="checkbox" name="removeitem[]" value="<?php echo $product_id ?>" ></td>
                <td>
                   <input type="submit" value="update cart" style="background-color: linen;"
name="update_cart" >
                <!--<button style="background-color: linen; border-0">Update</button></a>-->
                <input type="submit" value="Remove from cart" style="background-color: linen;"
name="remove_cart" >
                </td>
              </tr>
              <?php
             }
            }
          }
          else{
            echo "<h2 class='text-center' >Cart is Empty</h2>";
          }
           ?>
            </tbody>
          </table>

          <!-- subtotal-->
          <div class="d-flex">
            <?php
            $get_ip_add = getIPAddress();
```

```
            $cart_query="Select * from cart_details where ip_address='$get_ip_add' ";
            $result=mysqli_query($con,$cart_query);
            $result_count=mysqli_num_rows($result);
            if($result_count>0){
              echo "<h4 class='px-3'>Subtotal:<strong class='text-secondary'>$total_price</strong></h4>
              <input type='submit' value='Continue Shopping' style='background-color: linen;'
name='continue_shopping'>
              <a href='process_payment.php' class='btn btn-secondary '>Buy now</a>";
            } else{
            echo "  <input type='submit' value='Continue Shopping' style='background-color: linen;'
name='continue_shopping' >";
            }
            if(isset($_POST['continue_shopping'])){
              echo "<script>window.open('index.php','_self')</script>";
            }
            ?>




          </div>
        </div>
    </div>
    </form>
    <!-- function to remove item-->
    <?php
    global $con;
    function remove_cart_item(){
      global $con;
       if(isset($_POST['remove_cart'])){
          foreach($_POST['removeitem'] as $remove_id){
            echo   $remove_id;
            $delete_query="delete from cart_details where product_id=$remove_id ";
            $run_delete=mysqli_query($con,$delete_query);
            if($run_delete){
              echo "<script>window.open('cart.php','_self')</script>";
            }
          }
```

```
        }
    }
    echo $remove_item=remove_cart_item();
    ?>
    <div class="bg-light p-2 ">
<nav class="navbar navbar-expand-lg navbar-light" style="background-color: #FAF0E6;">
    <p>
    VOUGE VENTURE - DESIGNED IN 2024</p>
</nav>
   </div>


<!--bootstrap js link-->
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js" integrity="sha384-
YvpcrYf0tY3lHB60NNkmXc5s9fDVZLESaAA55NDzOxhy9GkcIdslK1eN7N6jIeHz"
crossorigin="anonymous"></script>
</body>
</html>
Search products
<!-- connect file-->
<?php
include('includes/connect.php');



?>
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="UTF-8">
        <meta http-equiv="X-UA-Compatible" content="IE=edge">
        <meta name="viewpoint" content="width=device-width,initial-scale=1.0">
        <title>Ecommerce Website using PHP and MySQL</title>
        <!--bootstrap CSS link-->
        <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet"
integrity="sha384-QWTKZyjpPEjISv5WaRU9OFeRpok6YctnYmDr5pNlyT2bRjXh0JMhjY6hW+ALEwIH"
crossorigin="anonymous">
        <!--font awesome link-->
        <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.5.1/css/all.min.css"
integrity="sha512-
DTOQO9RWCH3ppGqcWaEA1BIZOC6xxalwEsw9c2QQeAIftl+Vegovlnee1c9QX4TctnWMn13TZye+giMm
8e2LwA==" crossorigin="anonymous" referrerpolicy="no-referrer" />
```

```
</head>
<body>
  <!--navbar-->
  <style>
   .card-img-top{
   width:100%;
   height:200px;
   object-fit:contain;
}</style>
  <div class="container-fluid p-0">
   <!-- first child-->
   <nav class="navbar navbar-expand-lg navbar-light" style="background-color: linen;">
 <div class="container-fluid">
 <img src="https://techbullion.com/wp-content/uploads/2022/09/677t7676.jpg"  height="30">
   <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-
target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-expanded="false" aria-
label="Toggle navigation">
     <span class="navbar-toggler-icon"></span>
   </button>
   <div class="collapse navbar-collapse" id="navbarSupportedContent">
    <ul class="navbar-nav me-auto mb-2 mb-lg-0">
     <li class="nav-item">
      <a class="nav-link active" aria-current="page" href="index.php">Home</a>
     </li>

     <li class="nav-item">
      <a class="nav-link" href="#">Products</a>
     </li>
     <!--<li class="nav-item">
      <a class="nav-link" href="#">Register</a>
     </li>
     <li class="nav-item">
      <a class="nav-link" href="#">Contact</a>
     </li>-->
     <li class="nav-item">
      <a class="nav-link" href="#"><i class="fa fa-shopping-cart" aria-hidden="true"></i><sup>
     <?php
     cart_item()
```

```
        ?>
        </sup></a>
        </li>

        <!--<li class="nav-item">
          <a class="nav-link" href="#">Total Price:</a>
        </li>-->

      </ul>
      <form class="d-flex" role="search" action="" method="get">
        <input class="form-control me-2" type="search" placeholder="Search" aria-label="Search"
name="Search_data">
        <!--<button class="btn btn-outline-success" type="submit">Search</button>-->
        <input type="submit" value="Search" class="btn btn-outline-secondary" name="Search_data_product">
      </form>
    </div>
  </div>
</nav>
<!-- second child-->

<nav class="navbar navbar-expand-lg navbar-dark bg-secondary p-0">
    <div class="container-fluid"> <!-- Add a container for better spacing -->
        <ul class="navbar-nav me-auto"> <!-- Changed class name to "me-auto" for correct alignment -->
            <li class="nav-item">
                <a class="nav-link" href="#">Welcome Patron</a>
            </li>
            <!--<li class="nav-item" style="margin-left: 10px;">  Add inline style to adjust margin
                <a class="nav-link" href="#">Login</a>
            </li>-->
        </ul>
    </div>
</nav>

<!-- third child-->
<div class="bg-light">
  <h3 class="text-center">Vogue Venture</h3>
  <p class="text-center">Looks so Good on the Outside, It'll Make You Feel Good  on the Inside</p>
</div>
```

```
<!-- fourth child-->
<div class="row px-3">
  <div class="col-md-12">
  <!--products-->
  <div class="row">
<!--fetching products-->
<?php
    if(isset($_GET['Search_data_product'])){
      $search_data_value=$_GET['Search_data'];
     $search_query="Select * from products where product_title like '%$search_data_value%' ";
     $result_query=mysqli_query($con,$search_query);
   //$row=mysqli_fetch_assoc($result_query);
   //echo $row['product_title'];
   $num_of_rows=mysqli_num_rows($result_query);
   if($num_of_rows==0){
    echo"<h2 class='text-center text-secondary'>NO RESULTS MATCHED! NO PRODUCTS FOUND IN
THIS CATEGORY!</h2>";
   }
   while($row=mysqli_fetch_assoc($result_query)){
    $product_id=$row['product_id'];
    $product_title=$row['product_title'];
    $product_description=$row['product_description'];
    $category_id=$row['category_id'];
    $brand_id=$row['brand_id'];
    $product_image=$row['product_image'];
    $product_price=$row['product_price'];
    echo " <div class='col-md-4 mb-2'>
    <div class='card' >
  <img src='./admin_area/productImages/$product_image' class='card-img-top' alt='$product_title'>
  <div class='card-body'>
    <h5 class='card-title'>$product_title</h5>
    <p class='card-text'>$product_description</p>
    <p class='card-text'>Price:Rs $product_price</p>
    <a href='index.php?add_to_cart=$product_id' class='btn btn-secondary my-2'>Add to cart</a>
  <form method='post' action='process_payment.php'>
    <input type='hidden' name='product_name' value='$product_title'>
    <input type='hidden' name='product_price' value='100'>
    <input type='submit' name='buy_now' value='Buy Now' class='btn btn-secondary'>
```

```
</form>
  </div>
</div>
</div>";
   }


    }

?>
?>
<?php
 function getIPAddress() {
    //whether ip is from the share internet
     if(!empty($_SERVER['HTTP_CLIENT_IP'])) {
                $ip = $_SERVER['HTTP_CLIENT_IP'];
        }
    //whether ip is from the proxy
    elseif (!empty($_SERVER['HTTP_X_FORWARDED_FOR'])) {
                $ip = $_SERVER['HTTP_X_FORWARDED_FOR'];
     }
//whether ip is from the remote address
    else{
             $ip = $_SERVER['REMOTE_ADDR'];
     }
     return $ip;
}
?>
<?php

if(isset($_GET['add_to_cart'])){
  global $con;
  $get_ip_add = getIPAddress();
  $get_product_id=$_GET['add_to_cart'];

  $select_query="select * from cart_details where ip_address='$get_ip_add'  and product_id=$get_product_id";
  $result_query=mysqli_query($con,$select_query);
  $num_of_rows=mysqli_num_rows($result_query);
```

```
if($num_of_rows>0){
echo"<script>alert('Item is already present in the cart')</script>";
echo "<script>window.open('index.php','_self')</script>";
}else{
  $insert_query="insert into
cart_details(product_id,ip_address,quantity)values($get_product_id,'$get_ip_add',0)";
  $result_query=mysqli_query($con,$insert_query);
  echo"<script>alert('Item is added to cart')</script>";
  echo "<script>window.open('index.php','_self')</script>";

}
}

//function to get cart item number
function cart_item(){
  if(isset($_GET['add_to_cart'])){
    global $con;
    $get_ip_add = getIPAddress();
    $select_query="select * from cart_details where ip_address='$get_ip_add' ";
    $result_query=mysqli_query($con,$select_query);
    $count_cart_items=mysqli_num_rows($result_query);

  }else{
    global $con;
    $get_ip_add = getIPAddress();
    $select_query="select * from cart_details where ip_address='$get_ip_add' ";
    $result_query=mysqli_query($con,$select_query);
    $count_cart_items=mysqli_num_rows($result_query);


  }
  echo $count_cart_items;
  }


  function total_cart_price(){
    global $con;
      $get_ip_add = getIPAddress();
```

```
    $total_price=0;
    $cart_query="Select * from cart_details where ip_address='$get_ip_add' ";
    $result=mysqli_query($con,$cart_query);
    while($row=mysqli_fetch_array($result)){
     $product_id=$row['product_id'];
     $select_products="select * from products where product_id='$product_id' ";
     $result_products=mysqli_query($con,$select_products);
       while($row_product_price=mysqli_fetch_array($result_products)){
          $product_price=array($row_product_price['product_price']);
          $product_values=array_sum($product_price);
          $total_price+=$product_values;
 }
 }
echo $total_price;
}
?>



  <!-- <div class="col-md-4 mb-2">
   <div class="card" >
  <img src="https://img101.urbanic.com/v1/goods-
pic/aca6fa4b04784d2490804a57716096b0UR_w1440_q90.webp" class="card-img-top" alt="...">
  <div class="card-body">
    <h5 class="card-title">Card title</h5>
    <p class="card-text">Some quick example text to build on the card title and make up the bulk of the card's
content.</p>
    <a href="#" class="btn btn-info">Add to cart</a>
    <a href="#" class="btn btn-secondary">View more</a>
  </div>
</div>
</div>-->
<!-- row end-->


</div>
<!-- column end-->


</div>
```

```
  <!-- <div class="col-md-4 mb-2">
   <div class="card" >
  <img src="https://img101.urbanic.com/v1/goods-pic/aca6fa4b04784d2490804a57716096b0UR_w1440_q90.webp" class="card-img-top" alt="...">
  <div class="card-body">
    <h5 class="card-title">Card title</h5>
    <p class="card-text">Some quick example text to build on the card title and make up the bulk of the card's content.</p>
    <a href="#" class="btn btn-info">Add to cart</a>
    <a href="#" class="btn btn-secondary">View more</a>
  </div>
</div>
    </div>
    <div class="col-md-4 mb-2">
    <div class="card" >
  <img src="https://everstylish.com/pub/media/catalog/product/cache/f1831bc42043919087a4ff2769315671/j/e/jew1102979-1.jpg" class="card-img-top" alt="...">
  <div class="card-body">
    <h5 class="card-title">Card title</h5>
    <p class="card-text">Some quick example text to build on the card title and make up the bulk of the card's content.</p>
    <a href="#" class="btn btn-info">Add to cart</a>
    <a href="#" class="btn btn-secondary">View more</a>
    </div>
  </div>
  </div>
  <div class="col-md-4 mb-2">
    <div class="card" >
  <img src="https://everstylish.com/pub/media/catalog/product/cache/f1831bc42043919087a4ff2769315671/j/e/jew1102979-1.jpg" class="card-img-top" alt="...">
  <div class="card-body">
    <h5 class="card-title">Card title</h5>
    <p class="card-text">Some quick example text to build on the card title and make up the bulk of the card's content.</p>
```

```
    <a href="#" class="btn btn-info">Add to cart</a>
    <a href="#" class="btn btn-secondary">View more</a>
    </div>
  </div>
  </div>
  <div class="col-md-4 mb-2">
    <div class="card" >
  <img
src="https://everstylish.com/pub/media/catalog/product/cache/f1831bc42043919087a4ff2769315671/j/e/jew1102979-1.jpg" class="card-img-top" alt="...">
  <div class="card-body">
    <h5 class="card-title">Card title</h5>
    <p class="card-text">Some quick example text to build on the card title and make up the bulk of the card's content.</p>
    <a href="#" class="btn btn-info">Add to cart</a>
    <a href="#" class="btn btn-secondary">View more</a>
    </div>
  </div>
  </div>
  <div class="col-md-4 mb-2">
    <div class="card" >
  <img
src="https://everstylish.com/pub/media/catalog/product/cache/f1831bc42043919087a4ff2769315671/j/e/jew1102979-1.jpg" class="card-img-top" alt="...">
  <div class="card-body">
    <h5 class="card-title">Card title</h5>
    <p class="card-text">Some quick example text to build on the card title and make up the bulk of the card's content.</p>
    <a href="#" class="btn btn-info">Add to cart</a>
    <a href="#" class="btn btn-secondary">View more</a>
    </div>
  </div>
  </div>
</div>
</div>-->
```

```
  <!--sidenav-->


  </div>
</div>
<!--searching products-->
<?php
function search_products(){
if(isset($_GET['Search_data_product'])){
    $search_data_value=$_GET['Search_data'];
   $search_query="Select * from products where product_title like '%$search_data_value%' ";
   $result_query=mysqli_query($con,$search_query);
   //$row=mysqli_fetch_assoc($result_query);
   //echo $row['product_title'];
   $num_of_rows=mysql_num_rows($result_query);
   if($num_of_rows==0){
    echo"<h2 class='text-center text-secondary'>NO RESULTS MATCHED! NO PRODUCTS FOUND IN
THIS CATEGORY!</h2>";
   }
   while($row=mysqli_fetch_assoc($result_query)){
    $product_id=$row['product_id'];
    $product_title=$row['product_title'];
    $product_description=$row['product_description'];
    $category_id=$row['category_id'];
    $brand_id=$row['brand_id'];
    $product_image=$row['product_image'];
    $product_price=$row['product_price'];
    echo " <div class='col-md-4 mb-2'>
    <div class='card' >
  <img src='./admin_area/productImages/$product_image' class='card-img-top' alt='$product_title'>
  <div class='card-body'>
    <h5 class='card-title'>$product_title</h5>
    <p class='card-text'>$product_description</p>
    <p class='card-text'>Price:Rs $product_price</p>
    <a href='#' class='btn btn-secondary'>Buy now</a>
    <a href='#' class='btn btn-secondary'>View more</a>
  </div>
</div>
</div>";
```

```
  }
  }
}
?>
<!-- last child-->

<div class="bg-light p-2 ">
<nav class="navbar navbar-expand-lg navbar-light" style="background-color: #FAF0E6;">
   <p>
   VOUGE VENTURE - DESIGNED IN 2024</p>
</nav>
  </div>
<!--bootstrap js link-->
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js" integrity="sha384-
YvpcrYf0tY3lHB60NNkmXc5s9fDVZLESaAA55NDzOxhy9GkcIdslK1eN7N6jIeHz"
crossorigin="anonymous"></script>
</body>
</html>
Insert_products
<?php
include('../includes/connect.php');
if(isset($_POST['insert_product'])){
  $product_title=$_POST['product_title'];
  $product_description=$_POST['product_description'];
  $product_category=$_POST['product_category'];
  $product_brand=$_POST['product_brand'];
  $product_price=$_POST['product_price'];
  //accessing image
  $product_image=$_FILES['product_image']['name'];
  $product_image_tmp = $_FILES['product_image']['tmp_name'];
    move_uploaded_file($product_image_tmp, "./productImages/$product_image");

    // Insert product details into database
    $insert_product_query="insert into products
(product_title,product_description,category_id,brand_id,product_image,product_price)
values('$product_title','$product_description','$product_category ' , '$product_brand ' ,'$product_image ','
$product_price ' )";

    $run_product = mysqli_query($con, $insert_product_query);
```

```
    if($run_product){
        echo "<script>alert('Product has been inserted successfully!')</script>";
        echo "<script>window.open('index.php?insert_product','_self')</script>";
    }
}
?>
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <title>Insert Products-Admin Dashboard</title>
     <!--bootstrap CSS link-->
     <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet"
integrity="sha384-QWTKZyjpPEjISv5WaRU9OFeRpok6YctnYmDr5pNlyT2bRjXh0JMhjY6hW+ALEwIH"
crossorigin="anonymous">
        <!--font awesome link-->
        <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.5.1/css/all.min.css"
integrity="sha512-
DTOQO9RWCH3ppGqcWaEA1BIZOC6xxalwEsw9c2QQeAIftl+Vegovlnee1c9QX4TctnWMn13TZye+giMm
8e2LwA==" crossorigin="anonymous" referrerpolicy="no-referrer" />
        <!--css file-->
<link rel="stylesheet" href="../style.css">



  </head>
  <body class="bg-light">
    <div class="class-container mt-3">
      <h1 class="text-center">Insert Products</h1>
      <!--form-->
      <form action="" method="post" enctype="multipart/form-data">
      <!-- title-->
      <div class="form-outline mb-4 w-50 m-auto">
           <label for="product_title" class="form-label">Product title</label>
          <input type="text" name="product_title" id="product_title" class="form-control" placeholder="Enter
product title" autocomplete="off" required="required">
          </div>
          <!--description-->
```

```
<div class="form-outline mb-4 w-50 m-auto">
  <label for="product_description" class="form-label">Product Description</label>
 <input type="text" name="product_description" id="product_description" class="form-control" placeholder="Enter product description" autocomplete="off" required="required">
</div>

<!--categories-->
<div class="form-outline mb-4 w-50 m-auto">
  <select name="product_category" id="" class="form-select">
    <option value="">Select a category</option>
    <?php
    $select_query="Select * from categories";
    $result_query=mysqli_query($con,$select_query);
    while($row=mysqli_fetch_assoc($result_query)){
      $category_title=$row['category_title'];
      $category_id=$row['category_id'];
      echo "<option value='$category_id'>$category_title</option>";
    }
    ?>

  </select>
</div>

<!--brands-->
<div class="form-outline mb-4 w-50 m-auto">
  <select name="product_brand" id="" class="form-select">
    <option value="">Select a brand</option>
    <?php
    $select_query="Select * from brands";
    $result_query=mysqli_query($con,$select_query);
    while($row=mysqli_fetch_assoc($result_query)){
      $brand_title=$row['brand_title'];
      $brand_id=$row['brand_id'];
      echo "<option value='$brand_id'>$brand_title</option>";
    }
    ?>

  </select>
```

```
        </div>


        <!--image-->
        <div class="form-outline mb-4 w-50 m-auto">
         <label for="product_image" class="form-label">Product image</label>
        <input type="file" name="product_image" id="product_image" class="form-control"
required="required">
        </div>


        <!--price-->
        <div class="form-outline mb-4 w-50 m-auto">
         <label for="product_price" class="form-label">Product price</label>
        <input type="text" name="product_price" id="product_price" class="form-control" placeholder="Enter
product price" autocomplete="off" required="required">
        </div>


        <!--description-->
        <div class="form-outline mb-4 w-50 m-auto">
         <input type="submit" name="insert_product" class="btn btn-secondary mb-3 px-3" value="Insert
Product">
        </div>


    </form>
  </div>



    </form>
  </div>


 </body>
</html>
Insert brands
<?php
include('../includes/connect.php');
if(isset($_POST['insert_brand'])){
  $brand_title=$_POST['brand_title'];
  //select data from database
  $select_query="Select * from brands where brand_title='$brand_title'";
```

```
    $result_select=mysqli_query($con,$select_query);
    $number=mysqli_num_rows( $result_select);
    if($number>0){
        echo "<script>alert('This brand is present in the database')</script>";
    }else{


    $insert_query="insert into brands (brand_title) values( '$brand_title')";
    $result=mysqli_query($con,$insert_query);
    if($result){
        echo "<script>alert('Brand has been inserted successfully')</script>";
    }
}}
?>
<h2 class="text-center">Insert Brands</h2>



<form action="" method="post" class="mb-2">
<div class="input-group w-90 mb-2">
  <span class="input-group-text"  style="background-color: linen;" id="basic-addon1"><i class="fa-solid fa-receipt"></i></span>
  <input type="text" class="form-control"name="brand_title" placeholder="Insert Brands" aria-label="Brands" aria-describedby="basic-addon1">
</div>
<div class="input-group w-10 mb-2 m-auto">
 <input type="submit" class="border-0 p-2 my-3"  style="background-color: linen;"   name="insert_brand" value="Insert Brands" aria-label="Username" aria-describedby="basic-addon1 " style="background-color: linen;">



</div>
</form>
Insert _catagories:
<?php
include('../includes/connect.php');
if(isset($_POST['insert_cat'])){
    $category_title=$_POST['cat_title'];
    //select data from database
```

```
    $select_query="Select * from categories  where category_title='$category_title'";
    $result_select=mysqli_query($con,$select_query);
    $number=mysqli_num_rows( $result_select);
    if($number>0){
        echo "<script>alert('This category is present in the database')</script>";
    }else{



    $insert_query="insert into categories (category_title) values( '$category_title')";
    $result=mysqli_query($con,$insert_query);
    if($result){
        echo "<script>alert('Category has been inserted successfully')</script>";
    }
}}
?>
<h2 class="text-center">Insert Categories</h2>



<form action="" method="post" class="mb-2">
<div class="input-group w-90 mb-2">
  <span class="input-group-text"  style="background-color: linen;" id="basic-addon1"><i class="fa-solid fa-receipt"></i></span>
  <input type="text" class="form-control"name="cat_title" placeholder="Insert Categories" aria-label="Categories" aria-describedby="basic-addon1">
</div>
<div class="input-group w-10 mb-2 m-auto">
<input type="submit" class="border-0 p-2 my-3"  style="background-color: linen;"   name="insert_cat" value="Insert Categories" aria-label="Username" aria-describedby="basic-addon1 " style="background-color: linen;">



</div>
</form>
Style text
<?php
include('../includes/connect.php');
if(isset($_POST['insert_cat'])){
    $category_title=$_POST['cat_title'];
    //select data from database
```

```
    $select_query="Select * from categories  where category_title='$category_title'";
    $result_select=mysqli_query($con,$select_query);
    $number=mysqli_num_rows( $result_select);
    if($number>0){
        echo "<script>alert('This category is present in the database')</script>";
    }else{



    $insert_query="insert into categories (category_title) values( '$category_title')";
    $result=mysqli_query($con,$insert_query);
    if($result){
        echo "<script>alert('Category has been inserted successfully')</script>";
    }
}}
?>
<h2 class="text-center">Insert Categories</h2>



<form action="" method="post" class="mb-2">
<div class="input-group w-90 mb-2">
  <span class="input-group-text"  style="background-color: linen;" id="basic-addon1"><i class="fa-solid fa-receipt"></i></span>
  <input type="text" class="form-control"name="cat_title" placeholder="Insert Categories" aria-label="Categories" aria-describedby="basic-addon1">
</div>
<div class="input-group w-10 mb-2 m-auto">
<input type="submit" class="border-0 p-2 my-3"  style="background-color: linen;"   name="insert_cat" value="Insert Categories" aria-label="Username" aria-describedby="basic-addon1 " style="background-color: linen;">
</div>
</form>
Index php admin
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8" />
  <title>Admin dashboard</title>
  <meta name="viewport" content="width=device-width,initial-scale=1" />
  <meta name="description" content="" />
```

```
 <!--bootsrtap css link-->
 <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet"
integrity="sha384-QWTKZyjpPEjISv5WaRU9OFeRpok6YctnYmDr5pNlyT2bRjXh0JMhjY6hW+ALEwIH"
crossorigin="anonymous">
  <!--font awesome-->
  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.5.1/css/all.min.css"
integrity="sha512-
DTOQO9RWCH3ppGqcWaEA1BIZOC6xxalwEsw9c2QQeAIftl+Vegovlnee1c9QX4TctnWMn13TZye+giMm
8e2LwA==" crossorigin="anonymous" referrerpolicy="no-referrer" />


 <!--css file-->
<link rel="stylesheet" href="../style.css">


</head>
<body>
    <!--navbar-->
<div class="container-fluid p-0">
    <!--first child-->
    <nav class="navbar navbar-expand-lg navbar-light" style="background-color: linen;">
  <div class="container-fluid">
<img src="https://techbullion.com/wp-content/uploads/2022/09/677t7676.jpg" class="logo">
<nav class="navbar navbar-expand-lg ">
    <ul class="navbar-nav">
      <li class="nav-item">
       <a href="" class="nav-link">Welcome patron</a>


      </li>


    </ul>
</nav>
</div>
</nav>
<!--second child-->
<div class="bg-light">
    <h3 class="text-center p2"> Admin Details</h3>
</div>
<!--third child-->
<div class="row">
    <div class="col-md-12 bg-secondary p-1 d-flex align-items-center">
```

```
    <div class="pd-3">
<a href="#" ><img src="https://logo.com/image-cdn/images/kts928pd/production/0089b7ae1ed394f041c5f7929e111c11e8eafe4d-424x421.png?w=1080&q=72" class="admin_image"></a>
<p class="text-light text-center">Admin </p>
</div>
<div class="button text-center">
    <button><a href="insert_product.php" class="nav-link text-secondary" style="background-color: linen; my-1">Insert Products</a></button>
    <!--<button><a href="" class="nav-link text-secondary" style="background-color: linen; my-1">View Products</a></button>-->
    <button><a href="index.php?insert_category" class="nav-link text-secondary" style="background-color: linen; my-1">Insert Categories</a></button>

    <button><a href="index.php?insert_brand" class="nav-link text-secondary" style="background-color: linen; my-1">Insert Brands</a></button>

</div>
</div>
</div>
<!--fourth child-->
<div class="container my-3">
    <?php
    if(isset($_GET['insert_category'])){
       include('insert_categories.php');
    }
    if(isset($_GET['insert_brand'])){
        include('insert_brands.php');
     }
    ?>
</div>
<!-- last child-->

<div class="bg-light p-2 ">
<nav class="navbar navbar-expand-lg navbar-light" style="background-color: #FAF0E6;">
    <p >
    VOUGE VENTURE - DESIGNED IN 2024</p>
</nav>
  </div>
```

```
</div>


    <!--bootsrtap js link-->
 <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js" integrity="sha384-YvpcrYf0tY3lHB60NNkmXc5s9fDVZLESaAA55NDzOxhy9GkcIdslK1eN7N6jIeHz" crossorigin="anonymous"></script>
</body>
</html>
```

Connet php

```
<?php

$con=mysqli_connect('localhost','root','','ecommerce');
if(!$con){
    die(mysqli_error($con));

}

?>
```

Checkout text

```
<!DOCTYPE html>
<html lang="en">
<head>

    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Checkout</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            background-color: #f0f0f0;
            margin: 0;
            padding: 20px;
        }
        .container {
            max-width: 600px;
            margin: 0 auto;
```

```
    background-color: #fff;
    padding: 20px;
    border-radius: 8px;
    box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
}
h2 {
    text-align: center;
    margin-top: 0;
}
form {
    margin-bottom: 20px;
}
input[type="text"],
input[type="submit"] {
    width: 100%;
    padding: 10px;
    margin-bottom: 10px;
    border: 1px solid #ccc;
    border-radius: 4px;
    box-sizing: border-box;
}
input[type="submit"] {
    background-color: #FFF8E7;
    color:  black;
    border: none;
    cursor: pointer;
}
input[type="submit"]:hover {
    background-color: #666666  ;
}
.payment-logos {
    text-align: center;
}
.payment-logo {
    width: 100px;
    margin: 10px;
}
```

```
    </style>
</head>
<body>
    <div class="container">
        <h2>Checkout</h2>
        <form method="post" action="process_payment.php">
            <input type="hidden" name="product_name" value="Your Product Name">
            <input type="hidden" name="product_price" value="100">
            <label for="card_number">Card Number</label>
            <input type="text" id="card_number" name="card_number" placeholder="Enter your card number" required>
            <label for="expiry_date">Expiry Date</label>
            <input type="text" id="expiry_date" name="expiry_date" placeholder="MM/YY" required>
            <label for="cvv">CVV</label>
            <input type="text" id="cvv" name="cvv" placeholder="CVV" required>
            <!--<input type='submit' name='buy_now' value='Buy Now' >-->
            <!-- Buttons for UPI IDs -->
           <!-- <button class="upi-button" type="button" onclick="payWithUPI('phonepe')">Cilck to Pay with PhonePe</button>
            <button class="upi-button" type="button" onclick="payWithUPI('googlepay')">Click to Pay with Google Pay</button>
            <button class="upi-button" type="button" onclick="payWithUPI('paytm')">Click to Pay with Paytm</button>-->
             <!-- Hidden fields for UPI IDs -->
             <!-- <input type="hidden" id="phonepe_upi" name="phonepe_upi">
            <input type="hidden" id="googlepay_upi" name="googlepay_upi">
            <input type="hidden" id="paytm_upi" name="paytm_upi">
            <input type='submit' name='buy_now' value='Buy Now' >-->
        </form>
        <div class="payment-logos">
            <img src="https://download.logo.wine/logo/PhonePe/PhonePe-Logo.wine.png" alt="PhonePe Logo" class="payment-logo">
            <img src="https://1000logos.net/wp-content/uploads/2023/03/Google-Pay-logo.png" alt="Google Pay Logo" class="payment-logo">
            <img src="https://cdn.freelogovectors.net/wp-content/uploads/2023/09/paytm_logo-freelogovectors.net_.png" alt="Paytm Logo" class="payment-logo">
            <input type='submit' name='buy_now' value='Buy Now' >
        </div>
    </div>
   <!-- <script>
```

```
        function payWithUPI(service) {
            // You can customize this function to handle the UPI payment process
            // For demonstration purposes, we'll just display an alert
            var upi_id = '';
            switch(service) {
                case 'phonepe':
                    upi_id = 'phonepe@upi';
                    break;
                case 'googlepay':
                    upi_id = 'googlepay@upi';
                    break;
                case 'paytm':
                    upi_id = 'paytm@upi';
                    break;
            }
            document.getElementById(service + '_upi').value = upi_id;
            alert('Swipe to Pay with ' + service.toUpperCase() + ': ' + upi_id);
        }
    </script>-->
</body>
</html>
```

CHAPTER 7

CONCLUSION

In conclusion, the development and implementation of the e-commerce DBMS project using MySQL, PHP, and JavaScript have proven to be successful in addressing the needs of our business and customers. Throughout the project lifecycle, several significant achievements and insights have been realized.

Firstly, the design and implementation of the MySQL database schema provided a solid foundation for storing and managing vast amounts of product inventory, customer information, orders, and transactions. By carefully structuring the database tables and establishing relationships between entities, we ensured data integrity, efficiency, and scalability.

Secondly, the integration of PHP and JavaScript facilitated the development of a dynamic and user-friendly e-commerce website. PHP scripts were utilized to interact with the MySQL database, enabling seamless retrieval and manipulation of data for various functionalities such as product browsing, shopping cart management, and order processing. JavaScript was leveraged to enhance the user interface and interactivity, providing features like real-time updates, form validation, and asynchronous requests.

Moreover, the project highlighted the importance of security measures in safeguarding sensitive information and preventing unauthorized access. By implementing secure coding practices, sanitizing user inputs, and utilizing encryption techniques, we mitigated potential risks such as SQL injection attacks and data breaches, ensuring the confidentiality and integrity of customer data and transactions.

In conclusion, the e-commerce DBMS project has demonstrated the effectiveness of utilizing MySQL, PHP, and JavaScript technologies in building a robust, scalable, and user-centric e-commerce platform. Moving forward, ongoing maintenance, optimization, and innovation will be essential to meet evolving business requirements and stay competitive in the dynamic e-commerce landscape.

CHAPTER 8

FUTURE SCOPE

The future scope of an e-commerce database management system (DBMS) using MySQL, PHP, and JavaScript is vast, with opportunities for further enhancement, expansion, and innovation. Here are some potential future avenues for development and improvement:

1.Advanced Personalization: Implement more sophisticated algorithms and machine learning techniques to personalize the shopping experience for users based on their preferences, browsing history, and behavior patterns. This could include personalized product recommendations, targeted marketing campaigns, and customized promotions.

2.Mobile Optimization: With the increasing popularity of mobile commerce, focus on optimizing the e-commerce website and database system for mobile devices. Develop mobile apps or responsive web designs that offer seamless browsing, shopping, and checkout experiences on smartphones and tablets.

3.Integration with Emerging Technologies: Explore integration with emerging technologies such as augmented reality (AR), virtual reality (VR), and voice assistants to enhance the shopping experience. Enable features like virtual try-on for apparel, interactive product demos, and voice-controlled shopping assistants.

4.Blockchain Integration: Investigate the potential benefits of integrating blockchain technology into the e-commerce DBMS for enhanced security, transparency, and trust in transactions. Explore use cases such as secure payment processing, supply chain management, and counterfeit prevention.

5.Expansion into New Markets: Consider expanding the e-commerce platform into new geographic markets or niche segments. Adapt the database system to support multiple languages, currencies, and local regulations, ensuring a seamless shopping experience for global customers.

6.Omni-channel Integration: Integrate the e-commerce DBMS with offline channels such as brick-and-mortar stores or pop-up shops to create an omni-channel retail experience. Enable features like buy-online-pick-up-in-store (BOPIS), in-store inventory visibility, and unified customer profiles across channels.

7.Enhanced Analytics and Insights: Invest in advanced analytics and reporting capabilities to gain deeper insights into customer behavior, market trends, and business performance. Utilize predictive analytics and data visualization techniques to identify opportunities for growth, optimize inventory management, and improve marketing strategies.

8. Artificial Intelligence (AI) and Chatbots: Leverage AI technologies and chatbots to automate customer support, sales assistance, and order fulfillment processes. Implement natural language processing (NLP) algorithms to enable conversational interfaces that can understand and respond to customer inquiries in real-time.

9.Social Commerce Integration: Explore integration with social media platforms to enable social commerce functionalities such as shoppable posts, social sharing, and influencer marketing. Leverage user-generated content and social recommendations to drive engagement and sales on the e-commerce platform.

10. Sustainability Initiatives: Incorporate sustainability initiatives into the e-commerce DBMS, such as eco-friendly product labels, carbon footprint tracking, and donation options at checkout. Partner with eco-conscious suppliers and implement green shipping practices to reduce environmental impact.

CHAPTER 9

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