

**Stylika - Personalized Fashion Shopping
with Seasonal Color Analysis Filter**

A MINI PROJECT REPORT

Submitted by

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An AUTONOMOUS Institution
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RAJALAKSHMI ENGINEERING COLLEGE

AUTONOMOUS, CHENNAI

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BONAFIDE CERTIFICATE

Certified that this mini project “**Stylika-Personalized Fashion Shopping with Seasonal Color Analysis Filter**” is the bonafide work of “**KRISHNAVARTHINI K H(2116220701136)**” who carried out the project work under my supervision.

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INTERNAL EXAMINER

EXTERNAL EXAMINER

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Krishnavarthini K H (2116220701136)

ABSTRACT

In our latest feature, we've introduced a unique online shopping filter that revolutionizes the way customers select clothing, jewelry, and makeup by allowing them to shop according to their seasonal color palette—spring, summer, autumn, or winter. This innovative tool offers users the chance to refine their search for products that enhance their natural beauty, creating a truly personalized shopping experience. By simply choosing their seasonal profile, customers can quickly find items that harmonize with their skin tone, hair color, and individual style.

The Seasonal Color Analysis filter categorizes products into palettes that reflect the colors of each season. For example, spring and summer palettes might include lighter, brighter hues, while autumn and winter palettes offer richer, deeper shades. This thoughtful organization allows customers to browse confidently, knowing that each item has been curated to bring out the best in their unique aesthetic. Whether searching for the perfect dress, jewelry, or makeup, this feature lets users explore products that align with the principles of color theory, making it easier to find pieces that feel perfectly tailored to them.

With these seasonal palettes, shoppers can save time and avoid the guesswork of choosing products that flatter their natural look. The filter enhances convenience, ensuring customers feel confident in their purchases and have a more enjoyable, satisfying shopping experience. Embrace the ease and elegance of color-based shopping and unlock the full potential of your style with items that truly match you.

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CHAPTER 1

INTRODUCTION

1.1. INTRODUCTION

In today's fast-paced world, finding fashion and beauty products that truly complement individual style can be a challenge. To make this easier, we are introducing a cutting-edge online shopping filter based on color analysis. This unique feature allows customers to effortlessly browse clothing, jewelry, and makeup tailored to their seasonal color profile—whether it's spring, summer, autumn, or winter. By refining searches to match colors that enhance natural beauty, users can enjoy a more personalized and confident shopping experience. This innovative approach incorporates color theory, helping shoppers choose items that harmonize with their skin tone, hair color, and overall aesthetic, ensuring they always find the perfect match for their style.

1.2. SCOPE OF WORK

The **Personalized Fashion Shopping with Seasonal Color Analysis Filter** project aims to enhance the online shopping experience by integrating a sophisticated color-based filtering system. This initiative will categorize products, including clothing, jewelry, and makeup, into four seasonal palettes: spring, summer, autumn, and winter. Each item will be tagged with colors that enhance the shopper's natural features, such as their skin tone, hair color, and eye color. To facilitate personalized recommendations, users will participate in a color analysis quiz that aligns with their seasonal color profiles, making it easier for them to find items that complement their unique aesthetics. Additionally, the platform will incorporate engaging visual elements, including color-coded guides and instructional videos, to enrich customer interaction and satisfaction. By providing a curated shopping journey tailored to individual color profiles, the project seeks to boost user confidence in their choices while promoting style and convenience. Ultimately, this initiative aims to revolutionize the way customers shop online, ensuring a more personalized and enjoyable experience.

1.3 AIM AND OBJECTIVES

The aim of the **Personalized Fashion Shopping with Seasonal Color Analysis Filter** project is to revolutionize the online shopping experience by providing customers with a tailored approach to selecting clothing, jewelry, and makeup. By integrating a seasonal color analysis filter, the project seeks to enhance customer satisfaction and confidence in their purchasing decisions, ultimately fostering a deeper connection between users and their personal style.

Objectives:

1. **Implement Seasonal Color Filters:** Develop a sophisticated filtering system that categorizes products into four seasonal palettes—spring, summer, autumn, and winter—enabling users to search based on colors that enhance their natural features.
2. **Support Confident Decision-Making:** Provide users with the tools and information necessary to make informed choices about their purchases, ensuring they select items that harmonize with their skin tone, hair color, and eye color.
3. **Facilitate Seamless Navigation:** Design an intuitive user interface that allows for easy navigation and filtering of products, making it simple for customers to find their ideal items.
4. **Expand Future Capabilities:** Lay the groundwork for potential future enhancements, including the integration of AI-driven recommendations based on user preferences and shopping history, to further personalize the shopping experience.

CHAPTER 2

SYSTEM SPECIFICATIONS

2.1. HARDWARE SPECIFICATIONS

Processor: Intel Core i5 or higher

RAM: 8 GB or higher

Storage: 256 GB SSD or higher

2.2. SOFTWARE SPECIFICATIONS

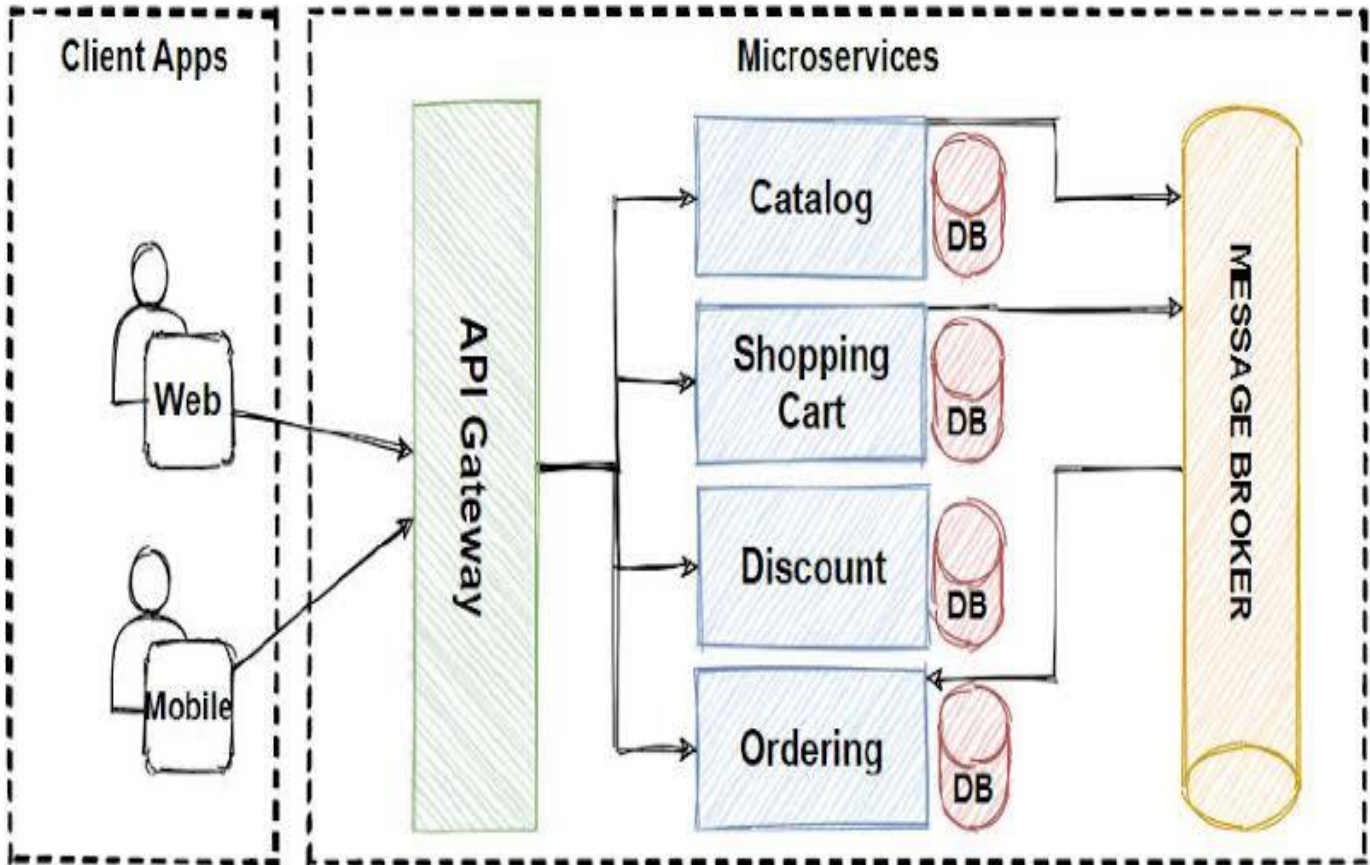
Operating System: Windows 10 / macOS / Linux

Front End: HTML, CSS, Javascript

Back End: PHP, MySQL

CHAPTER 3

ARCHITECTURE DIAGRAM



CHAPTER 4

MODULE DESCRIPTION

4.1. Login Module

Description: This module enables users to log in to their accounts using their email and password. It ensures secure access to personalized features and shopping history. Users can also reset their passwords if needed.

4.2. Seasonal Color Analysis Product Module

Description: This module showcases products categorized based on seasonal color analysis—spring, summer, autumn, and winter. Users can view clothing, jewelry, and makeup items that complement their seasonal color profiles, ensuring they find products that enhance their natural beauty.

4.3. Product Filtering Module

Description: This module allows users to filter products based on various criteria, including:

- **Type:** Dress, jewelry, makeup, etc.
- **Metal Type:** For jewelry items (e.g., gold, silver, platinum).
- **Color:** To select specific colors within the seasonal palettes.
- **Price:** To set a budget range for product searches. This feature enhances the shopping experience by enabling users to quickly find items that meet their preferences.

4.4. Add to Cart Module

Description: This essential module allows users to add selected products to their shopping cart. It provides a summary of items in the cart, enabling users to review their choices before proceeding to checkout.

4.5. Billing Module

Description: This module facilitates the billing process for users. It allows users to:

- **Save the Bill:** Users can save a digital copy of their bill for future reference.
- **Print the Bill:** Users can print a physical copy of their bill if needed.
- **Send Bill via Email:** Users have the option to send their bill directly to their email address for easy access and record-keeping.

4.6. Wishlist Module

Description: This module allows users to save products they are interested in for future purchase. Users can add items to their wishlist from the product pages, view their saved items in a separate section, and easily move items from their wishlist to the shopping cart. This feature helps users track their favorite products and enhances the shopping experience.

4.7. Order Tracking Module

Description: This module provides users with the ability to track their orders post-purchase. Users can view the status of their orders, including confirmation, dispatch, and delivery updates, within their account. This module improves transparency and customer satisfaction by keeping users informed about their order progress.

4.8. Product Review & Rating Module

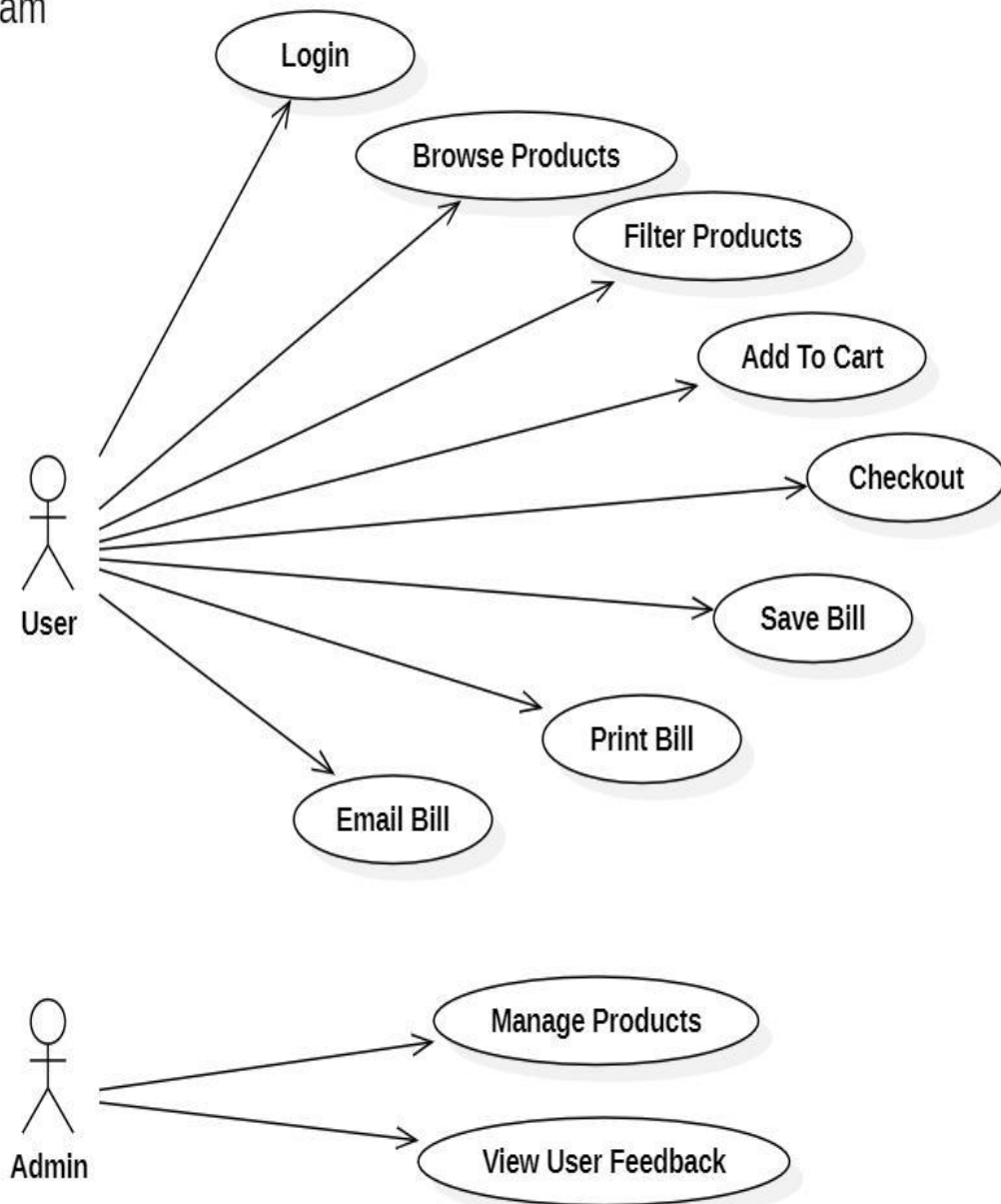
Description: This module allows users to leave reviews and rate products they have purchased. Users can view ratings and reviews from others to help make informed shopping decisions. It also enables sorting of products by ratings, making it easier to find highly rated items. This feature promotes user engagement and builds trust in the products offered.

CHAPTER 5

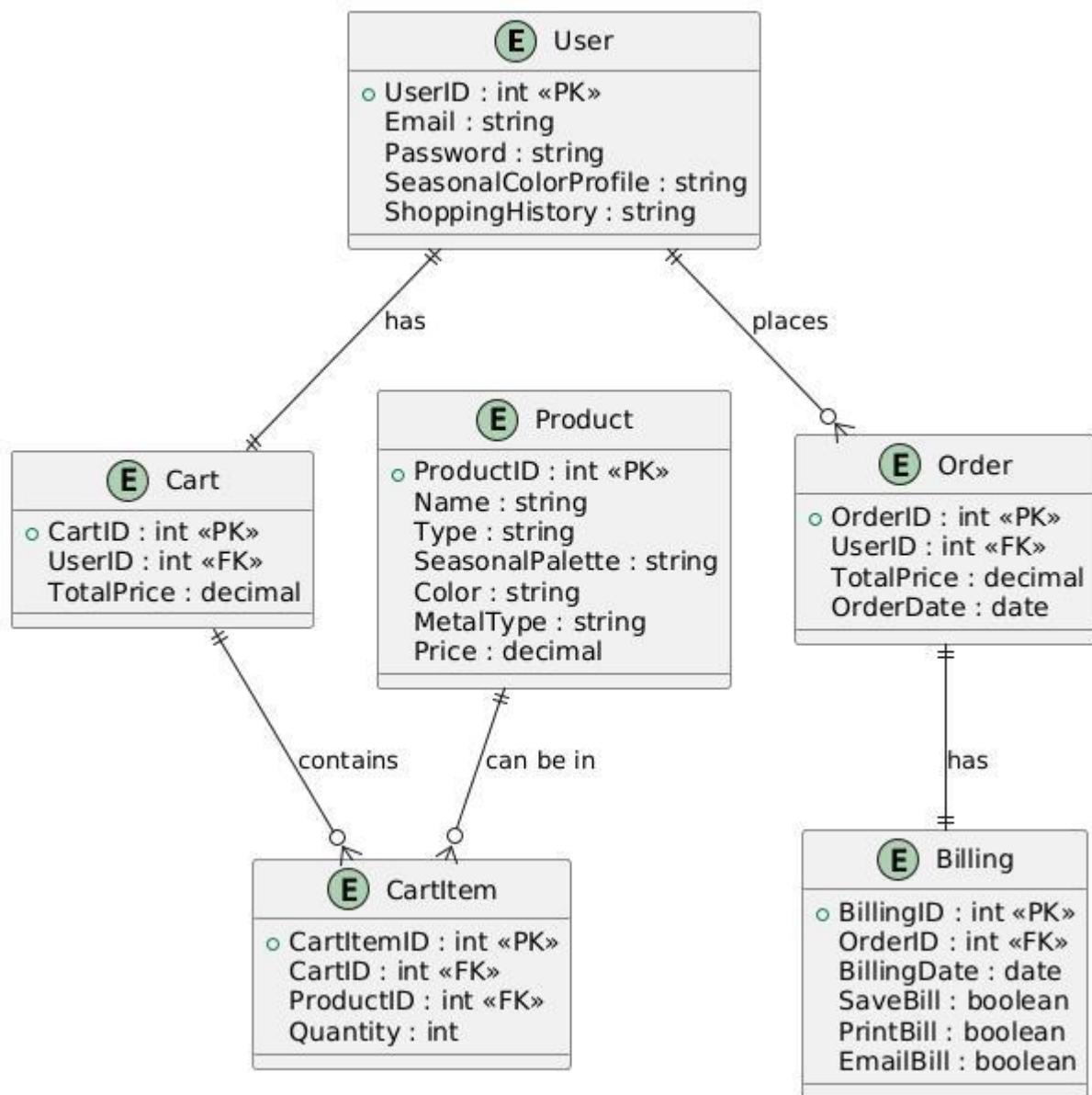
DIAGRAMS

5.1. USE CASE DIAGRAM

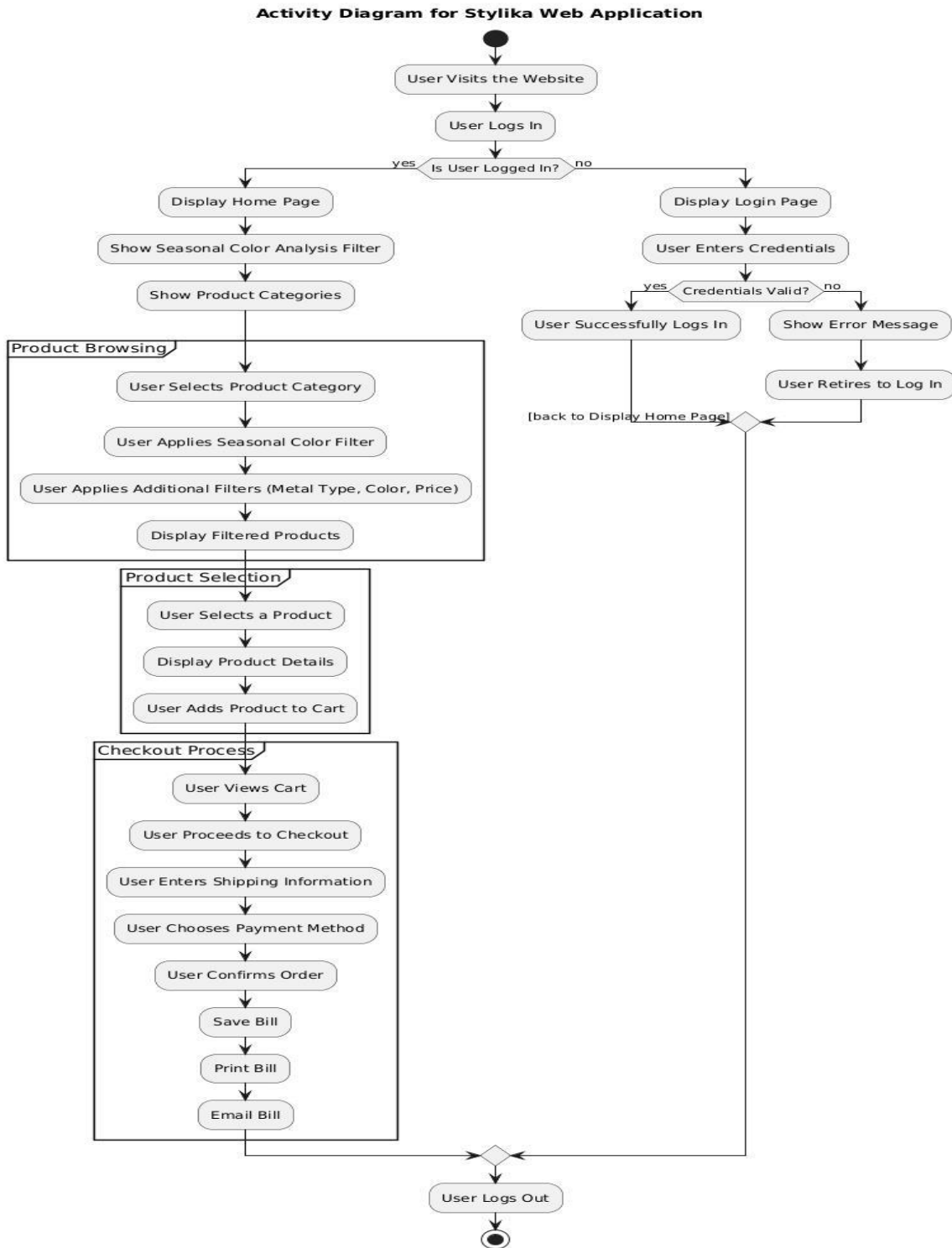
Stylika: Personalized Fashion shopping With Seasonal Color Analysis Use Case Diagram



5.2. ER DIAGRAM



5.3. DATA FLOW DIAGRAM



CHAPTER 6

INDEX CODING

6.1. INDEX.HTML

```
<?php
include 'config.php';

?>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>websitestylika</title>
  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-
awesome.min.css">
  <link rel="icon" type="image/x-icon" href="title.png">
  <link rel="stylesheet" href="styles.css">
  <script src="script.js"></script>

</head>
<body>

<!-- Navigation Bar -->
<header>
  <nav>
    <ul>

      <!-- Logo -->
      <li></li>
      <!-- Search Bar -->
      <li><input type="search" placeholder="Search..." id="mySearch"></li>
      <li><a href="#home">Home</a></li>
      <li class="dropdown">
        <a href="analysis.html" class="dropbtn">Analysis</a>
        <div class="dropdown-content">

          <a href="#analysisvideo">Youtube</a>
          <a href="#analysis">Website</a>

        </div>
      </li>
      <li class="dropdown">
        <a href="#products" class="dropbtn">Product</a>
        <div class="dropdown-content">
          <a href="#categories">Categories</a>
```



```

        <a href="winterproduct.html">Winter</a>
        <a href="summerproduct.html">Summer</a>
        <a href="autumnproduct.html">Autumn</a>
        <a href="springproduct.html">Spring</a>
    </div>
</li>

<li><a href="#offer">Offer</a></li>
<li class="dropdown">
    <a href="#about" class="dropbtn">About</a>
    <div class="dropdown-content">
        <a href="#about">Name</a>
        <a href="#about">Logo</a>
        <a href="#aboutss">Special</a>
        <a href="#aboutss">Uses</a>
    </div>
</li>
<li><a href="#contact">Contact</a></li>

<li><a href="carting.html"><i class="fa fa-shopping-cart" style="font-size:24px"></i></a></li>
<!-- <li><button class="login-btn">Login</button></li> -->
<li><a href="http://localhost/regis.php" class="login-btn">Login</a></li>
<!-- <li><button class="login-btn">login<a href="login.html"></a></button></li> -->

</ul>
</nav>
</header>

<!-- Sections to scroll to -->
<section id="home">
    <div class="video-wrapper">
        <video autoplay muted loop id="bg-video">
            <source src="background-video.mp4" type="video/mp4">
            Your browser does not support the video tag.
        </video>
        <div class="offer-details">
            <h1>Exclusive Offers</h1>
            <p>Shop Now and Get 50% Off on Selected Items</p>
            <!-- <button>Shop Now</button> -->
            <a href="#offer" class="shop-btn">Shop Now</a>
        </div>
    </div>
</section>
<br>

<section id="analysis">
    <!-- Analysis content here -->

    <section id="content-split" class="split-section">
        <div class="left-content">
            <h1>what is colour analysis?</h1>
            <p>Color analysis is the process of determining which colors best suit an individual's natural features, such as <b>skin tone, eye, and hair color</b> to enhance their overall appearance. It is often used in fashion, makeup, and design to identify complementary color palettes.</p>

```

```

        <br>
        
        <br>
        <br>
        <br><br>
        <hr id="analysisvideo">
        <br>
        <h3>Watch the video to learn more:</h3>
        <iframe width="560" height="315"
src="https://www.youtube.com/embed/C3ZjNSQvOuU?si=OeLXWFLZC0FXKJRd" title="YouTube video
player" frameborder="0" allow="accelerometer; autoplay; clipboard-write; encrypted-media; gyroscope;
picture-in-picture; web-share" referrerpolicy="strict-origin-when-cross-origin" allowfullscreen></iframe>
    </div>
    <div class="right-content">
        <h2>Try Your colour analysis!</h2>
        <h2>Find Your season here</h2>
        <div style="width: 600px; height: 400px; border: 1px solid black;">
            <iframe src="https://colorwise.me/" style="width: 100%; height: 210%; border: none;"></iframe>
        </div>

    </div>
</section>
</section>
<br>
<hr><br>

<!-- Products categories (Updated) -->
<section id="categories" class="product-section">
    <br>
    <h2>Products Categories</h2>
    <div class="container">
        <div class="items" onclick="window.location.href='winterproduct.html'">
            
            <h1>dress</h1>
            <!-- <input type="submit" value="Buy Now"> -->
        </div>
        <div class="items" onclick="window.location.href='winterproduct.html'">
            
            <h1>jewelry</h1>
            <!-- <input type="submit" value="Buy Now"> -->
        </div>
        <div class="items" onclick="window.location.href='winterproduct.html'">
            
            <h1>makeup</h1>
            <!-- <input type="submit" value="Buy Now"> -->
        </div>
    </div>
</section>
<!-- Products Section (Updated) -->
<section id="products" class="product-section">
    <!-- <br> -->
    <h2>Seasonal Products</h2>
    <div class="container">

```

```

<div class="items" onclick="window.location.href='winterproduct.html'">
  
  <h1>Winter</h1>
  <input type="submit" value="Buy Now" id="shadow">
</div>
<div class="items" onclick="window.location.href='summerproduct.html'">
  
  <h1>Summer</h1>
  <input type="submit" value="Buy Now">
</div>
<div class="items" onclick="window.location.href='autumnproduct.html'">
  
  <h1>Autumn</h1>
  <input type="submit" value="Buy Now">
</div>
<div class="items" onclick="window.location.href='springproduct.html'">
  
  <h1>Spring</h1>
  <input type="submit" value="Buy Now">
</div>
</div>
</section>
<br>
<br>
<br>
<br>
<hr>
<br>

<h1 id="offer"></h1>
<br><br><br><br>
<center><h1>Click the Button To Check <b style="color:#f17203">Offer</b></h1>
<button id="offerButton">Check Offers</button></center>

<!-- Offer Section -->
<section id="offerSection">
  <!-- <br><br> -->
  <h2>Special Offers</h2>
  <br>
  <div class="slider"><br><br>
    <div class="slides">
      <div class="slide">
        
        <center><button class="buyNowBtn" onclick="window.location.href='producting.html'">Buy
Now</button></center>
      </div>
      <div class="slide">
        
        <center><button class="buyNowBtn" onclick="window.location.href='producting.html'">Buy
Now</button></center>
      </div>
      <div class="slide">
        

```

```

        <center><button class="buyNowBtn" onclick="window.location.href='producting.html'">Buy
Now</button></center>
    </div>
    <div class="slide">
        
        <center><button class="buyNowBtn" onclick="window.location.href='producting.html'">Buy
Now</button></center>
    </div>
</div>
</div>
</div>
</section>
<section id="about">
    <!-- About content here -->
    <!-- <h2><i> </i></h2> -->
    <br><br><br><br>
    <center><h1>Stylika</h1></center>
    <h1>Explanation:</h1>
    <p>The name <b>"Stylika"</b> evokes a sense of style and elegance, which aligns well with the theme
of the online shopping platform that emphasizes color analysis. It suggests a modern, fashionable, and
personalized shopping experience, where customers can refine their selections based on what complements
their unique color profile. The <b>"Styl"</b> part immediately conveys <b>fashion</b>, while the
<b>"ika"</b> suffix adds a sense of sophistication and <b>uniqueness</b>, making the brand feel both
accessible and trendy. The name works well for a platform focused on helping users enhance their natural
beauty through carefully curated products.</p>
    <center></center><br><br><br><br><br>
    <h2><i>Speciality Of This Website:</i></h2>
    <p>Introducing a new online shopping(<b style="color:#f17203;">Stylika</b>) filter based on
<b>color analysis!</b> Customers can now effortlessly <b>select <i style="color:#f17203;">clothing,
jewelry, and makeup by their seasonal color</i></b> profile—<b><i style="color:#f17203;">spring,
summer, autumn, or winter</i></b>. This innovative feature allows users to refine their searches according
to colors that <b style="color:#f17203;">enhance their natural beauty, ensuring a more personalized
shopping experience</b>. By filtering products through these seasonal palettes, shoppers can confidently
choose items that harmonize with their skin tone, hair color, and overall aesthetic. Embrace <b>the
convenience of finding the perfect match for your style,</b> all while enjoying the benefits of color theory in
fashion and beauty!</p>
    <h2 id="aboutss"><i>uses:</i></h2>
    <p>This personalized shopping experience not only saves time but also instills confidence in customers as
they make choices that align with their unique styles. The site leverages color theory, providing insights into
which colors best complement individual characteristics, ultimately leading to greater satisfaction with
purchases</p>
</section>
<br><br>
<section id="contact" class="contact-section">
    <!-- Contact content here -->
    <h2>Contact Us</h2>
    <p>Email: stylika@coloranalysis.com</p>
    <p>Phone: +1 234 567 890</p>
</section>
<script src="testing.js"></script>
<footer>
    <!-- <p>&copy; 2024 Color Analysis Shopping</p> -->
</footer>
<section id="history">
    <!-- History content here -->

```

</section>

6.2. CART.HTML

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Shopping Cart</title>
  <link rel="icon" type="image/x-icon" href="title.png" >
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/css/bootstrap.min.css"
rel="stylesheet">
  <style>
    .cart-item {
      margin-bottom: 20px;
    }
    .total-price {
      font-weight: bold;
      font-size: 1.5em;
    }
    .buy-now {
      margin-top: 20px;
    }
    #billModal .modal-body {
      max-height: 400px;
      overflow-y: auto;
    }

    /* Bill modal styles */
    .modal-content {
      border-radius: 15px; /* Rounded corners for the modal */
    }

    .modal-header {
      background-color: #007bff; /* Bootstrap primary color */
      color: white; /* White text for header */
    }

    .modal-title {
      font-size: 1.5rem; /* Larger font size for title */
    }

    .table {
      border-collapse: collapse; /* Collapse borders for table */
    }

    .table th, .table td {
      padding: 10px; /* Add padding for table cells */
    }
```

```

    text-align: left; /* Align text to the left */
}

.table th {
    background-color: #f2f2f2; /* Light grey background for table header */
    border-bottom: 2px solid #007bff; /* Blue border for header */
}

.table tr:nth-child(even) {
    background-color: #f9f9f9; /* Zebra striping for even rows */
}

.table tr:hover {
    background-color: #eaeaea; /* Highlight row on hover */
}

.modal-body h4 {
    font-size: 1.25rem; /* Slightly larger font for total */
    font-weight: bold; /* Bold text for emphasis */
    margin-top: 20px; /* Margin above total */
}

.modal-footer {
    border-top: 2px solid #007bff; /* Blue border at footer */
}

.modal-footer .btn {
    background-color: #007bff; /* Match button color to modal header */
    color: white; /* White text for footer buttons */
}

.modal-footer .btn:hover {
    background-color: #0056b3; /* Darker blue on hover */
}

.nav-link {
    font-size: 1.2rem; /* Increased font size */
    margin: 0 40px; /* Added margin for spacing */
    color: white;
}

.nav-link:hover,
.form-control:hover,
.btn-outline-success:hover {
    background-color: white; /* Change background color on hover */
    color: #2243ff; /* Change text color on hover */
    border-radius: 4px;
}

</style>
</head>
<body>

<!-- Navbar -->
<header>

```

```

<nav class="navbar navbar-expand-lg navbar-light bg-black">
  <div class="container-fluid ">
    <form class="d-flex me-auto" role="search" id="search-form" id="colour"
onsubmit="event.preventDefault(); searchProducts();">
      
      <li><br></li>
      <a class="navbar-brand nav-link" href="#">Shopping Cart</a>
      <input class="form-control me-2" type="search" id="search-input" placeholder="Search" aria-
label="Search">
      <button class="btn btn-outline-primary" type="submit">Search</button>
    </form>

    <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>

    <!-- bg-white -->
    <div class="collapse navbar-collapse" id="navbarNav">
      <ul class="navbar-nav ms-auto">
        <li class="nav-item">
          <a class="nav-link" href="websitesstylika.html">Home</a>
        </li>
        <li class="nav-item">
          <a class="nav-link" href="winterproduct.html">Products</a>
        </li>
        <li class="nav-item">
          <a class="nav-link cart-badge" href="carting.html">
            Cart <span class="badge bg-primary" id="cart-count">0</span>
          </a>
        </li>
      </ul>
    </div>
  </div>
</nav>
</header>

<!-- Container -->
<div class="container mt-5">
  <h2>Your Shopping Cart</h2>
  <div id="cart-items"></div>
  <div class="total-price" id="total-price">Total: $0</div>

  <!-- Discount Code Input -->
  <div class="mb-3">
    <label for="discount-code" class="form-label">Discount Code</label>
    <input type="text" id="discount-code" class="form-control" placeholder="Enter discount code">
    <button class="btn btn-secondary mt-2" onclick="applyDiscount()">Apply Discount</button>
  </div>

  <button class="btn btn-primary buy-now" id="buyNowBtn" onclick="showBill()">Buy Now</button>
</div>

<!-- Bill Modal -->

```

```

<div class="modal fade bg-dark" id="billModal" tabindex="-1" aria-labelledby="billModalLabel" aria-
hidden="true">
  <div class="modal-dialog modal-lg bg-dark">
    <div class="modal-content">
      <div class="modal-header">
        <h5 class="modal-title" id="billModalLabel">Bill</h5>
        <button type="button" class="btn-close" data-bs-dismiss="modal" aria-label="Close"></button>
      </div>
      <div class="modal-body">
        
        <table class="table mt-3">
          <thead>
            <tr>
              <th>Product</th>
              <th>Quantity</th>
              <th>Price Each</th>
              <th>Total</th>
            </tr>
          </thead>
          <tbody id="bill-items"></tbody>
        </table>
        <p id="bill-subtotal"></p>
        <p id="bill-tax"></p>
        <p id="bill-discount"></p>
        <h4 id="bill-total"></h4>
      </div>
      <div class="modal-footer">
        <button type="button" class="btn btn-secondary" onclick="printBill()">Print Bill</button>
        <button type="button" class="btn btn-secondary" onclick="sendEmail()">Email Bill</button>
        <button type="button" class="btn btn-secondary" onclick="saveBill()">Save Bill</button>
        <button type="button" class="btn btn-dark" data-bs-dismiss="modal">Close</button>
        <button type="button" class="btn btn-primary" onclick="saveBillToDatabase()">Confirm
Purchase</button>
      </div>
    </div>
  </div>
</div>
</div>

<script>
const TAX_RATE = 0.08; // 8% tax rate
const DISCOUNTS = {
  "SAVE10": 10, // 10% discount
  "SAVE20": 20, // 20% discount
  "FREESHIP": 5 // $5 discount
};
let currentDiscount = 0; // Store the current discount

function loadCartItems() {
  const cartItems = JSON.parse(localStorage.getItem('cart')) || [];
  const cartItemsContainer = document.getElementById('cart-items');
  cartItemsContainer.innerHTML = "";

  if (cartItems.length === 0) {
    cartItemsContainer.innerHTML = '<p>Your cart is empty.</p>';
  }
}

```



```

    document.getElementById('total-price').innerText = `Total: $0`;
    return;
}

let total = 0;
cartItems.forEach((item, index) => {
    const itemTotal = item.price * item.quantity;
    total += itemTotal;

    const cartItem = document.createElement('div');
    cartItem.className = 'cart-item card';
    cartItem.innerHTML = `
        <div class="card-body">
            <h5 class="card-title">${item.name}</h5>
            <p class="card-text">Price: $$${item.price} each</p>
            <p class="card-text">Total: $<span id="item-total-${index}">${itemTotal.toFixed(2)}</span></p>
            
            <div class="input-group mb-3">
                <input type="number" class="form-control" value="${item.quantity}" min="1"
onchange="updateQuantity(${index}, this.value)">
                <button class="btn btn-danger" onclick="removeFromCart(${index})">Remove</button>
            </div>
        </div>
    `;
    cartItemsContainer.appendChild(cartItem);
});

document.getElementById('total-price').innerText = `Total: $$${total.toFixed(2)}`;
}

function updateQuantity(index, newQuantity) {
    const cartItems = JSON.parse(localStorage.getItem('cart')) || [];
    cartItems[index].quantity = parseInt(newQuantity);
    localStorage.setItem('cart', JSON.stringify(cartItems));
    loadCartItems();
}

function removeFromCart(index) {
    const cartItems = JSON.parse(localStorage.getItem('cart')) || [];
    cartItems.splice(index, 1);
    localStorage.setItem('cart', JSON.stringify(cartItems));
    loadCartItems();
}

function applyDiscount() {
    const discountCode = document.getElementById('discount-code').value;
    currentDiscount = DISCOUNTS[discountCode] || 0; // Get discount percentage or 0 if invalid
    if (currentDiscount) {
        alert(`Discount code applied! You will receive ${currentDiscount}% off your total.`);
    } else {
        alert('Invalid discount code.');
```

```

function showBill() {
  const cartItems = JSON.parse(localStorage.getItem('cart')) || [];
  if (cartItems.length === 0) {
    alert('Your cart is empty!');
    return;
  }

  let billItemsContainer = document.getElementById('bill-items');
  billItemsContainer.innerHTML = '';
  let subtotal = 0;

  cartItems.forEach((item) => {
    const itemTotal = item.price * item.quantity;
    subtotal += itemTotal;

    const billItem = document.createElement('tr');
    billItem.innerHTML = `
      <td>${item.name}</td>
      <td>${item.quantity}</td>
      <td>${item.price.toFixed(2)}</td>
      <td>${itemTotal.toFixed(2)}</td>
    `;
    billItemsContainer.appendChild(billItem);
  });

  const tax = subtotal * TAX_RATE;
  const total = subtotal + tax - (subtotal * currentDiscount / 100);

  document.getElementById('bill-subtotal').innerText = `Subtotal: ${subtotal.toFixed(2)}`;
  document.getElementById('bill-tax').innerText = `Tax (8%): ${tax.toFixed(2)}`;
  document.getElementById('bill-discount').innerText = `Discount: ${((subtotal * currentDiscount / 100).toFixed(2))}`;
  document.getElementById('bill-total').innerText = `Total: ${total.toFixed(2)}`;

  // Show the modal
  const billModal = new bootstrap.Modal(document.getElementById('billModal'));
  billModal.show();
}

function printBill() {
  window.print();
}

function sendEmail() {
  const subject = encodeURIComponent('Your Bill');
  const body = encodeURIComponent(document.getElementById('bill-total').innerText);
  window.location.href = `mailto:?subject=${subject}&body=${body}`;
}

function saveBill() {
  const billContent = document.getElementById('bill-items').innerHTML;
  const blob = new Blob([billContent], { type: 'text/plain' });
  const link = document.createElement('a');
  link.href = URL.createObjectURL(blob);

```

```

link.download = 'bill.txt';
link.click();
}

```

```

function saveBillToDatabase() {
  const cartItems = JSON.parse(localStorage.getItem('cart')) || [];
  const subtotal = cartItems.reduce((total, item) => total + (item.price * item.quantity), 0);
  const tax = subtotal * TAX_RATE;
  const total = subtotal + tax - (subtotal * currentDiscount / 100);
  const productData = cartItems.map(item => ({
    name: item.name,
    quantity: item.quantity,
    price: item.price,
    total: item.price * item.quantity
  }));
}

```

```

// Use AJAX to send data to a PHP script
fetch('save_bill.php', {
  method: 'POST',
  headers: {
    'Content-Type': 'application/json'
  },
  body: JSON.stringify({
    products: productData,
    subtotal: subtotal,
    tax: tax,
    discount: (subtotal * currentDiscount / 100),
    total: total
  })
})
.then(response => response.json())
.then(data => {
  alert(data.message);
  // Optionally clear the cart after saving the bill
  localStorage.removeItem('cart');
  loadCartItems();
})
.catch(error => {
  console.error('Error:', error);
});
}

```

```

// Load cart items on page load
window.onload = loadCartItems;

```

```

document.getElementById('buyNowBtn').addEventListener('click', function() {
  saveBillToDatabase();
});

```

```

function saveBillToDatabase() {
  const cartItems = JSON.parse(localStorage.getItem('cart')) || [];
  const subtotal = cartItems.reduce((total, item) => total + (item.price * item.quantity), 0);
  const tax = subtotal * TAX_RATE; // Ensure TAX_RATE is defined
  const total = subtotal + tax - (subtotal * currentDiscount / 100); // Ensure currentDiscount is defined
}

```

```

const productData = cartItems.map(item => ({
  name: item.name,
  quantity: item.quantity,
  price: item.price,
  total: item.price * item.quantity
}));

console.log(productData); // Check if productData is correctly populated

fetch('save_bill.php', {
  method: 'POST',
  headers: {
    'Content-Type': 'application/json'
  },
  body: JSON.stringify({
    products: productData,
    subtotal: subtotal,
    tax: tax,
    discount: (subtotal * currentDiscount / 100),
    total: total
  })
})
.then(response => response.json())
.then(data => {
  alert(data.message);
  // Clear the cart if needed
  localStorage.removeItem('cart');
  loadCartItems(); // Ensure this function is defined to reload cart items
})
.catch(error => {
  console.error('Error:', error);
});
}

```

</script>

<script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.10.2/dist/umd/popper.min.js"></script>

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

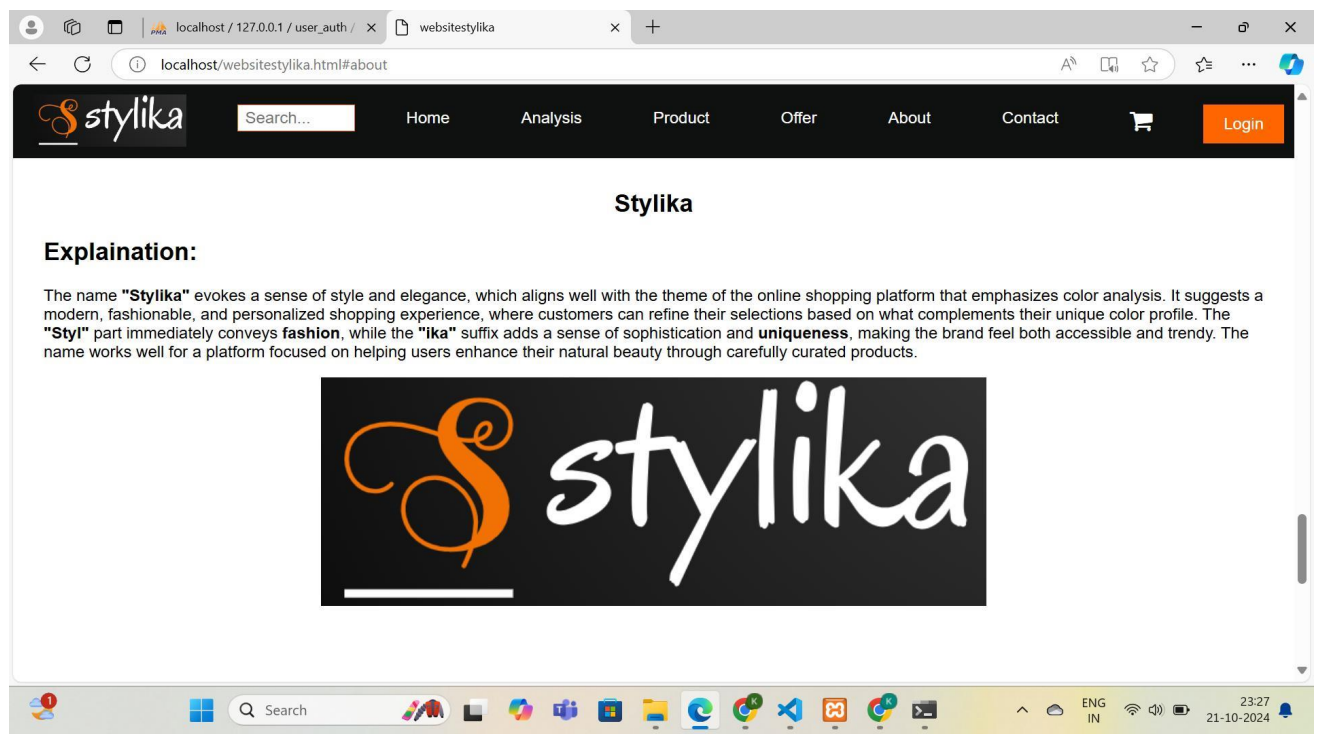
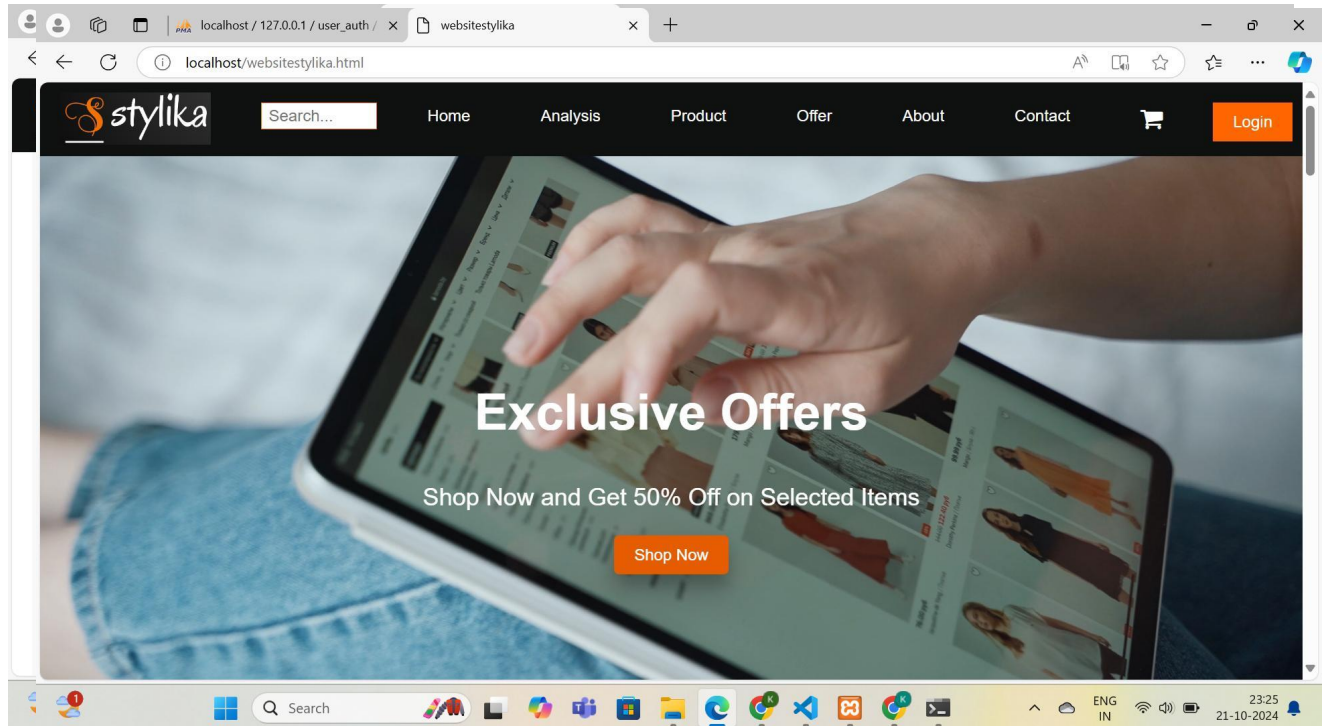
</body>

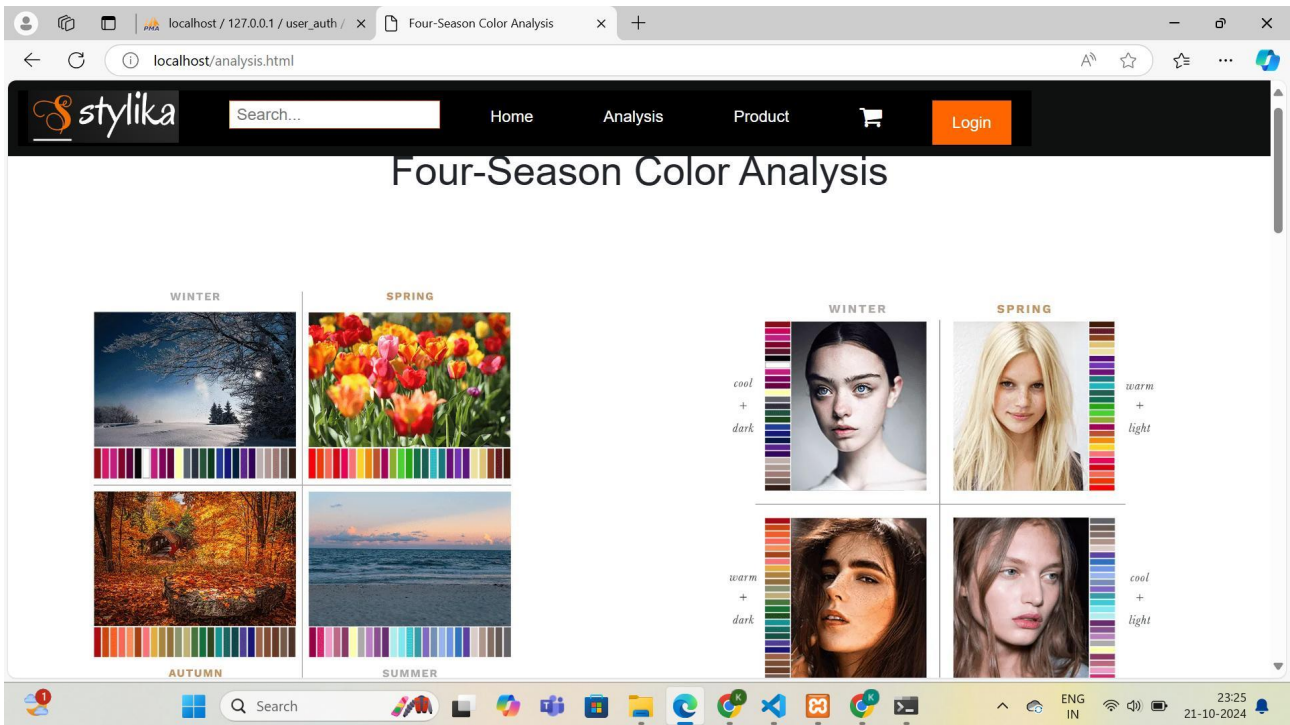
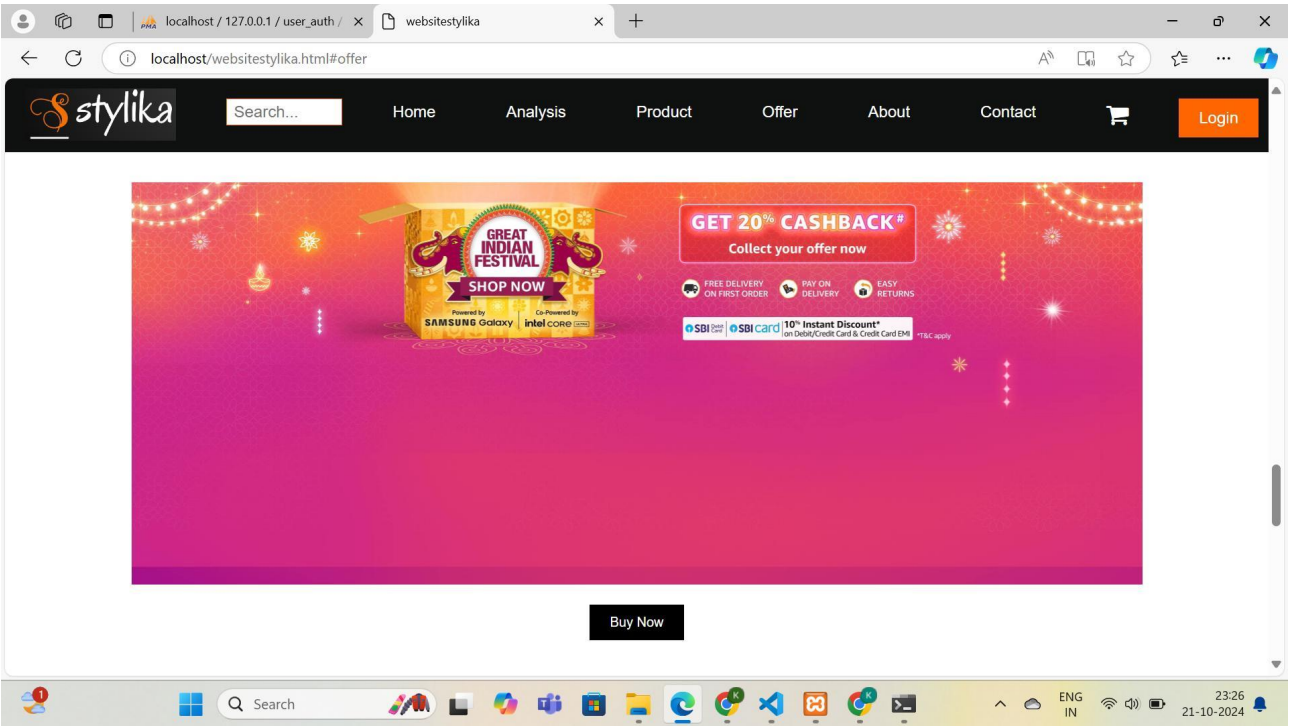
</html>

CHAPTER 7

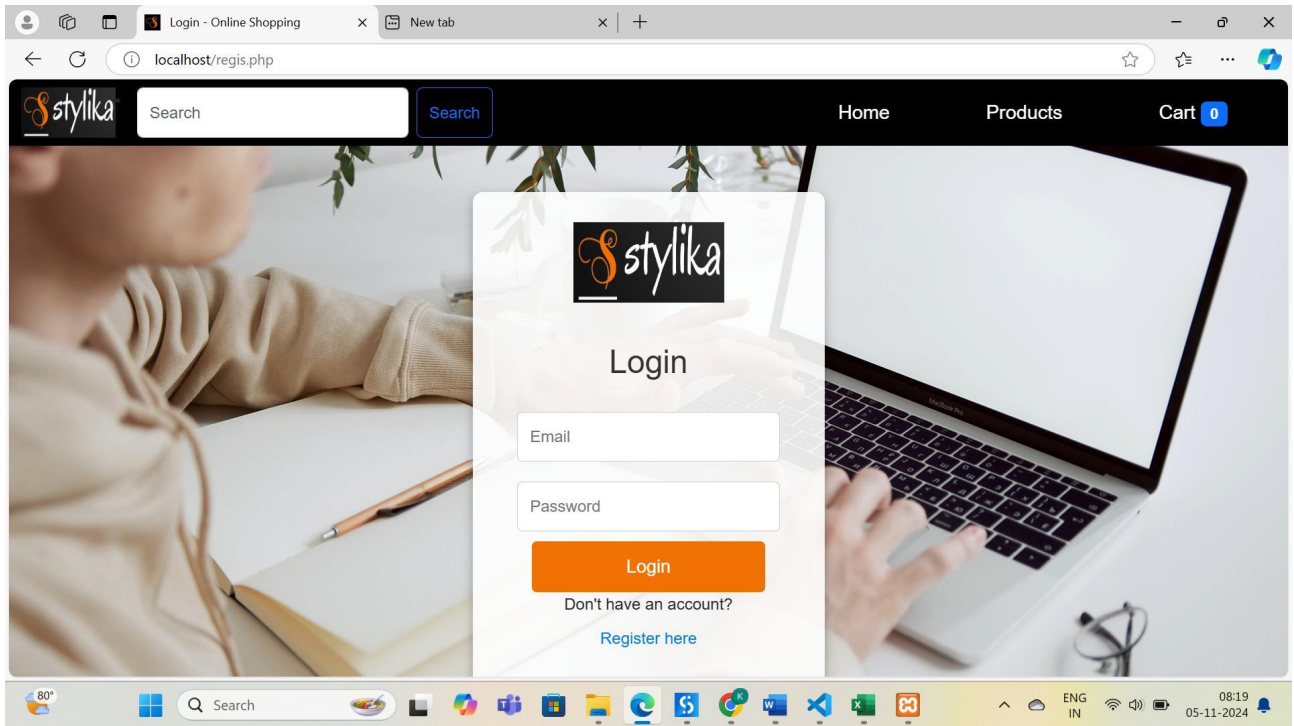
SCREENSHOTS

7.1. HOMEPAGE

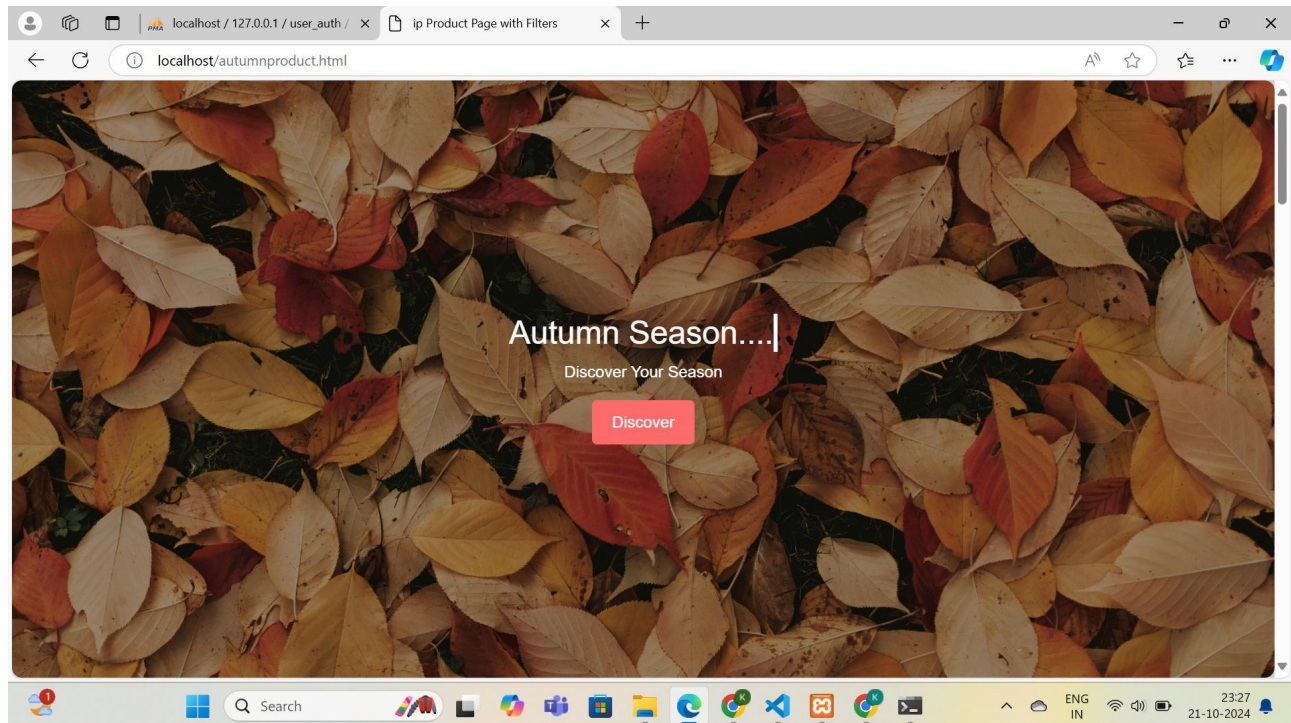




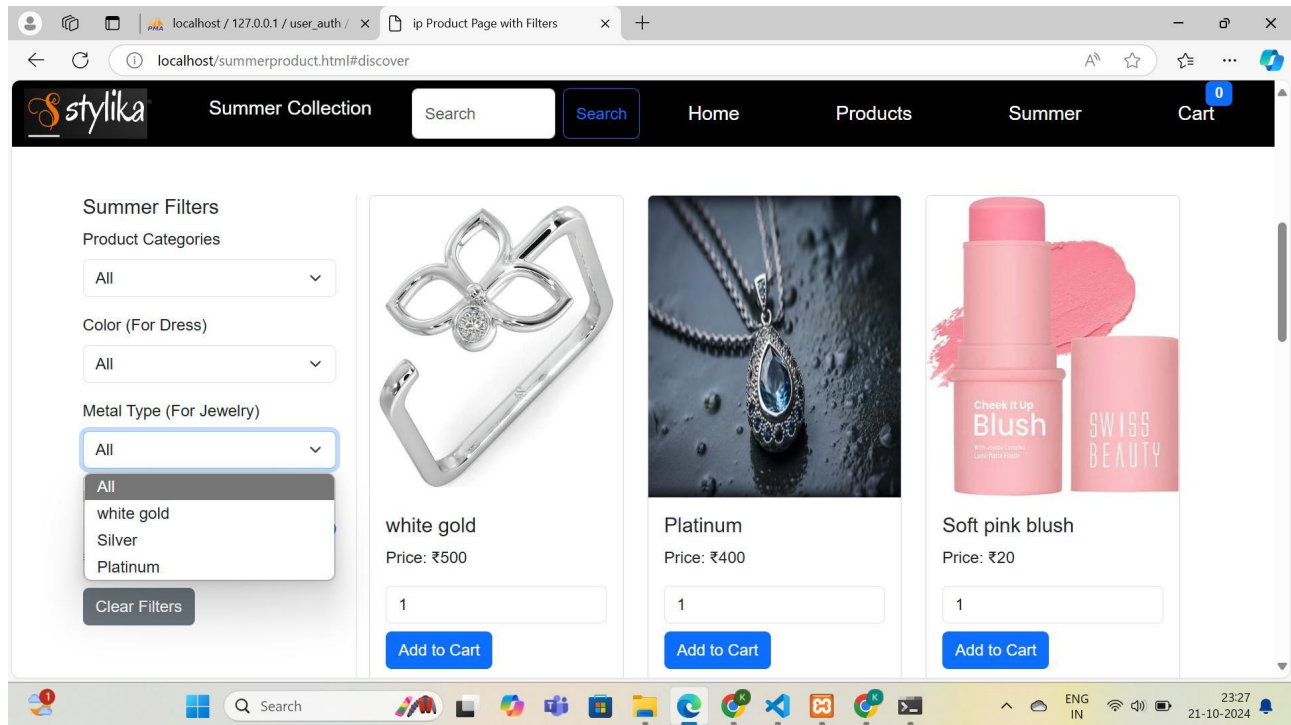
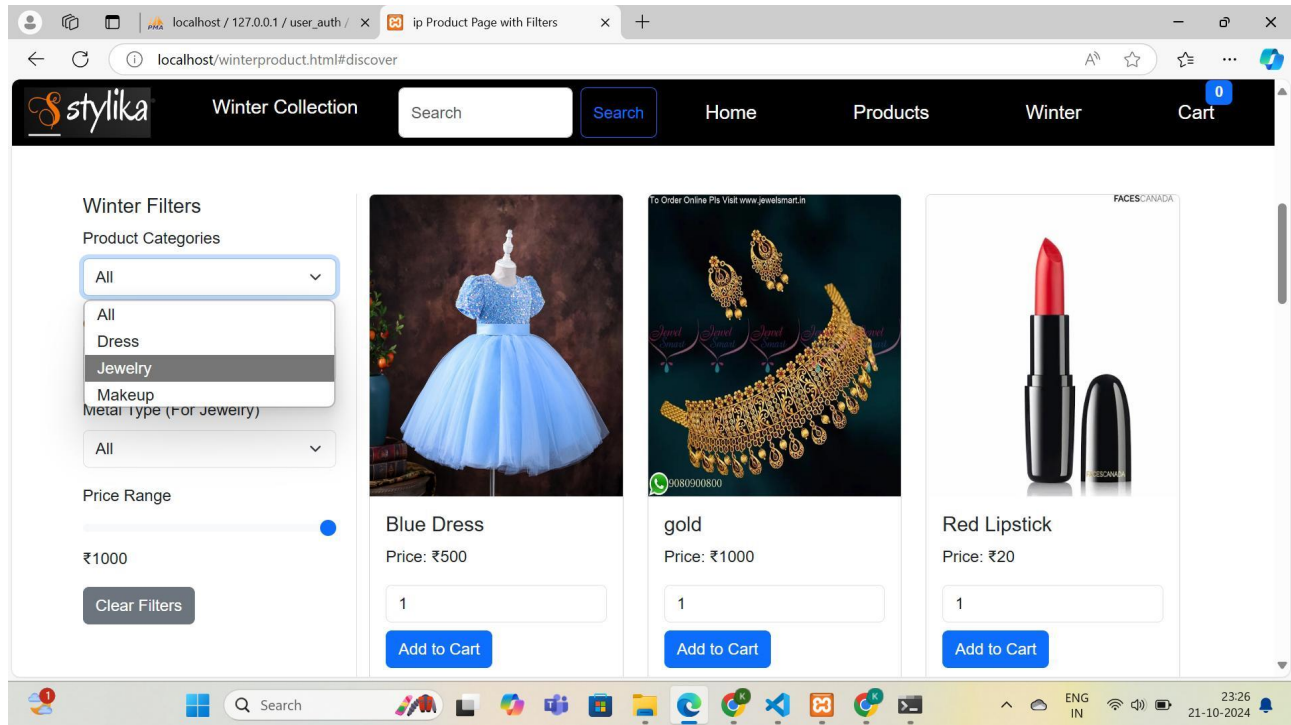
7.2. LOGIN PAGE

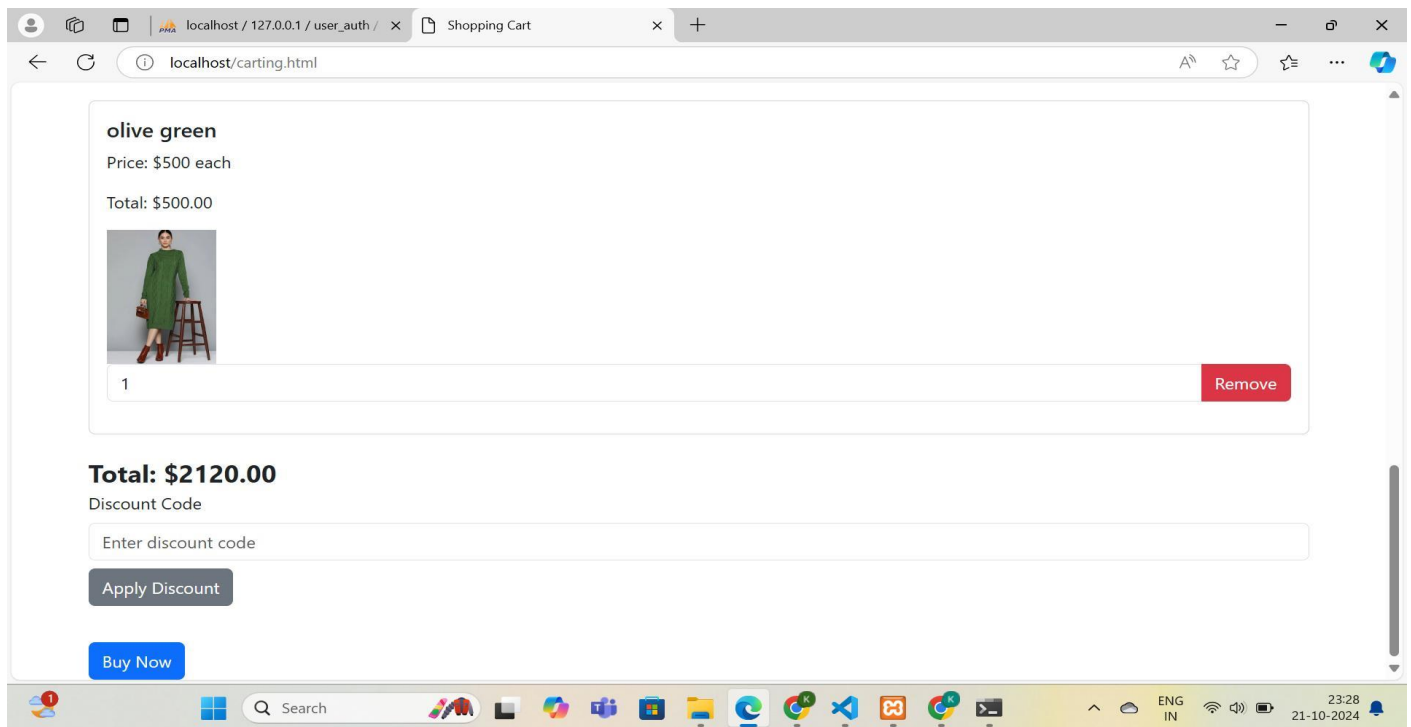
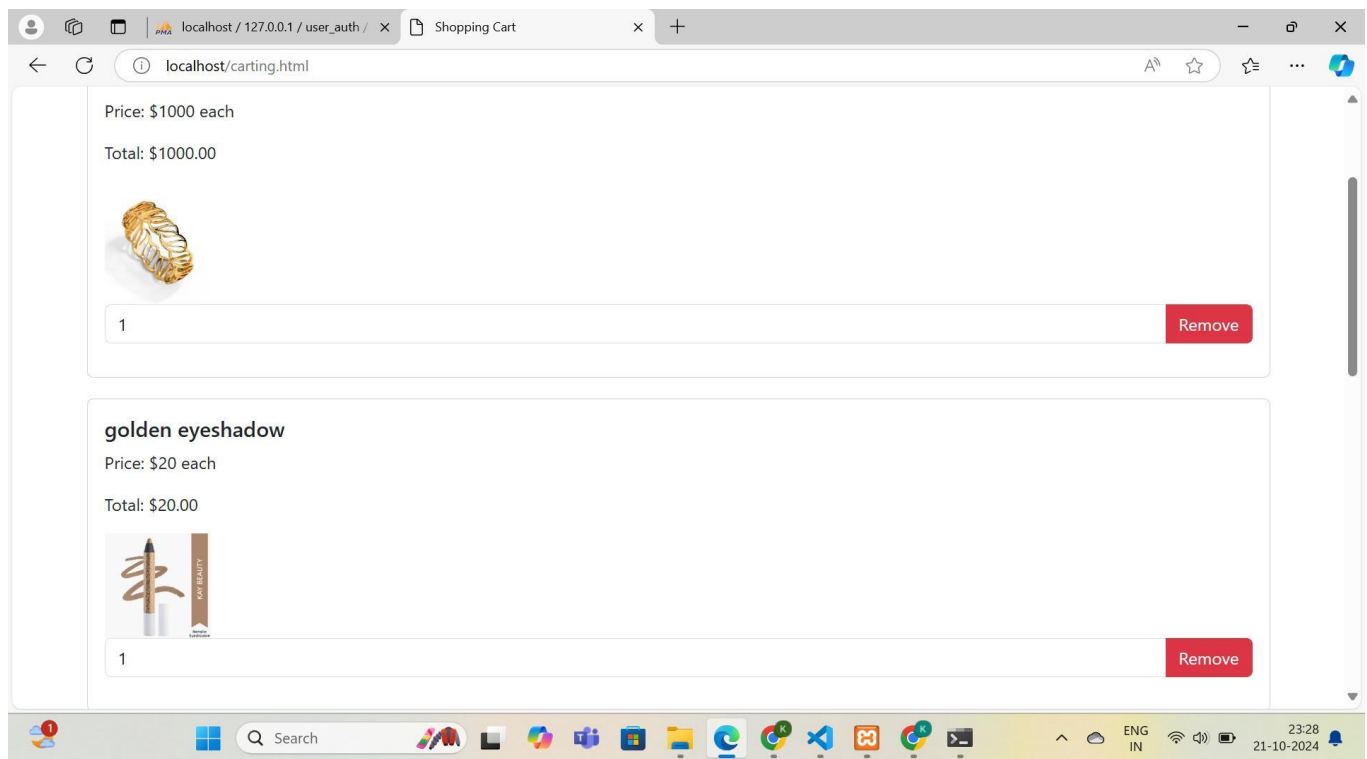


7.3. PRODUCT PAGE



7.4. PRODUCTS






Shopping Cart

localhost / 127.0.0.1 / user_auth / x

localhost/carting.html

Bill



Product	Quantity	Price Each	Total
Gold	1	\$1000.00	\$1000.00
golden eyeshadow	1	\$20.00	\$20.00
Rust	1	\$600.00	\$600.00
olive green	1	\$500.00	\$500.00

Subtotal: \$2120.00

Tax (8%): \$169.60

Print Bill

Email Bill

Save Bill

Close

Confirm Purchase

Search

ENG IN

23:29 21-10-2024

CHAPTER 8

CONCLUSION

The introduction of the personalized shopping filter based on seasonal color analysis marks a significant advancement in the online retail experience. By allowing customers to select clothing, jewelry, and makeup that aligns with their unique seasonal palettes, this innovative feature not only enhances the shopping journey but also empowers users to make confident choices that complement their natural beauty. The thoughtful integration of color theory into the shopping process promotes a deeper understanding of personal aesthetics and style, ensuring that each purchase is tailored to individual preferences. As consumers embrace this new approach, they can enjoy a more streamlined and satisfying shopping experience, ultimately fostering greater loyalty and engagement with the brand. With the potential for future enhancements, such as personalized recommendations, this initiative stands to redefine the way customers interact with fashion and beauty, making it a truly transformative addition to the online shopping landscape.

REFERENCES

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5. <https://www.w3schools.com/css/>
6. <https://www.w3schools.com/js/>
7. <https://www.w3schools.com/php/>
8. <https://www.w3schools.com/bootstrap5/>
9. <https://www.w3schools.com/jquery/>
10. <https://www.w3schools.com/mysql/>