TWICE

A THRIFT SHOPPING WEBSITE

A MINI PROJECT REPORT

Submitted by

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in partial fulfilment for the award of the degree

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**RAJALAKSHMI ENGINEERING COLLEGE
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BONAFIDE CERTIFICATE

Certified that this mini project "**TWICE- A THRIFT SHOPPING WEBSITE**" is the bonafide work of "**LAKSHANYA D -(220701140)**" who carried out the project work under my supervision.

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Submitted for the End semester practical examination to be held on_____

INTERNAL EXAMINER   **EXTERNAL EXAMINER**

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ABSTRACT

Twice is a modern thrift shop app designed to make sustainable fashion accessible and stylish. With a curated selection of pre-loved clothing, accessories, and more, Twice connects conscious shoppers with unique, affordable finds. The app not only promotes eco-friendly shopping habits but also provides a platform for users to give their once-loved items a second life. Whether you're looking to declutter, find a rare gem, or simply explore sustainable fashion, Twice is your go-to destination for guilt-free shopping that's both chic and environmentally friendly.

The system integrates form submissions to capture customer preferences and feedback, ensuring a personalized experience. The project is built with modern web development technologies like HTML, CSS, JavaScript, and backend integration, offering both customers a smooth and efficient interaction with the services. The goal is to create an engaging and organized platform that meets the needs of both shop owners and their clientele, enhancing the overall dining experience.

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CHAPTER 1

INTRODUCTION

1.1 INTRODUCTION

The TWICE Online Store is a platform designed to facilitate the buying and selling of secondhand, vintage, and upcycled goods. Focused on sustainability, the website provides customers with a variety of affordable, high-quality items while promoting eco-friendly shopping practices. With an easy-to-use interface, secure payments, and detailed product listings, this platform serves as an efficient space for users to browse, purchase, and sell pre-loved items.

1.2. SCOPE OF THE WORK

The scope of the thrift shop website project focuses on providing a user-friendly platform for customers seeking affordable, sustainable shopping options by purchasing pre-owned items. The website will cater to environmentally conscious consumers who prefer second-hand goods and individuals looking to sell items they no longer need. By offering easy navigation, secure transactions, and personalized user profiles, the website will enhance the customer experience. Buyers will be able to browse a wide range of categories, filter products based on their preferences, and make purchases with confidence. Sellers can upload their items with detailed descriptions and images, creating a trusted marketplace that encourages reuse and sustainable consumption.

1.3 AIM AND OBJECTIVES

The aim of Twice Online Store is to create a comprehensive, accessible, and efficient platform for the sale and purchase of secondhand goods, while promoting sustainable shopping habits and reducing environmental impact. The system seeks to integrate advanced features for seamless browsing, secure payments, and efficient order management, enhancing the overall user experience.

Objectives:

1. **Seamless Shopping Experience:** A user-friendly interface that allows customers to easily browse, filter, and purchase items from various categories, ensuring a smooth online shopping experience.

2. **Sustainability Promotion:** It is a platform that encourages eco-conscious purchasing by offering pre-owned, upcycled, and vintage items, helping reduce waste and promoting sustainability in fashion and consumer goods.

3. **Secure Transactions:** Implement robust payment gateways and ensure secure checkout processes to protect customer data and financial information.

4. **Effective Inventory and Order Management:** Create an efficient back-end system for sellers to manage inventory, track listings, and handle orders, while providing real-time updates to customers about their purchases.

5. **Community Engagement and Growth:** Build a platform that fosters a community of buyers and sellers, encouraging user-generated content, reviews, and interactions, while creating opportunities for growth through targeted marketing and partnerships.

CHAPTER 2

SYSTEM SPECIFICATIONS

2.1 HARDWARE SPECIFICATIONS

Processor :   Pentium IV Or Higher

Memory Size :   128 GB(Minimum)

HDD :   40 GB (Minimum)

2.2 SOFTWARE SPECIFICATIONS
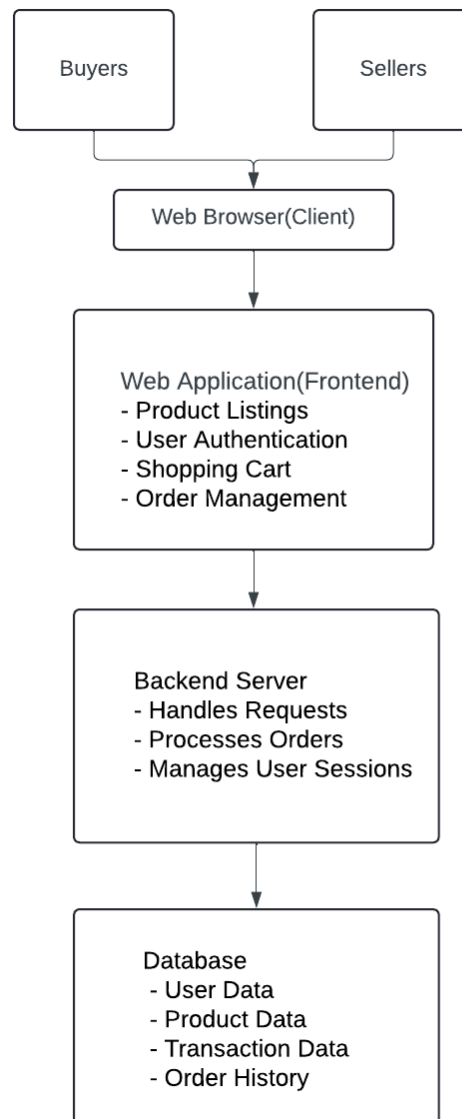
Operating System :   WINDOWS 7 AND PLUS

Front – End :   HTML, CSS, JAVASCRIPT

Back – End :   PHP, MYSQL

CHAPTER 3

ARCHITECTURE DIAGRAM

```
┌──────────┐        ┌──────────┐
│  Buyers  │        │  Sellers │
└──────────┘        └──────────┘
       │                 │
       └────────┬────────┘
                ▼
      ┌──────────────────────┐
      │  Web Browser(Client)  │
      └──────────────────────┘
                ▼
  ┌──────────────────────────────┐
  │ Web Application(Frontend)     │
  │ - Product Listings            │
  │ - User Authentication         │
  │ - Shopping Cart               │
  │ - Order Management            │
  └──────────────────────────────┘
                ▼
  ┌──────────────────────────────┐
  │ Backend Server                │
  │ - Handles Requests            │
  │ - Processes Orders            │
  │ - Manages User Sessions       │
  └──────────────────────────────┘
                ▼
  ┌──────────────────────────────┐
  │ Database                      │
  │  - User Data                  │
  │  - Product Data               │
  │  - Transaction Data           │
  │  - Order History              │
  └──────────────────────────────┘
```

CHAPTER 4

MODULE DESCRIPTION

4.1. Homepage Module

Displays an overview of the website with navigation to product categories (Men, Women, Fashion). Contains a slideshow of featured products and links to login, signup, and the cart. Provides the main entry point to the website.

4.2 Men's Collection Module

Dynamically displays men's products fetched from the database in card format with images, prices, and "Add to Cart" buttons. Integrates with the backend for adding products to the cart. Users can view all available men's fashion items.

4.3 Women's Collection Module

Displays women's products in the same card layout as the men's section, fetched dynamically from the database. Users can add products to the cart and view pricing and details for each item. Integrated with the backend for cart functionality.

4.4 Fashion Collection Module

Features various fashion items (accessories, footwear, etc.) with a card display similar to the men and women's collections. Dynamically retrieves products from the database. Allows users to add products to the cart for purchase.

4.5 Login Module

Provides a login form for users to authenticate using their credentials. On successful login, users are redirected to their account or previous page. Validates input and checks against the database for user credentials.

4.6 Signup Module

A signup form that allows new users to create an account by entering their details. Stores user data in the database after validation. Provides user feedback in case of errors (e.g., missing fields or duplicate accounts).

4.7 Cart Module

Displays items the user has added to their cart, retrieved from the database. Users can review their selected products, modify quantities, or proceed to checkout. Includes backend integration for managing the cart session and database updates.
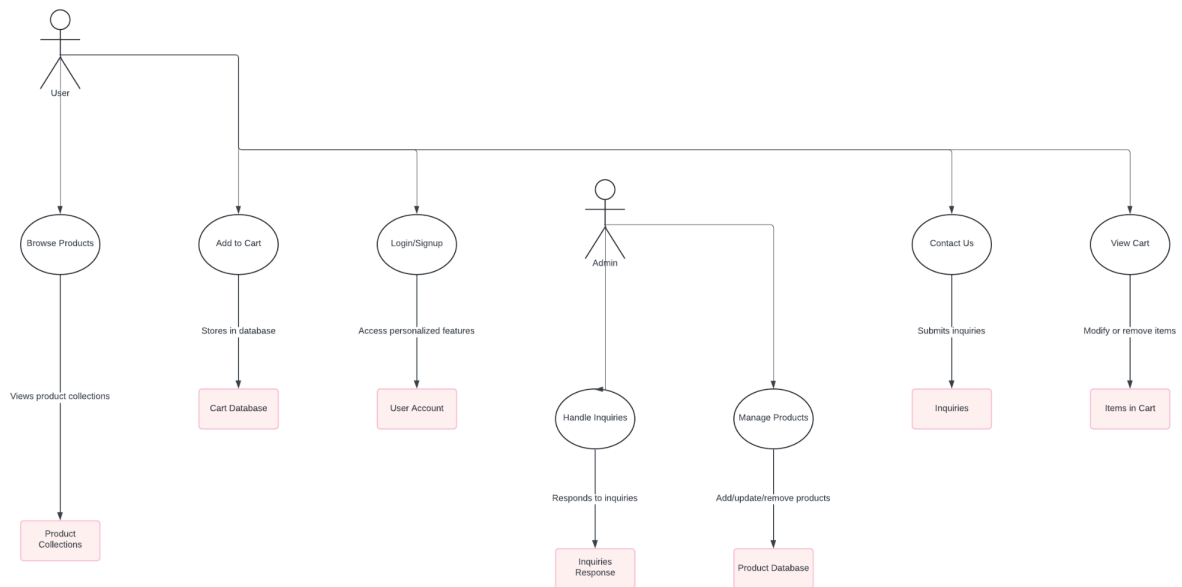
4.8 Contact Us Module

A form where users can submit queries or feedback about the website. Sends data to the backend for processing and stores messages or sends them via email (if configured). Provides a way for users to reach out for support.
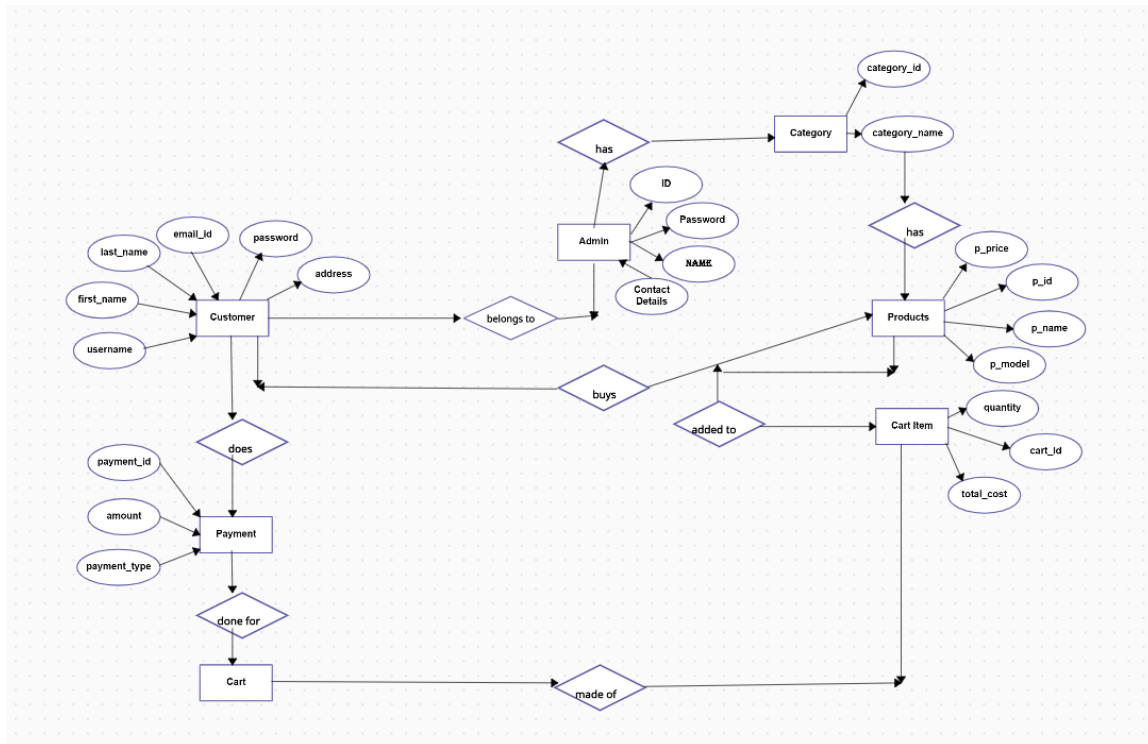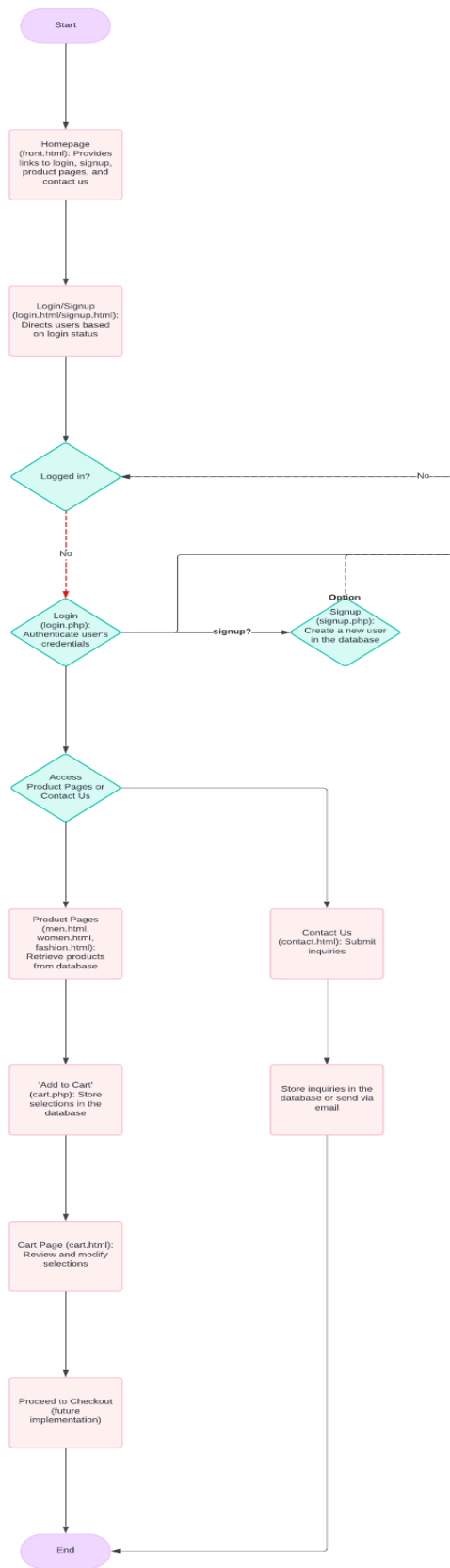
CHAPTER 5

SYSTEM DESIGN

5.1 USE CASE DIAGRAM

5.2. ER DIAGRAM

5.3 WORKFLOW DIAGRAM

Start

Homepage
(front.html): Provides
links to login, signup,
product pages, and
contact us

Login/Signup
(login.html/signup.html):
Directs users based
on login status

Logged in? — No

No

Login
(login.php):
Authenticate user's
credentials

signup?

Option
Signup
(signup.php):
Create a new user
in the database

Access
Product Pages or
Contact Us

Product Pages
(men.html,
women.html,
fashion.html):
Retrieve products
from database

Contact Us
(contact.html): Submit
inquiries

'Add to Cart'
(cart.php): Store
selections in the
database

Store inquiries in the
database or send via
email

Cart Page (cart.html):
Review and modify
selections

Proceed to Checkout
(future
implementation)

End

CHAPTER 6

SAMPLE CODING

Homepage.html

```html
<!DOCTYPE html>

<html lang="en">

<head>

 <meta charset="UTF-8">

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

 <title>Thrift Shop</title>

  <link  href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/css/bootstrap.min.css" rel="stylesheet">

 <link rel="stylesheet" href="style.css">

</head>

<body>

 <!-- Navbar -->


 <nav class="navbar navbar-expand-lg navbar-light bg-light sticky-top">

  <div class="container-fluid" id="navy">

   <a class="navbar-brand" href="front.html">Thrift Shop</a>

            <button    class="navbar-toggler"    type="button"    data-bs-toggle="collapse" data-bs-target="#navbarNav"

    aria-controls="navbarNav" aria-expanded="false" aria-label="Toggle navigation">

    <span class="navbar-toggler-icon"></span>

   </button>
```

```html
<div class="collapse navbar-collapse" id="navbarNav">

  <ul class="navbar-nav ms-auto">

    <li class="nav-item dropdown">

      <a class="nav-link dropdown-toggle" href="#" id="navbarDropdown" role="button" data-bs-toggle="dropdown" aria-expanded="false">

        Browse

      </a>

      <ul class="dropdown-menu" aria-labelledby="navbarDropdown">

        <li><a class="dropdown-item" href="men.html">Men</a></li>

        <li><a class="dropdown-item" href="women.html">Women</a></li>

        <li><a class="dropdown-item" href="fashion.html">Fashion</a></li>

      </ul>

    </li>


    <li class="nav-item">

      <a class="nav-link" href="about.html">About Us</a>

    </li>

    <li class="nav-item">

      <a class="nav-link" href="contact.html">Contact</a>

    </li>

    <li class="nav-item">

      <a class="nav-link" href="cart.html">Cart</a>

    </li>

    <li class="nav-item">
```

```
          <a class="nav-link" href="login.html">Login</a>

        </li>

      </ul>

    </div>

  </div>

</nav>

<!-- Hero Section -->

<div class="hero">

  <div class="container">


    <h1 class="hero-title">Discover Unique Thrifted Treasures</h1>

    <p class="hero-subtitle">Shop vintage, second-hand, and eco-friendly finds!</p>

    <a href="#" class="btn btn-primary hero-btn">Shop Now</a>

  </div>

</div>

<!-- Featured Collections -->

<section class="collections">

  <div class="container">

    <h2 class="section-title">Featured Collections</h2>

    <div class="row text-center">

      <div class="col-lg-4 col-md-6 mb-4">

        <div class="card">

          <img src="carpet.jpg" class="card-img-top" alt="Kashmiri Carpet">

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

```html
      <h5 class="card-title">Vintage Clothes</h5>

      <a href="#" class="btn btn-outline-primary">Shop Now</a>

    </div>

  </div>

</div>

<div class="col-lg-4 col-md-6 mb-4">

  <div class="card">

    <img src="vases.jpg" class="card-img-top" alt="Furniture">

    <div class="card-body">

      <h5 class="card-title">Furniture</h5>

      <a href="#" class="btn btn-outline-primary">Shop Now</a>

    </div>

  </div>

</div>

<div class="col-lg-4 col-md-6 mb-4">

  <div class="card">

    <img src="hat.jpg" class="card-img-top" alt="Accessories">

    <div class="card-body">

      <h5 class="card-title">Accessories</h5>

      <a href="fashion.html" class="btn btn-outline-primary">Shop Now</a>

    </div>

  </div>

</div>

</div>
```

</div>

  </section>

  <!-- Footer -->

  <footer class="text-center p-4">

    <p>© 2024 Thrift Shop. All rights reserved.</p>

  </footer>

                                                                                    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/js/bootstrap.bundle.min.js"></s
cript>

</body>

</html>

Login.html

<!DOCTYPE html>

<html lang="en">

<head>

 <meta charset="UTF-8">

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

 <title>Login - Thrift Shop</title>

   <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/css/bootstrap.min.css"
rel="stylesheet">

 <link rel="stylesheet" href="style.css">

</head>

```html
<body>

  <!-- Navbar -->

  <nav class="navbar navbar-expand-lg navbar-light bg-light sticky-top">

    <div class="container-fluid" id="navy">

      <a class="navbar-brand" href="front.html">Thrift Shop</a>

      <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarNav"

        aria-controls="navbarNav" aria-expanded="false" aria-label="Toggle navigation">

        <span class="navbar-toggler-icon"></span>

      </button>

      <div class="collapse navbar-collapse" id="navbarNav">

        <ul class="navbar-nav ms-auto">

          <li class="nav-item">

            <a class="nav-link" href="about.html">About Us</a>

          </li>

          <li class="nav-item">

            <a class="nav-link" href="contact.html">Contact</a>

          </li>

          <li class="nav-item">

            <a class="nav-link" href="login.html">Login</a>

          </li>
```

```
      </ul>

    </div>

  </div>

</nav>

<!-- Login Form -->

<div class="container mt-5">

  <h2 class="text-center mb-4">Login to Your Account</h2>

  <div class="row justify-content-center">

    <div class="col-md-6">

      <!-- Updated form with "onsubmit" event -->

      <form onsubmit="login(event)">

        <div class="mb-3">

          <label for="email" class="form-label">Email</label>

            <input type="email" class="form-control" id="email" name="email" placeholder
="Enter your email" required>

        </div>

        <div class="mb-3">

          <label for="password" class="form-label">Password</label>

            <input type="password" class="form-control" id="password" name="password"
placeholder="Enter your password" required>

        </div>
```

```html
    <button type="submit" class="btn btn-primary w-100" onclick= "window.href='front.html"
> Login</button>

    </form>

        <p class="text-center mt-3">Don't have an account? <a href="signup.html">Sign
Up</a></p>

    </div>

    </div>

</div>

<!-- JavaScript to handle login via Fetch API -->

<script>

  function login(event) {

    event.preventDefault(); // Prevent form from submitting the traditional way

    const email = document.getElementById('email').value;

    const password = document.getElementById('password').value;

    fetch('login.php', {

     method: 'POST',

     headers: {

      'Content-Type': 'application/x-www-form-urlencoded',

     },

    })

      .then(response => response.json())
```

```
    .then(data => {

     if (data.status === 'success') {

       alert(data.message); // Show success message

       window.location.href = 'front.html'; // Redirect after successful login

     } else {

       alert(data.message); // Show error message in case of failed login

     }

    })

    .catch(error => {

     console.error('Error:', error);

     alert('An error occurred. Please try again.');

    });

  }

 </script>

 <footer class="text-center p-4 mt-5">

   <p>&copy; 2024 Thrift Shop. All rights reserved.</p>

 </footer>

<script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/js/bootstrap.bundle.min.js"></s
cript>

</body>
```

</html>

Men.html

<!DOCTYPE html>

<html lang="en">

<head>

 <meta charset="UTF-8">

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

 <title>Men's Collection</title>

  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/css/bootstrap.min.css" rel="stylesheet">

 <link rel="stylesheet" href="style.css">

</head>

<body>

 <!-- Navbar (unchanged) -->

<!-- Navbar -->

<nav class="navbar navbar-expand-lg navbar-light bg-light sticky-top">

 <div class="container-fluid" id="navy">

  Thrift Shop

      <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarNav"

   aria-controls="navbarNav" aria-expanded="false" aria-label="Toggle navigation">


```html
    </button>

  <div class="collapse navbar-collapse" id="navbarNav">

    <ul class="navbar-nav ms-auto">

      <li class="nav-item dropdown">

        <a class="nav-link dropdown-toggle" href="#" id="navbarDropdown" role="button"
data-bs-toggle="dropdown"

          aria-expanded="false">

          Browse

        </a>

        <ul class="dropdown-menu" aria-labelledby="navbarDropdown">

          <li><a class="dropdown-item" href="men.html">Men</a></li>

          <li><a class="dropdown-item" href="women.html">Women</a></li>

          <li><a class="dropdown-item" href="fashion.html">Fashion</a></li>

        </ul>

      </li>

      <li class="nav-item">

        <a class="nav-link" href="about.html">About Us</a>

      </li>

      <li class="nav-item">

        <a class="nav-link" href="contact.html">Contact</a>

      </li>

      <li class="nav-item">
```

```html
      <a class="nav-link" href="cart.html">Cart</a>

    </li>

    <li class="nav-item">

      <a class="nav-link" href="login.html">Login</a>

    </li>

  </ul>

 </div>

</nav>

<!-- Men's Collection Section -->

<section class="collections">

  <div class="container">

    <h2 class="section-title text-center">Men's Collection</h2>

    <div class="row">

      <div class="col-lg-4 col-md-6 mb-4">

        <div class="card">

          <img src="blazer.jpg" class="card-img-top" alt="Men's Blazer">

          <div class="card-body">

            <h5 class="card-title">Casual Blazer</h5>

            <p class="card-text">₹699</p>

              <button class="btn btn-outline-primary" onclick="addToCart('Casual Blazer', 699,
'blazer.jpg')">Add to Cart</button>

          </div>
```
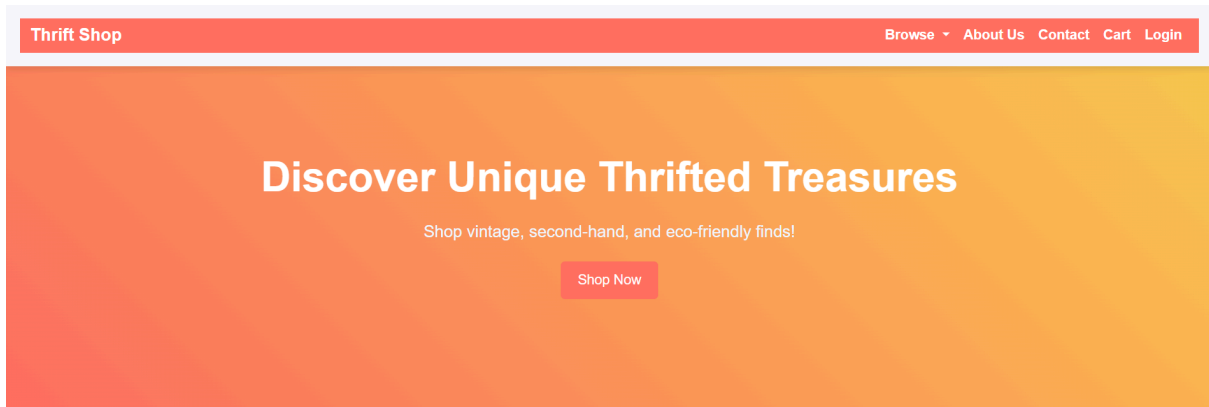
```html
        </div>

      </div>

      <div class="col-lg-4 col-md-6 mb-4">

        <div class="card">

          <img src="tee.jpg" class="card-img-top" alt="Men's T-shirt">

          <div class="card-body">

            <h5 class="card-title">Graphic T-shirt</h5>

            <p class="card-text">₹499</p>

            <button class="btn btn-outline-primary" onclick="addToCart('Graphic T-shirt', 499, 'tee.jpg')">Add to Cart</button>

          </div>

        </div>

      </div>

      <div class="col-lg-4 col-md-6 mb-4">

        <div class="card">

          <img src="jean.png" class="card-img-top" alt="Men's Jeans">

          <div class="card-body">

            <h5 class="card-title">Denim Jeans</h5>

            <p class="card-text">₹799</p>

            <button class="btn btn-outline-primary" onclick="addToCart('Denim Jeans', 799, 'jean.png')">Add to Cart</button>

          </div>
```
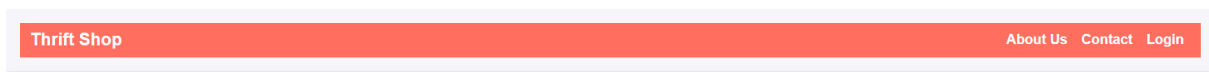
</div>

    </div>

  </section>

  <!-- Footer (unchanged) -->

<script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/js/bootstrap.bundle.min.js"></script>

 <script>

   function addToCart(name, price, image) {

     // Get existing cart items from localStorage or initialize an empty array

     let cartItems = JSON.parse(localStorage.getItem('cartItems')) || [];

     // Add new item to cart

     cartItems.push({ name, price, image });

     localStorage.setItem('cartItems', JSON.stringify(cartItems))

     window.location.href = 'cart.html';

   }

 </script>

</body>

</html>

CHAPTER 7

SCREEN SHOTS

7.1 Home Page

7.2 Signup Page

Browse ▾   About Us   Contact   Cart   Login

Men's Collection

Casual Blazer

₹699

Add to Cart

Graphic T-shirt

₹499

Add to Cart

Denim Jeans

₹799

Add to Cart

7.3 Men's Collection Page

Twice

Browse ▾   About Us   Contact   Cart   Login

Fashion Collection

Stylish Scarf

₹299

Add to Cart

Sunglasses

₹499

Add to Cart

Leather Belt

₹599

Add to Cart

7.4 Fashion Collection Page

Fig 7.5 Contact Page

Fig 7.5 About Page

CHAPTER 8

CONCLUSION

The "Twice" thrift shop website project redefines the online shopping experience for secondhand goods, utilizing modern web technologies to create a user-friendly and engaging platform for both buyers and sellers. By integrating key features such as the homepage, product pages categorized by gender and fashion, signup/login functionality, a dynamic cart system, and a secure checkout process, the website caters to the diverse needs of the thrift shopping community.

Shoppers can easily browse through curated categories, view detailed product listings, and seamlessly add items to their personalized cart. The cart functionality ensures that each user's selections are saved independently, enhancing the convenience of shopping and ensuring a tailored experience. The use of interactive design elements, such as animations and a visually appealing color palette, fosters a welcoming and enjoyable environment for customers.

The "Twice" platform has the potential to grow further, with possibilities such as integrating secure payment options, incorporating customer reviews, and enabling a community-driven marketplace. With a strong foundation built on user-centric design and seamless functionality, "Twice" sets the stage for a transformative thrift shopping experience. It aims not only to meet the needs of today's conscious consumers but also to create lasting connections in the sustainable fashion community, ensuring the platform's success and impact for years to come.

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2   An Analysis on Scope of Thrift Shopping Among Gen-Z Sunitha B K , Dr. Roopa K V , Neha Prasad , Nishant Raj Choudhary , Nabeel Irshad

3   Role Of Thrift Stores In Promoting Green Consumerism, A Study On Consumer Purchase Intention In Dimapur, Nagaland'' L. Shiihrani , Dikshya Saikia M.Com, The Assam Royal Global University,

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