

**MIT Art Design and Technology University  
MIT School of Computing, Pune**

**Department of Information Technology**

Web Analysis and Programming

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# Assignment





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**TrendyShe is a cutting-edge e-commerce platform designed exclusively for modern women. It serves as a one-stop destination for the latest fashion trends, expertly curated collections, and personalized style guides**.

**The website boasts a sleek, responsive design with intuitive navigation, offering a seamless shopping journey. Women can effortlessly explore clothing tailored to their preferences and occasions, staying ahead of trends with ease. TrendyShe redefines online fashion by blending convenience with individuality.**

# WPAL Assignment No. 1

Kindly prepare the lab manual word file which must have following points:  
Problem Statement,   
Theory- all concept theory, syntax, example Algorithm  
Code  
Output screenshots  
Conclusion  
  
Kindly upload lab manual word file for the following problem statement:  
Use HTML to structures and displays content on websites, including text, images, links, and multimedia for **TrendyShe**:   
A. Create the basic structure of the coffee shop website, including the home page layout with a header, main content area, and footer.  
B. Create a detailed menu page for **TrendyShe** listing all available items categorized appropriately.  
C. Create a cart page that allows customers to review and manage the items they wish to purchase before proceeding to checkout.  
D. Create an about us page that provides detailed information about **TrendyShe** history, mission, and team.

E. Create a contact page that allows customers to easily get in touch with the **TrendyShe** through a form.

**1. Project Essence**

**Mission**

Empower and inspire women to embrace their unique style and confidence through fashion. **TrendyShe** is more than just a shopping platform—it’s a community that celebrates individuality and empowers women to express themselves boldly.

**Tagline**

*"Where Fashion Finds You."*

**Vision**

To redefine online fashion shopping by offering a curated, seamless experience that keeps modern women ahead of the style curve. **TrendyShe** envisions becoming a trusted partner for women by blending style expertise with a user-first approach.

**2. Goals & Deliverables**

**Goals**

1. **Trend Authority**: Establish **TrendyShe** as a leading destination for fashion-conscious women.
2. **Interactive Engagement**: Create a platform that feels dynamic, fun, and engaging.
3. **Curated Personalization**: Offer tailored collections and style guides for individual preferences.
4. **Unmatched Usability**: Provide a secure, intuitive, and enjoyable shopping experience.

**Deliverables**

1. A responsive, visually stunning website optimized for all devices.
2. Regularly refreshed collections that reflect the latest fashion trends.
3. Expert-created style guides to inspire and educate.
4. Interactive shopping features, including intuitive navigation, detailed filters, and engaging elements like animations.
5. Secure e-commerce functionality with seamless checkout processes.

**3. Core Modules**

1. **Home Page**
   * A welcoming space that introduces **TrendyShe** mission and highlights trending collections, offers, and seasonal must-haves.
   * Features dynamic sections, such as "Top Picks," "New Arrivals," and "Editor’s Choice."
2. **Collections**
   * Clothing organized into clear categories: casual, formal, seasonal, and more.
   * Advanced filters for size, color, price, and occasion to make browsing effortless.
3. **Style Guides**
   * Inspiration-packed guides featuring tips for office attire, party looks, or vacation wardrobes.
   * Seasonal and trend-based advice, such as "Fall Must-Haves" or "Summer Essentials."
4. **About Us**
   * A deeper dive into the story, mission, and vision of TrendyShe.
   * Highlights the team’s commitment to empowering women through fashion.
5. **Shop**
   * A streamlined e-commerce module with product reviews, detailed descriptions, high-quality images, and secure checkout.
   * Includes "You May Also Like" sections for personalized recommendations.

**4. Target Audience**

**Who TrendyShe Inspires**

* **Young Women (18–35)**: Ambitious individuals who love keeping up with trends and experimenting with their style.
* **Professionals**: Women seeking a balance between chic and sophisticated fashion for work and beyond.
* **Fashion Enthusiasts**: Those passionate about exploring trends, expert tips, and fresh wardrobe ideas.
* **Digital Natives**: Online shoppers who value convenience, variety, and quality.

**5. Pain Points & Ideal Experience**

**Pain Points**

1. Overwhelmed by fast-changing fashion trends.
2. Lack of easily accessible curated collections and professional guidance.
3. Frustrating online shopping experiences due to poor navigation and unclear designs.

**Ideal Experience**

* A **chic, magazine-like platform** that’s as inspiring as it is easy to use.
* **Tailored collections** that make finding the perfect outfit effortless.
* A **seamless shopping journey** from browsing to checkout, complete with secure payments and personalized recommendations.

**6. Visual Direction**

**Design Philosophy**

* **Modern Minimalism**: A clean, uncluttered interface that focuses on the elegance of **TrendyShe** offerings.
* **Lifestyle Imagery**: High-quality visuals that showcase collections in real-life scenarios, helping users visualize their wardrobe.
* **Dynamic Engagement**: Subtle animations, hover effects, and transitions for an interactive feel.

**Color Palette**

* **Primary**: Blush pink, soft neutrals, and classic black for elegance and approachability.
* **Accent**: Gold and deep berry tones to add sophistication and warmth.

**Typography**

* **Headers**: Elegant serif fonts that convey sophistication.
* **Body Text**: Clean, legible sans-serif fonts for a modern touch.

**7. Structural Blueprint**

**Header**

* Logo | Main Menu | User Account | Shopping Cart.

**Footer**

* About Us | Contact Us | Social Media Links | Newsletter Subscription.

**Pages**

1. **Home**: Engaging intro with highlights on collections, offers, and style guides.
2. **Collections**: Clothing categories with filters for easy discovery.
3. **About Us**: The story and mission behind TrendyShe.
4. **Shop**: A feature-rich shopping page with personalization options.
5. **Contact**: Support and feedback channels for seamless customer assistance.

**8. Innovative CSS Features**

1. **Grid-Based Layouts**: Create visually pleasing, organized grids for products and collections.
2. **Responsive Design**: Ensure a flawless experience across all devices, using media queries and fluid layouts.
3. **Hover Animations**: Subtle interactions that enhance the browsing experience.
4. **Custom Key frames**: Smooth fade-ins and transitions that add polish to content reveals.
5. **Form Styling**: User-friendly forms with styled input fields and feedback messages.

**9. Why Choose TrendyShe?**

**Empowerment Through Fashion**

TrendyShe goes beyond shopping—it’s about helping women embrace their individuality and feel their best.

**Always On-Trend**

Stay ahead of the fashion curve with fresh collections and expert style guides.

**Personalized Shopping**

Tailored recommendations and curated collections make every visit feel uniquely yours.

**TrendyShe Feature Checklist**

1. **Responsive Navbar**
   * Ensure the navbar adapts perfectly on all screen sizes using a **media query**.
   * The menu-btn (hamburger icon) should toggle visibility of the menu on mobile devices.
2. **Sticky Navbar**
   * Add a position: sticky or position: fixed property to ensure the navbar stays visible when scrolling.
3. **Smooth Scrolling**
   * Add smooth scrolling for the internal links (e.g., #newArrival, #Fashion) for a better user experience.
4. **Search Functionality**
   * Add a **search bar** to the navbar for users to quickly find products or guides.
5. **Highlight Active Links**
   * Use CSS or JavaScript to dynamically update the .active class when the user scrolls to different sections.
6. **Dynamic Cart Badge**
   * Ensure cart-count dynamically updates with the number of items in the cart using JavaScript.
7. **Dropdown Menus**
   * Add dropdowns for categories like "Fashion" or "New Arrivals" to display subcategories or trending collections.
8. **Social Media Icons**
   * Integrate stylish icons for social media platforms in the navbar or as a toggleable sidebar.
9. **Login/Profile Dropdown**
   * If a user is logged in, replace the "Login" link with a profile picture or name and add a dropdown for account options.
10. **Dark/Light Mode Toggle**

* Add a mode toggle in the navbar for switching between dark and light themes.

1. **Shopping Cart Details**

* When hovering over the cart icon, display a quick preview of cart items.

1. **Accessibility Features**

* Ensure keyboard navigation works (focus states for links) and add **ARIA labels** for screen readers.

### HTML Structure (index.php)

### Homepage:-

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

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

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.6.0/css/all.min.css" integrity="sha512-Kc323vGBEqzTmouAECnVceyQqyqdsSiqLQISBL29aUW4U/M7pSPA/gEUZQqv1cwx4OnYxTxve5UMg5GT6L4JJg==" crossorigin="anonymous" referrerpolicy="no-referrer" />

<script src="https://cdnjs.cloudflare.com/ajax/libs/jquery/3.7.1/jquery.min.js" integrity="sha512-v2CJ7UaYy4JwqLDIrZUI/4hqeoQieOmAZNXBeQyjo21dadnwR+8ZaIJVT8EE2iyI61OV8e6M8PP2/4hpQINQ/g==" crossorigin="anonymous" referrerpolicy="no-referrer"></script>

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

<script src="java.js"></script>

<title>TrendyShe</title>

</head>

<body>

<header>

<nav class="navbar">

<div class="logo"><h1>TrendyShe</h1></div>

<ul class="menu">

<li><a href="#" class="active">Home</a></li>

<li><a href="#newArrival" class="newArrival">New arrivals</a></li>

<li><a href="#Fashion" class="Fashion">Fashion</a></li>

<li><a href="login.php">Login</a></li>

<li><a href="card.php" class="fas fa-shopping-cart"><span class="cart-count"></span></a></li>

</ul>

<div class="menu-btn">

<i class="fas fa-bars"></i>

</div>

</nav>

</header>

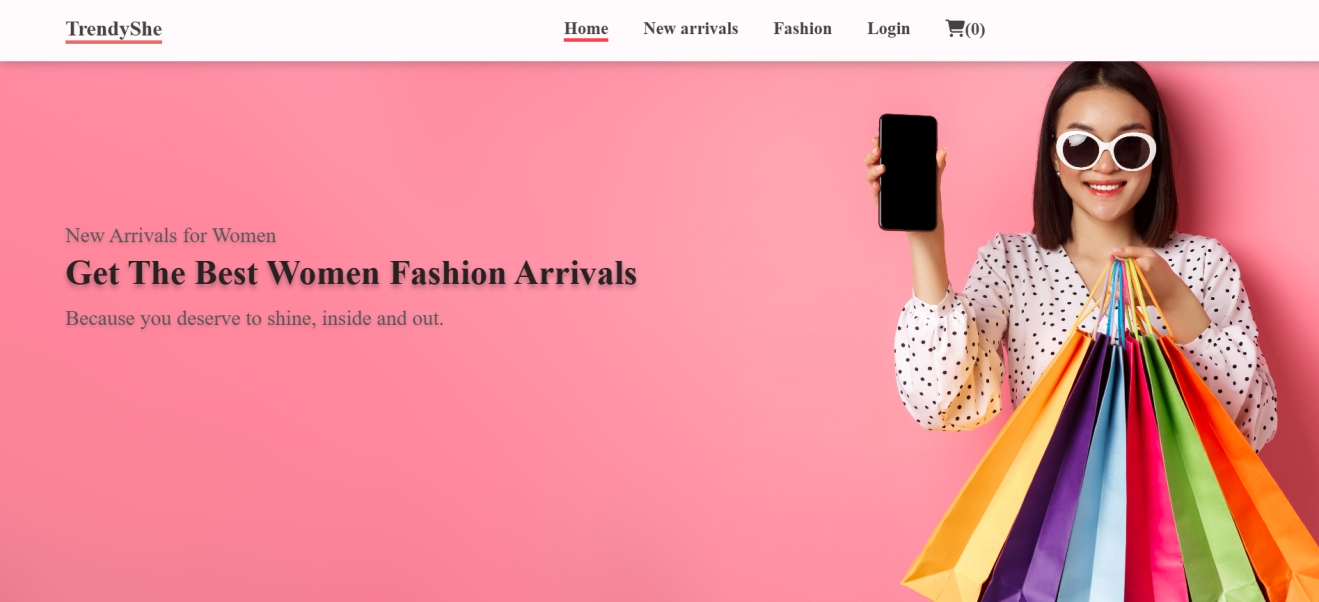
<section class="content">

<h3>New Arrivals for Women</h3>

<h1>Get The Best Women Fashion Arrivals</h1><br>

<h3>Because you deserve to shine, inside and out.</h3><br>

</section>



# WPAL Assignment No. 2

Use CSS styles and formats for the visual presentation of HTML content on websites, including layout, colours, and fonts for **TrendyShe**  
A. Enhance the layout of the coffee shop website using CSS Grid for the home page.  
B. Use CSS Grid to layout the menu items in a structured and style the menu categories with appropriate headings, spacing, separators, images, descriptions, and prices.  
C. Enhance the contact page to make it user-friendly and visually appealing. Style the contact form with appropriate margins, paddings, and input field styles.  
D. Enhance and style the about us page with appropriate margins, paddings, and input field styles.  
E. Enhance the product page to make it user-friendly and visually appealing. Style the cart items with appropriate margins, paddings, and input field styles to provide a seamless shopping experience.

**Product Card Explanation**

The product card is a dynamic and visually appealing element designed to showcase individual products effectively. It combines essential product information with actionable features to enhance user experience and drive sales. Below is a detailed explanation of the components:

1. **Image Section**
   * Displays the product image prominently, allowing users to view the item visually before making a purchase decision.
   * The alt attribute provides a text alternative for accessibility and improves SEO.
2. **Product Title**
   * Includes a title that captures the name or category of the product in a concise and descriptive manner.
   * This ensures easy identification of the product by users.
3. **Product Description**
   * A brief and engaging description highlights key details about the product, such as material, design, or unique features.
   * It helps users understand what the product offers and supports their decision-making process.
4. **Pricing Information**
   * Clearly displays the product price in a prominent and noticeable position.
   * The pricing format ensures clarity, allowing users to quickly evaluate affordability.
5. **Action Buttons**
   * **"Buy Now" Button:** Directs users to the checkout process, enabling them to complete a purchase immediately.
   * **"Add to Cart" Button:** Allows users to save the product for later purchase.
     + Includes functionality to add product details such as name, price, and description to the shopping cart dynamically.
     + This enhances interactivity and provides users with flexibility in managing their shopping preferences.
6. **Product Box Layout**
   * Groups price and action buttons within a dedicated section for a clean and organized layout.
   * The structure ensures all critical details are easily visible, contributing to an intuitive user experience.

The product card is designed to balance aesthetics and functionality, ensuring it captures attention while providing users with all necessary product details and purchasing options in a streamlined manner.

<!-- card start -->

<div class="card">

<div class="img"><img src="product3.png" alt="Lady TOP"></div>

<div class="title">Lady TOP</div>

<h3>OFF white solid top</h3>

<div class="box">

<div class="price">$50</div>

<button class="btn">Buy Now</button>

<button class="btn" onclick="addProduct({name: 'OFF white solid top', price: 50.00, description: 'Product Description'})"> Add to Cart</button>

</div>

</div>

<!-- card end -->

<!-- card start -->

<div class="card">

<div class="img"><img src="product5.png" alt="Co-ord set"></div>

<div class="title">Co-ord set</div>

<h3>Brown trendy Co-ord set</h3>

<div class="box">

<div class="price">$90</div>

<button class="btn">Buy Now</button>

<button class="btn" onclick="addProduct({name: 'Co-ord set', price: 90.00, description: 'Brown trendy Co-ord set'})"> Add to Cart</button>

</div>

</div>

<!-- card end -->

<!-- card start -->

<div class="card">

<div class="img"><img src="product6.png" alt="Shirt"></div>

<div class="title">Shirt</div>

<h3>Royalica Women and girl multicolor print fancy Women regular fit shirt</h3>

<div class="box">

<div class="price">$200</div>

<button class="btn">Buy Now</button>

<button class="btn" onclick="addProduct({name: 'Shirt', price: 100.00, description: 'Royalica Women and girl multicolor print fancy Women regular fit shirt'})"> Add to Cart</button>

</div>

</div>

<!-- card end -->

<!-- card start -->

<div class="card">

<div class="img"><img src="product7.png" alt="White dress"></div>

<div class="title">White dress</div>

<h3>Saniya Women A-line White Dress</h3>

<div class="box">

<div class="price">$100</div>

<button class="btn">Buy Now</button>

<button class="btn" onclick="addProduct({name: 'White dress', price: 50.00, description: 'Saniya Women A-line White Dress'})"> Add to Cart</button>

</div>

</div>

<!-- card end -->

<!-- card start -->

<div class="card">

<div class="img"><img src="product8.png" alt="Jumpsuit"></div>

<div class="title">Jumpsuit</div>

<h3>High-waisted jumpsuit</h3>

<div class="box">

<div class="price">$100</div>

<button class="btn">Buy Now</button>

<button class="btn" onclick="addProduct({name: 'Jumpsuit', price: 50.00, description: 'High-waisted jumpsuit'})"> Add to Cart</button>

</div>

</div>

<!-- card end -->

<!-- card start -->

<div class="card">

<div class="img"><img src="product9.png" alt="Generic"></div>

<div class="title">Generic</div>

<h3>Women's rayon printed top</h3>

<div class="box">

<div class="price">$150</div>

<button class="btn">Buy Now</button>

<button class="btn" onclick="addProduct({name: 'Jumpsuit', price: 50.00, description: 'High-waisted jumpsuit'})"> Add to Cart</button>

</div>

</div>

<!-- card end -->

<!-- card start -->

<div class="card">

<div class="img"><img src="product10.png" alt="London Hills"></div>

<div class="title">London Hills</div>

<h3>London Hills Women Printed Round Neck Oversized T-Shirt | Loose Fit Drop Shoulder T-Shirt Pack of 3</h3>

<div class="box">

<div class="price">$250</div>

<button class="btn">Buy Now</button>

<button class="btn" onclick="addProduct({name: 'London Hills', price: 50.00, description: 'London Hills Women Printed Round Neck Oversized T-Shirt Loose Fit Drop Shoulder T-Shirt Pack of 3'})"> Add to Cart</button>

</div>

</div>

<!-- card end -->

<!-- card start -->

<div class="card">

<div class="img"><img src="product13.png" alt="Istyle Can"></div>

<div class="title">Istyle Can</div>

<h3>Istyle Can Women's & Girls' Solid Mock Neck Ribbed/Knitted Yellow Sleeveless Stretchable Slim Fit Crop Tank Top</h3>

<div class="box">

<div class="price">$520</div>

<button class="btn">Buy Now</button>

<button class="btn" onclick="addProduct({name: 'Istyle Can', price: 50.00, description: 'Istyle Can Womens & Girls Solid Mock Neck Ribbed/Knitted Yellow Sleeveless Stretchable Slim Fit Crop Tank Top'})"> Add to Cart</button>

</div>

</div>

<!-- card end -->

<!-- card start -->

<div class="card">

<div class="img"><img src="product14.png" alt="Istyle Can"></div>

<div class="title">Burkley 3 Piece Set</div>

<h3>Women's Embroidered Kurta Set with Organza Dupatta</h3>

<div class="box">

<div class="price">$90</div>

<button class="btn">Buy Now</button>

<button class="btn" onclick="addProduct({name: 'Burkley 3 Piece Set', price: 50.00, description: 'Womens Embroidered Kurta Set with Organza Dupatta'})"> Add to Cart</button>

</div>

</div>

<!-- card end -->

<!-- card start -->

<div class="card">

<div class="img"><img src="product15.png" alt="Istyle Can"></div>

<div class="title">Short Kurti</div>

<h3>Women's Cotton Regular Fit Short Kurti</h3>

<div class="box">

<div class="price">$760</div>

<button class="btn">Buy Now</button>

<button class="btn" onclick="addProduct({name: 'Short Kurti', price: 50.00, description: 'Womens Cotton Regular Fit Short Kurti'})"> Add to Cart</button>

</div>

</div>

<!-- card end -->

<!-- card start -->

<div class="card">

<div class="img"><img src="product16.png" alt="Istyle Can"></div>

<div class="title">Women's Crepe </div>

<h3>Women's Crepe Fit and Flare One Piece Midi Length Dress</h3>

<div class="box">

<div class="price">$220</div>

<button class="btn">Buy Now</button>

<button class="btn" onclick="addProduct({name: 'womens Crepe ', price: 50.00, description: 'Womens Crepe Fit and Flare One Piece Midi Length Dress'})"> Add to Cart</button>

</div>

</div>

<!-- card end -->

<!-- card start -->

<div class="card">

<div class="img"><img src="product17.png" alt="Istyle Can"></div>

<div class="title">Eden & Ivy</div>

<h3>Women's Georgette Fit & Flare One Piece Midi Length Tiered</h3>

<div class="box">

<div class="price">$540</div>

<button class="btn">Buy Now</button>

<button class="btn" onclick="addProduct({name: 'Eden & Ivy', price: 540.00, description: 'Womens Georgette Fit & Flare One Piece Midi Length Tiered'})"> Add to Cart</button>

</div>

</div>

<!-- card end -->

<!-- card start -->

<div class="card">

<div class="img"><img src="product18.png" alt="Istyle Can"></div>

<div class="title">Myx</div>

<h3>Women's Rayon Knee-Length A-Line Dress</h3>

<div class="box">

<div class="price">$800</div>

<button class="btn">Buy Now</button>

<button class="btn" onclick="addProduct({name: 'Myx', price: 800.00, description: 'Womens Rayon Knee-Length A-Line Dress'})"> Add to Cart</button>

</div>

</div>

<!-- card end -->

<!-- card start -->

<div class="card">

<div class="img"><img src="product19.png" alt="Istyle Can"></div>

<div class="title">INKAST</div>

<h3>Women's Denim A-Line One Piece Knee-Length Babydoll</h3>

<div class="box">

<div class="price">$450</div>

<button class="btn">Buy Now</button>

<button class="btn" onclick="addProduct({name: 'INKAST', price: 450.00, description: 'Womens Denim A-Line One Piece Knee-Length Babydoll'})"> Add to Cart</button>

</div>

</div>

<!-- card end -->

<!-- card start -->

<div class="card">

<div class="img"><img src="product20.png" alt="Istyle Can"></div>

<div class="title">Symbol Womens</div>

<h3>Symbol Women's Cotton Stretch Bodycon One Piece Midi Length Dress</h3>

<div class="box">

<div class="price">$530</div>

<button class="btn">Buy Now</button>

<button class="btn" onclick="addProduct({name: 'Symbol Womens', price: 530.00, description: 'Symbol Womens Cotton Stretch Bodycon One Piece Midi Length Dress'})"> Add to Cart</button>

</div>

</div>

<!-- card end -->

<!-- card start -->

<div class="card">

<div class="img"><img src="product21.png" alt="Istyle Can"></div>

<div class="title">Aahwan</div>

<h3>Aahwan Solid Summer Beach Square Neck Puff Sleeve Cut Out Waist Mini Dress For Women's & Girls</h3>

<div class="box">

<div class="price">$90</div>

<button class="btn">Buy Now</button>

<button class="btn" onclick="addProduct({name: 'Aahwan', price: 90.00, description: 'Aahwan Solid Summer Beach Square Neck Puff Sleeve Cut Out Waist Mini Dress For Womens & Girls'})"> Add to Cart</button>

</div>

</div>

<!-- card end -->

</div>

</section>

<!-- Fashion Section -->

<section class="sec" id="Fashion">

<header class="hero">

<div class="container">

<h1 class="hero-title">Discover the New Fashion Collection</h1>

<p class="hero-subtitle">Elevate your style with the latest trends</p>

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

</div>

</header>

<!-- Featured Products Section -->

<section class="featured-products" id="shop">

<div class="container">

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

<div class="products-grid">

<div class="product-card">

<img src="product22.png" alt="Elegant Red Dress">

<div class="product-info">

<h3 class="product-title">BIBA Women</h3>

<p class="product-description">BIBA Women Printed Cotton Suit Set.</p>

<span class="product-price">$650</span>

<button class="btn">Buy Now</button>

<button class="btn" onclick="addProduct({name: 'BIBA Women', price: 50.00, description: 'BIBA Women Printed Cotton Suit Set.'})"> Add to Cart</button>

</div>

</div>

<div class="product-card">

<img src="product23.png" alt="Chic Women's Suit">

<div class="product-info">

<h3 class="product-title">Chic Women's Suit</h3>

<p class="product-description">Naixa Women's Vichitra Silk Embroidered A-line Kurta with Vichitra Silk Pant and Chinon Embroidered Dupatta Sets</p>

<span class="product-price">$450</span>

<button class="btn">Buy Now</button>

<button class="btn" onclick="addProduct({name: 'Chic Womens Suit', price: 450.00, description: 'Product DescriptioNaixa Womens Vichitra Silk Embroidered A-line Kurta with Vichitra Silk Pant and Chinon Embroidered Dupatta Setsn'})"> Add to Cart</button>

</div>

</div>

<div class="product-card">

<img src="product24.png" alt="Stylish Leather Jacket">

<div class="product-info">

<h3 class="product-title">INDO ERA Women's</h3>

<p class="product-description">INDO ERA Women's Embroidered Straight Kurta With Pant & Dupatta Set</p>

<span class="product-price">$340</span>

<button class="btn">Buy Now</button>

<button class="btn" onclick="addProduct({name: 'INDO ERA Womens', price: 340.00, description: 'INDO ERA Womens Embroidered Straight Kurta With Pant & Dupatta Set'})"> Add to Cart</button>

</div>

</div>

<div class="product-card">

<img src="product25.png" alt="Striped Rayon Kurta Set">

<div class="product-info">

<h3 class="product-title">Aurelia Women's</h3>

<p class="product-description">Aurelia Women's Striped Rayon Kurta Set with Culottes</p>

<span class="product-price">$250</span>

<button class="btn">Buy Now</button>

<button class="btn" onclick="addProduct({name: 'Aurelia Womens', price: 250.00, description: 'Aurelia Womens Striped Rayon Kurta Set with Culottes'})"> Add to Cart</button>

</div>

</div>

<div class="product-card">

<img src="product26.png" alt="Ethnic Motifs Straight Kurta">

<div class="product-info">

<h3 class="product-title">INDO ERA Women's</h3>

<p class="product-description">Cotton Blend Light Green Ethnic Motifs Straight Kurta Pant With Dupatta</p>

<span class="product-price">$200</span>

<button class="btn">Buy Now</button>

<button class="btn" onclick="addProduct({name: 'INDO ERA Womens', price: 200.00, description: 'Cotton Blend Light Green Ethnic Motifs Straight Kurta Pant With Dupatta'})"> Add to Cart</button>

</div>

</div>

<div class="product-card">

<img src="product27.png" alt="Viscose Embroidered Straight Kurta">

<div class="product-info">

<h3 class="product-title">Naixa Women's</h3>

<p class="product-description">Naixa Women's BSY Viscose Embroidered Straight Kurta with BSY Viscose Pant and Silk Blend Laced Dupatta Sets</p>

<span class="product-price">$190</span>

<button class="btn">Buy Now</button>

<button class="btn" onclick="addProduct({name: 'Naixa Womens', price: 50.00, description: 'Product Naixa Womens BSY Viscose Embroidered Straight Kurta with BSY Viscose Pant and Silk Blend Laced Dupatta Sets'})"> Add to Cart</button>

</div>

</div>

<div class="product-card">

<img src="product28.png" alt="GoSriKi Women's">

<div class="product-info">

<h3 class="product-title">NEWWomen's</h3>

<p class="product-description"> Georgette Three Piece Set</p>

<span class="product-price">$180</span>

<button class="btn">Buy Now</button>

<button class="btn" onclick="addProduct({name: 'Georgette Three Piece Set', price: 180.00, description: 'Georgette Three Piece Set'})"> Add to Cart</button>

</div>

</div>

<div class="product-card">

<img src="product29.png" alt="GoSriKi Women's Kurta with Palazzo">

<div class="product-info">

<h3 class="product-title">Gogari Women's</h3>

<p class="product-description">Three Piece Co-ordinate Set</p>

<span class="product-price">$170</span>

<button class="btn">Buy Now</button>

<button class="btn" onclick="addProduct({name: 'Three Piece Co-ordinate Set', price: 170.00, description: 'Three Piece Co-ordinate Set'})"> Add to Cart</button>

</div>

</div>

<div class="product-card">

<img src="product30.png" alt="GoSriKi Women's Kurta with Palazzo">

<div class="product-info">

<h3 class="product-title">GoSriKi Women's</h3>

<p class="product-description">Georgette Handwork Anarkali Set</p>

<span class="product-price">$160</span>

<button class="btn">Buy Now</button>

<button class="btn" onclick="addProduct({name: 'GoSriKi Womens', price: 160.00, description: 'Georgette Handwork Anarkali Set'})"> Add to Cart</button>

</div>

</div>

<div class="product-card">

<img src="product31.png" alt="GoSriKi Women's Kurta with Palazzo">

<div class="product-info">

<h3 class="product-title">GoSriKi Women's</h3>

<p class="product-description">GoSriKi Women's Kurta with Palazzo</p>

<span class="product-price">$150</span>

<button class="btn">Buy Now</button>

<button class="btn" onclick="addProduct({name: 'GoSriKi Womens', price: 150.00, description: 'GoSriKi Womens Kurta with Palazzo'})"> Add to Cart</button>

</div>

</div>

<div class="product-card">

<img src="product32.png" alt="GoSriKi Women's Kurta with Palazzo">

<div class="product-info">

<h3 class="product-title">INDO ERA Women's</h3>

<p class="product-description">Beige Three Piece Set</p>

<span class="product-price">$140</span>

<button class="btn">Buy Now</button>

<button class="btn" onclick="addProduct({name: 'INDO ERA Womens', price: 140.00, description: 'Beige Three Piece Set'})"> Add to Cart</button>

</div>

</div>

<div class="product-card">

<img src="product33.png" alt="Cotton Blend Printed Anarkali Kurta">

<div class="product-info">

<h3 class="product-title">GoSriKi Women's</h3>

<p class="product-description">Cotton Blend Printed Anarkali Kurta with Pant & Dupatta</p>

<span class="product-price">$130</span>

<button class="btn">Buy Now</button>

<button class="btn" onclick="addProduct({name: 'GoSriKi Womens', price: 130.00, description: 'Cotton Blend Printed Anarkali Kurta with Pant & Dupatta'})"> Add to Cart</button>

</div>

</div>

</div>

</div>

</section>

<!-- Call to Action Section -->

<section class="cta">

<div class="container">

<h2>Ready to Elevate Your Wardrobe?</h2>

<p>Don't miss out on our latest collection. Shop now and redefine your style!</p>

<a href="#shop" class="btn-secondary">Explore the Collection</a>

</div>

</section>

</section>

# WPAL Assignment No. 3

Kindly prepare the lab manual word file which must have following points:  
Problem Statement,   
Theory- all concept theory, syntax, example Algorithm  
Code  
Output screenshots  
Conclusion  
  
Kindly upload lab manual word file for the following problem statement:  
  
  
Use JavaScript to add interactivity, dynamic content, and functionality to websites, enabling responsive user experiences for **TrendyShe**:    
A. Develop cart functionality to allow users to add items, update quantities, and remove items.  
B. Save the cart data to local storage when items are added, updated, or removed. Retrieve and load the cart data from local storage when the page loads.

let cart2 = [];

const cartCount = document.querySelector('.cart-count');

function addProduct(prodDetails){

if(!cart2.find(e => e.name === prodDetails.name)) {

cart2.push(prodDetails);

cartCount.textContent=`(${cart2.length})`; //"(" + cart2.length +")"

console.log(cart2);

localStorage.setItem('cart2', JSON.stringify(cart2)); // save cart value (array of object) in a local storage

}

}

window.onload=function(){ //calls on page load

cart2 = [ ...JSON.parse(localStorage.getItem('cart2'))]; //get cart value from localstorage

cartCount.textContent=`(${cart2.length})`;

}

document.addEventListener("DOMContentLoaded", function () {

// Toggle the navbar menu visibility on mobile

document.querySelector(".menu-btn").addEventListener("click", function () {

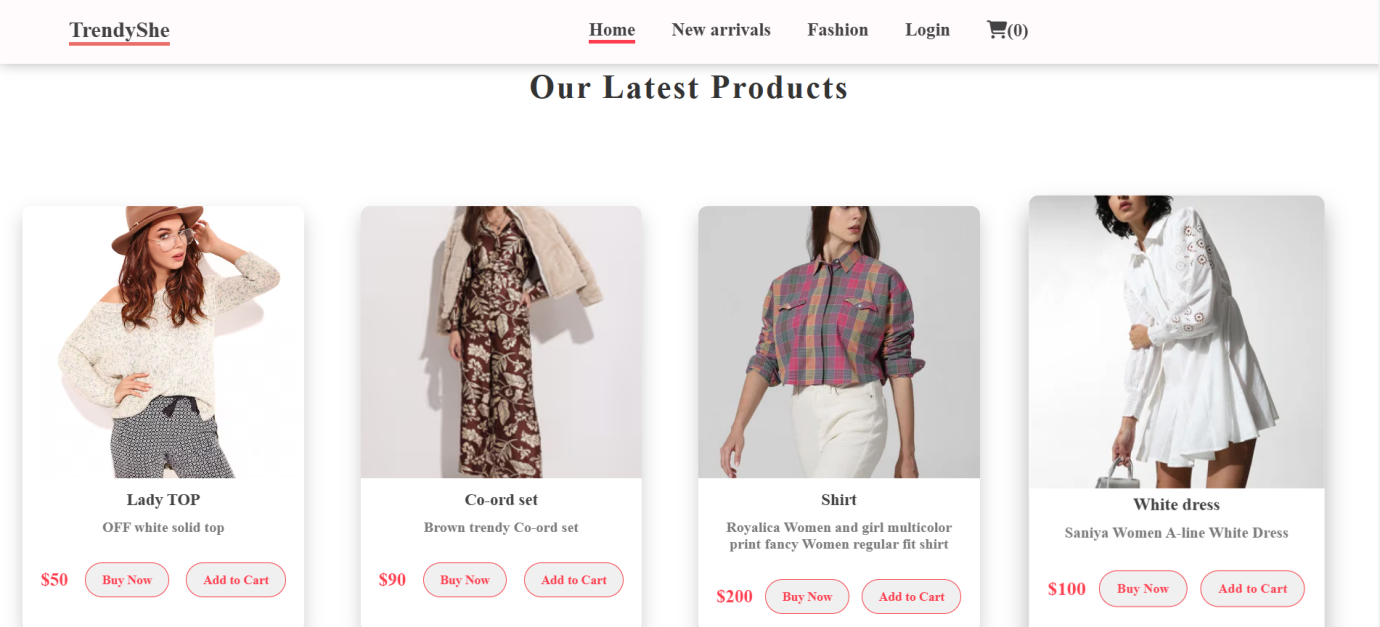
document.querySelector(".navbar .menu").classList.toggle("active");

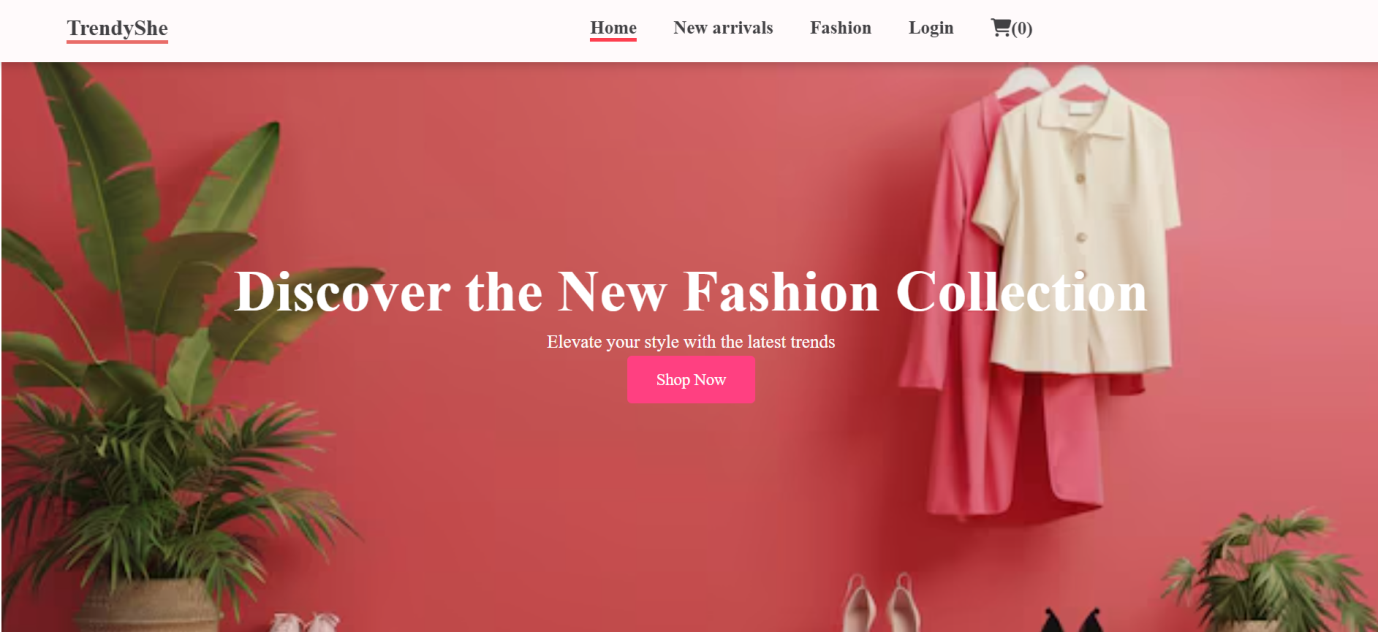
document.querySelector(".menu-btn i").classList.toggle("active");

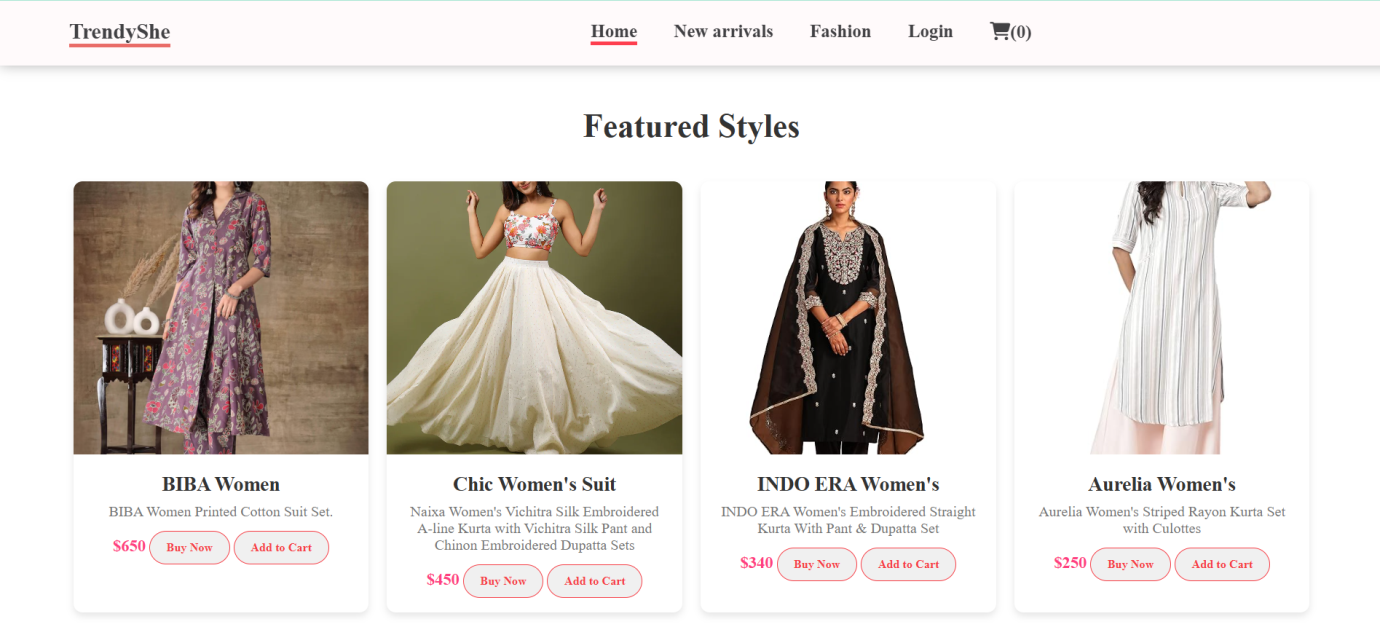
});

});

</script>







# WPAL Assignment No. 4

**Footer Explanation for TrendyShe Website**

The footer of the TrendyShe website is thoughtfully designed to provide essential information, streamline user interaction, and enhance brand engagement.

1. **Copyright Notice**
   * The footer includes a copyright statement to establish legal ownership of the website’s content.
   * A link to the TrendyShe homepage is embedded within the notice, subtly reinforcing brand identity and improving navigation.
2. **Contact Information**
   * A contact section allows users to reach TrendyShe quickly via email or phone.
   * This section uses interactive buttons, offering a direct and user-friendly way for visitors to communicate with the support team.
   * This feature ensures a seamless connection with users, catering to both customer service and general inquiries.
3. **Social Media Integration**
   * Prominent social media icons link to TrendyShe’s profiles on platforms like Facebook, Twitter, Instagram, and Pinterest.
   * These icons encourage users to engage with TrendyShe across various social channels, increasing the brand’s online visibility and interaction.
   * The social links help build a community around the brand, fostering a connection with customers beyond the website.

The footer serves as a multifunctional space, combining practical contact solutions with opportunities for engagement and brand reinforcement, ensuring a professional and user-centric approach.

</body>

</html>

<footer>

<p>Copyright &copy; <a href="#">TrendyShe</a></p>

<form class="contact-form" action="#" method="post">

<button type="button" onclick="window.location.href='mailto:info@trendyshe.com'">Email: info@trendyshe.com</button>

<button type="button" onclick="window.location.href='tel:+1234567890'">Phone: +1 234 567 890</button>

</form>

<div class="social-icons">

<a href="#"><i class="fab fa-facebook-f"></i></a>

<a href="#"><i class="fab fa-twitter"></i></a>

<a href="#"><i class="fab fa-instagram"></i></a>

<a href="#"><i class="fab fa-pinterest-p"></i></a>

</div>

</footer>

### **jQuery is the Right Choice for TrendyShe**

jQuery is particularly suited for TrendyShe due to its simplicity, versatility, and ability to enhance user interactions. It minimizes development complexity while delivering a modern, interactive experience for customers. The library's cross-browser support, efficiency, and adaptability make it indispensable for TrendyShe’s dynamic e-commerce platform.

Code:-

### Refactored JavaScript and jQuery Code

#### **1. Toggle Navbar Visibility**

##### **JavaScript:**

javascript

Copy code

document.addEventListener("DOMContentLoaded", function () {

// Toggle the navbar menu visibility on mobile

document.querySelector(".menu-btn").addEventListener("click", function () {

document.querySelector(".navbar .menu").classList.toggle("active");

document.querySelector(".menu-btn i").classList.toggle("active");

});

});

##### **jQuery:**

javascript

Copy code

$(document).ready(function () {

// Toggle the navbar menu visibility on mobile

$(".menu-btn").click(function () {

$(".navbar .menu").toggleClass("active");

$(".menu-btn i").toggleClass("active");

});

});

#### **2. Shopping Cart Functionality**

##### **JavaScript:**

javascript

Copy code

let cart2 = [];

const cartCount = document.querySelector('.cart-count');

// Function to add a product to the cart

function addProduct(prodDetails) {

if (!cart2.find(e => e.name === prodDetails.name)) {

cart2.push(prodDetails); // Add product if not already present

cartCount.textContent = `(${cart2.length})`; // Update cart count

console.log(cart2);

localStorage.setItem('cart2', JSON.stringify(cart2)); // Save cart data to localStorage

}

}

// Load cart data from localStorage on page load

window.onload = function () {

cart2 = [...JSON.parse(localStorage.getItem('cart2')) || []]; // Retrieve cart data

cartCount.textContent = `(${cart2.length})`; // Update cart count

};

##### **jQuery:**

javascript

Copy code

$(document).ready(function () {

let cart2 = JSON.parse(localStorage.getItem('cart2')) || []; // Initialize cart

const cartCount = $('.cart-count');

// Function to add a product to the cart

function addProduct(prodDetails) {

if (!cart2.some(e => e.name === prodDetails.name)) {

cart2.push(prodDetails); // Add product if not already present

cartCount.text(`(${cart2.length})`); // Update cart count

console.log(cart2);

localStorage.setItem('cart2', JSON.stringify(cart2)); // Save to localStorage

}

}

// Load cart data from localStorage on page load

cartCount.text(`(${cart2.length})`); // Update cart count on load

});

#### **3. Toggle Between Sign In and Sign Up Forms**

##### **JavaScript:**

javascript

Copy code

const signUpButton = document.getElementById('signUpButton');

const signInButton = document.getElementById('signInButton');

const signInForm = document.getElementById('signIn');

const signUpForm = document.getElementById('signup');

signUpButton.addEventListener('click', function (event) {

event.preventDefault(); // Prevent default form submission

signInForm.style.display = "none"; // Hide sign-in form

});

signInButton.addEventListener('click', function (event) {

event.preventDefault(); // Prevent default form submission

signInForm.style.display = "block"; // Show sign-in form

});

##### **jQuery:**

javascript

Copy code

$(document).ready(function () {

$('#signUpButton').click(function (event) {

event.preventDefault(); // Prevent default form submission

$('#signIn').hide(); // Hide sign-in form

});

$('#signInButton').click(function (event) {

event.preventDefault(); // Prevent default form submission

$('#signIn').show(); // Show sign-in form

});

});

#### **4. Render Cart and Manage Items**

##### **JavaScript:**

javascript

Copy code

let cart3 = JSON.parse(localStorage.getItem('cart2')) || []; // Initialize cart

// Function to render cart items

function renderCart() {

const cartProducts = document.querySelector('.cart-products');

const totalAmountElement = document.querySelector('.total-amount');

cartProducts.innerHTML = ''; // Clear existing cart display

let totalPrice = 0; // Initialize total price

if (cart3.length === 0) {

cartProducts.innerHTML = '<div class="no-items">Your cart is empty</div>';

} else {

cart3.forEach((el, index) => {

const cartItem = document.createElement('div');

cartItem.classList.add('cart-item');

// Item name

const itemName = document.createElement('h2');

itemName.textContent = el.name;

cartItem.appendChild(itemName);

// Item price

const itemPrice = document.createElement('p');

itemPrice.textContent = `$${el.price.toFixed(2)}`;

cartItem.appendChild(itemPrice);

// Remove button

const removeBtn = document.createElement('button');

removeBtn.textContent = 'Remove';

removeBtn.addEventListener('click', () => {

removeFromCart(index); // Remove item from cart

});

cartItem.appendChild(removeBtn);

cartProducts.appendChild(cartItem); // Append to cart

totalPrice += el.price; // Update total price

});

}

totalAmountElement.textContent = `$${totalPrice.toFixed(2)}`; // Update total amount

}

// Function to remove an item from the cart

function removeFromCart(index) {

cart3.splice(index, 1); // Remove item from cart array

localStorage.setItem('cart2', JSON.stringify(cart3)); // Update localStorage

renderCart(); // Re-render cart

}

// Initial render of the cart

renderCart();

##### **jQuery:**

javascript

Copy code

$(document).ready(function () {

let cart3 = JSON.parse(localStorage.getItem('cart2')) || []; // Initialize cart

// Function to render cart items

function renderCart() {

const cartProducts = $('.cart-products');

const totalAmountElement = $('.total-amount');

cartProducts.empty(); // Clear existing cart display

let totalPrice = 0; // Initialize total price

if (cart3.length === 0) {

cartProducts.html('<div class="no-items">Your cart is empty</div>');

} else {

cart3.forEach((el, index) => {

const cartItem = $('<div>').addClass('cart-item');

$('<h2>').text(el.name).appendTo(cartItem); // Item name

$('<p>').text(`$${el.price.toFixed(2)}`).appendTo(cartItem); // Item price

// Remove button

$('<button>')

.text('Remove')

.click(() => removeFromCart(index)) // Remove item

.appendTo(cartItem);

cartProducts.append(cartItem); // Append to cart

totalPrice += el.price; // Update total price

});

}

totalAmountElement.text(`$${totalPrice.toFixed(2)}`); // Update total amount

}

// Function to remove an item from the cart

function removeFromCart(index) {

cart3.splice(index, 1); // Remove item from cart array

localStorage.setItem('cart2', JSON.stringify(cart3)); // Update localStorage

renderCart(); // Re-render cart

}

// Initial render of the cart

renderCart();

});

### C:\Users\Admin\OneDrive\Pictures\Screenshots\Screenshot 2024-11-16 091413.png

# WPAL Assignment No. 5

Kindly prepare the lab manual word file which must have following points:  
Problem Statement,   
Theory- all concept theory, syntax, example Algorithm  
Code  
Output screenshots  
Conclusion  
  
Kindly upload lab manual word file for the following problem statement:  
  
  
Use jQuery to simplifie JavaScript programming by providing easy-to-use methods for DOM manipulation, event handling on websites.

The TrendyShe platform leverages jQuery as a tool to streamline development and enhance interactivity, ensuring a user-friendly and visually appealing website. The use of jQuery enables developers to deliver a rich browsing experience with minimal code complexity while maintaining consistency across all browsers. Below, the features, advantages, and impact of jQuery are explored in detail to outline its contribution to the TrendyShe platform.

#### **1. Introduction to jQuery in TrendyShe**

jQuery simplifies JavaScript programming by offering a library of pre-defined methods for common tasks. On TrendyShe, it plays a vital role in implementing dynamic and interactive features like responsive navigation, cart updates, and form handling, which are critical to enhancing user engagement.

Key benefits include:

* Simplification of repetitive and complex JavaScript tasks.
* Cross-browser compatibility to ensure a seamless user experience.
* Efficient development through reusable and modular code.

#### **2. Functional Areas of jQuery on TrendyShe**

##### **a. Dynamic User Interface (UI) Updates**

jQuery allows dynamic modification of webpage elements, ensuring real-time updates without requiring a full-page reload. This includes:

* Updating the cart content when items are added or removed.
* Adjusting navigation menus for responsiveness.
* Dynamically highlighting active sections in the navigation bar.

##### **b. Interactive Cart Functionality**

The shopping cart is a critical feature for any e-commerce website. jQuery facilitates:

* Adding products to the cart with instant updates to the cart summary.
* Removing items and reflecting the updated total in real time.
* Maintaining cart data consistency through the use of browser storage.

##### **c. Responsive Navigation**

To enhance accessibility, TrendyShe employs a collapsible navigation menu for mobile users:

* The menu dynamically toggles visibility based on user interactions.
* Smooth animations improve usability and add a professional touch.

##### **d. Form Handling**

Interactive forms are integral for contact, feedback, and checkout processes:

* jQuery improves the user experience by validating inputs dynamically.
* Error messages are displayed interactively, guiding users to provide correct information.
* Seamless submission processes enhance overall satisfaction.

#### **3. Advantages of Using jQuery on TrendyShe**

##### **a. Efficiency in Development**

jQuery’s concise syntax reduces the lines of code required for common functionalities, speeding up development time and simplifying debugging processes.

##### **b. Enhanced User Experience**

* Dynamic and responsive features keep the interface engaging.
* Immediate feedback on user actions, such as cart updates, improves usability.
* Smooth animations for menu toggles and content transitions create a polished appearance.

##### **c. Broad Compatibility**

* By abstracting browser-specific inconsistencies, jQuery ensures TrendyShe works reliably across major browsers like Chrome, Safari, Firefox, and Edge.

##### **d. Easy Integration**

jQuery integrates seamlessly with other libraries and tools, allowing developers to extend functionalities without conflicts.

#### **4. Impact of jQuery on TrendyShe**

##### **a. Improved Usability**

JQuery enables real-time interactions, such as adding products to the cart and displaying updated totals, which reduces friction in the user journey and enhances satisfaction.

##### **b. Mobile-Friendliness**

Responsive navigation menus powered by jQuery provide a smooth browsing experience for mobile users, ensuring TrendyShe remains accessible on all devices.

##### **c. User Engagement**

Interactive features like hover effects, dynamic highlights, and responsive buttons make the website more appealing, encouraging users to explore products and services further.

##### **d. Data Persistence**

By leveraging local storage in conjunction with jQuery, cart data is preserved across sessions, ensuring a seamless shopping experience for returning users.

#### **5. Specific Features Enhanced by jQuery**

##### **a. Navigation Menus**

* Mobile-friendly menus that slide in and out with animation.
* Highlighting of the current page in the navigation for better orientation.

##### **b. Shopping Cart**

* Instant updates to the cart summary with changes in quantity or items.
* Retention of cart data across browser sessions.

##### **c. Interactive Effects**

* Smooth animations for transitions, such as fade-ins and slide-outs.
* Hover effects on product listings to draw attention to specific items.

##### **d. Forms and User Feedback**

* Real-time validation of user input in contact or checkout forms.
* Interactive prompts and success messages to guide users through form completion.

#### **6. Footer Integration on TrendyShe**

The footer is designed to provide essential information and engage users:

* **Copyright Notice:** Includes ownership details and a link to the homepage to reinforce brand identity.
* **Contact Information:** Provides clickable links for email and phone, offering a direct line of communication.
* **Social Media Integration:** Features prominent links to TrendyShe’s social profiles, encouraging users to connect and engage on platforms like Instagram and Pinterest.

### CSS Styling (style.css)

\*{

margin: 0;

padding: 0;

font-family: serif;

}

body {

height: 100%;

}

html {

scroll-behavior: smooth;

}

/\*header\*/

.menu-btn {

color: #424144;

font-size: 23px;

cursor: pointer;

display: none;

}

.navbar {

padding: 20px 5%;

display: flex;

justify-content: center; /\* Center the content horizontally \*/

align-items: center;

position: fixed;

top: 0;

width: 100%;

z-index: 999;

background-color: #fffafb;

box-shadow: 0 0 14px rgba(0, 0, 0, 0.3);

}

.navbar .logo h1 {

color: #424144;

border-bottom: 4px solid #e96c68;

margin-right: auto; /\* Push logo to the left \*/

}

.navbar .menu {

display: flex;

justify-content: center; /\* Center menu items \*/

align-items: center;

flex-grow: 1; /\* Make the menu area flexible to take up available space \*/

}

.navbar .menu li {

list-style: none;

display: inline-block;

}

.navbar .menu li a {

display: block;

margin: 0 20px; /\* Add horizontal space between menu items \*/

color: #424144;

border-bottom: 4px solid transparent;

text-decoration: none;

font-size: 20px;

font-weight: bold;

}

.navbar .menu li .active {

border-bottom: 4px solid #fe3e4e;

}

.navbar .menu li a i {

color: #fe3e4e;

}

.navbar .menu li a:hover {

border-bottom: 4px solid #fe3e4e;

}

/\* Main content section \*/

.content {

background-image: url("background.png.jpg");

background-size: cover;

background-repeat: no-repeat;

padding: 0 5%;

display: flex;

flex-direction: column;

justify-content: center;

align-items: flex-start;

color: #424144;

height: 100vh;

animation: fadeIn 2s ease-in-out;

}

.content h1 {

font-size: 48px; /\* Slightly smaller than 50px for better proportion \*/

font-weight: bold; /\* Makes the heading more prominent \*/

color: #272121; /\* Darker tone for clarity \*/

letter-spacing: 0px; /\* Increased spacing for cleaner look \*/

opacity: 0;

animation: slideIn 1.5s ease-out forwards;

animation-delay: 0.5s;

text-shadow: 0 4px 6px rgba(0, 0, 0, 0.3); /\* Stronger shadow for a subtle 3D effect \*/

margin-bottom: 30px; /\* Creates more space below the heading \*/

text-align: center; /\* Center aligns the heading \*/

line-height: 0.1; /\* Improves readability by adding more space between lines \*/

}

/\* Paragraph styling \*/

.content h3 {

font-size: 24px; /\* More readable size for paragraph text \*/

font-weight: normal; /\* Regular font weight for contrast with heading \*/

color: #555; /\* Lighter shade for readability without overwhelming \*/

line-height: 0.1; /\* Improves readability by adding more space between lines \*/

letter-spacing: 0px; /\* Smoother letter spacing for paragraphs \*/

opacity: 0;

animation: slideIn 1.5s ease-out forwards;

animation-delay: 0.7s;

text-shadow: 0 2px 4px rgba(0, 0, 0, 0.15); /\* Slight shadow for visual appeal \*/

margin-top: 0;

margin-bottom: 40px; /\* Creates more space between paragraph and other elements \*/

text-align: center; /\* Center aligns the paragraph \*/

}

.content h2 {

font-weight: bold;

padding: 20px; /\* Adjusted padding for a smaller box \*/

border: 2px solid #fe3e4e; /\* Space after solid for readability \*/

background-color: #fffaf0;

border-radius: 10px; /\* Rounded corners \*/

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

box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1); /\* Subtle shadow for depth \*/

max-width: 500px; /\* Set a smaller max width \*/

margin: 20px 0; /\* Vertical margin to separate from other elements \*/

font-size: 1em; /\* Smaller font size \*/

}

/\* Button styling \*/

.content button {

margin-top: 40px;

padding: 15px 40px;

border: none;

background: #141313;

color: white;

font-size: 22px;

border-radius: 8px;

cursor: pointer;

opacity: 0;

animation: slideInUp 2s ease-out forwards;

animation-delay: 2s;

transition: background-color 0.3s ease, transform 0.3s ease;

}

.content button:hover {

background-color: #333;

transform: scale(1.05); /\* Adds a slight scaling effect on hover \*/

}

/\* Smooth scroll behavior \*/

html {

scroll-behavior: smooth;

}

/\* Scroll button \*/

.scroll-btn {

display: inline-block;

padding: 15px 30px;

margin-top: 20px;

font-size: 16px;

color: white;

background-color: #131212;

border: none;

border-radius: 50px;

text-decoration: none;

text-transform: uppercase;

letter-spacing: 2px;

transition: all 0.3s ease;

box-shadow: 0 6px 12px rgba(0, 0, 0, 0.2);

}

.scroll-btn:hover {

background-color:#fe3e4e;

box-shadow: 0 8px 16px rgba(0, 0, 0, 0.2);

transform: translateY(-2px);

}

/\* Section heading \*/

.pheading {

text-align: center;

margin: 80px 0; /\* Larger top and bottom margins for spacing \*/

color: #333; /\* Darker text for heading \*/

font-size: 36px; /\* Increased size \*/

font-weight: bold;

letter-spacing: 2px;

}

/\* Animations \*/

@keyframes logoSlideIn {

0% {

opacity: 0;

transform: translateY(-20px);

}

100% {

opacity: 1;

transform: translateY(0);

}

}

@keyframes fadeIn {

0% {

opacity: 0;

}

100% {

opacity: 1;

}

}

@keyframes slideIn {

0% {

opacity: 0;

transform: translateX(-100%);

}

100% {

opacity: 1;

transform: translateX(0);

}

}

@keyframes slideInUp {

0% {

opacity: 0;

transform: translateY(50px);

}

100% {

opacity: 1;

transform: translateY(0);

}

}

/\*product\*/

.sec {

padding: 10px 5px;

}

.products {

display: grid;

grid-template-columns: repeat(auto-fit, minmax(320px, 1fr));

gap: 20px;

padding: 20px;

}

.products .card {

width: 310px;

background: white;

box-shadow: 0 10px 20px rgba(0, 0, 0, 0.2);

border-radius: 10px;

overflow: hidden;

transform: scale(1);

transition: transform 0.3s ease, box-shadow 0.3s ease;

}

.products .card:hover {

transform: scale(1.05);

box-shadow: 0 15px 25px rgba(0, 0, 0, 0.3);

}

.products .card img {

height: 200px;

width: 100000%;

object-fit: contain;

transition: transform 0.3s ease;

}

.products .card:hover img {

transform: scale(1.125);

}

.products .card .title {

text-align: center;

font-weight: 700;

font-size: 18px;

color: #424144;

padding: 10px;

}

.products .card h3 {

text-align: center;

font-size: 16px;

color: #7a7a7a;

padding: 0 15px 10px;

}

.products .card .box {

display: flex;

justify-content: space-between;

align-items: center;

padding: 20px;

}

.products .card .price {

color: #fe3e4e;

font-size: 20px;

font-weight: bold;

}

/\*footer\*/

footer {

background-color: white;

height: 10vh;

}

footer p {

text-align: center;

line-height: 10vh;

}

footer p a {

text-decoration: none;

color: #fe3e4e;

font-weight: bold;

}

footer {

background-color: #333;

color: #fff;

text-align: center;

padding: 20px;

margin-top: 50px;

}

footer p {

margin: 5px 0;

}

footer a {

color: #ff4081;

text-decoration: none;

font-weight: bold;

}

footer .social-icons {

margin-top: 10px;

}

footer .social-icons a {

color: #fff;

margin: 0 10px;

font-size: 20px;

transition: color 0.3s;

}

footer .social-icons a:hover {

color: #ff4081;

}

@media (max-width: 820px) {

.menu-btn {

display: block;

z-index: 999;

}

.menu-btn i.active::before {

content: "\f00d";

}

.navbar .menu {

height: 100vh;

width: 100%;

left: -100%;

top: 0;

background-color: white;

text-align: center;

padding-top: 80px;

transition: all 0.3s ease;

}

.navbar .menu .active {

left: 0%;

}

.navbar .menu li {

display: flex;

justify-content: center;

}

.navbar .menu li a {

margin: 10px 0;

font-size: 25px;

}

}

/\* Hero Section \*/

.hero {

background-image: url('Fashion.png');

background-size: cover;

background-position: center;

height: 100vh;

display: flex;

align-items: center;

justify-content: center;

color: white;

text-align: center;

}

.hero-title {

font-size: 4rem; /\* Adjusted for responsiveness \*/

margin-bottom: 0.5rem;

}

.hero-subtitle {

font-size: 1.25rem; /\* Adjusted for responsiveness \*/

margin-bottom: 1.25rem;

}

.btn-primary {

background-color: #ff4081;

color: white;

padding: 1rem 2rem;

font-size: 1.125rem; /\* Adjusted for responsiveness \*/

border-radius: 5px;

text-decoration: none;

transition: background-color 0.3s ease;

}

.btn-primary:hover {

background-color: #e5376b;

}

/\* Content Section \*/

.content {

background-image: url("background.png.jpg");

background-size: cover;

background-repeat: no-repeat;

padding: 0 5%;

display: flex;

flex-direction: column;

justify-content: center;

align-items: flex-start;

color: #424144;

height: 100vh;

animation: fadeIn 2s ease-in-out;

}

.content h1 {

font-size: 2.5rem; /\* Adjusted for responsiveness \*/

opacity: 0;

animation: slideIn 1s ease-out forwards;

}

.content p {

font-size: 1.25rem; /\* Adjusted for responsiveness \*/

margin-top: 1.25rem;

opacity: 0;

animation: fadeInText 2s ease-out forwards;

animation-delay: 1s;

}

.content button {

margin-top: 1.875rem;

padding: 1rem 2rem;

border: none;

background: #141313;

color: white;

font-size: 1.25rem; /\* Adjusted for responsiveness \*/

border-radius: 5px;

cursor: pointer;

opacity: 0;

animation: slideInUp 1.5s ease-out forwards;

animation-delay: 2s;

}

.btn {

font-size: 13px;

color: #f63e46;

padding: 10px 18px;

font-weight: 900;

border: 1px solid #f63e46;

border-radius: 20px;

transition: background-color 0.3s ease, color 0.3s ease;

}

.btn:hover {

cursor: pointer;

background-color: #f63e4e;

color: white;

}

/\* Keyframes \*/

@keyframes fadeIn {

0% { opacity: 0; }

100% { opacity: 1; }

}

@keyframes slideIn {

0% { transform: translateX(-100%); opacity: 0; }

100% { transform: translateX(0); opacity: 1; }

}

@keyframes fadeInText {

0% { opacity: 0; }

100% { opacity: 1; }

}

@keyframes slideInUp {

0% { transform: translateY(50px); opacity: 0; }

100% { transform: translateY(0); opacity: 1; }

}

/\* Featured Products Section \*/

.featured-products {

background-color: #fff;

padding: 50px 5%;

}

.section-title {

text-align: center;

font-size: 2.25rem; /\* Adjusted for responsiveness \*/

margin-bottom: 2.5rem;

color: #333;

}

.products-grid {

display: grid;

grid-template-columns: repeat(auto-fit, minmax(280px, 1fr)); /\* Adjusted for responsiveness \*/

gap: 20px;

}

.product-card {

background-color: #fff;

border-radius: 10px;

box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);

overflow: hidden;

transition: transform 0.3s ease;

}

.product-card:hover {

transform: scale(1.05);

}

.product-card img {

width: 100%;

height: 100%;

object-fit: cover;

max-height: 300px; /\* Set max height for better image display \*/

}

.product-info {

padding: 1rem;

text-align: center;

}

.product-title {

font-size: 1.375rem; /\* Adjusted for responsiveness \*/

margin-bottom: 0.5rem;

color: #333;

}

.product-description {

font-size: 1rem; /\* Adjusted for responsiveness \*/

margin-bottom: 0.75rem;

color: #777;

}

.product-price {

font-size: 1.125rem; /\* Adjusted for responsiveness \*/

color: #ff4081;

font-weight: bold;

}

.btn-primary {

background-color: #ff4081;

color: white;

padding: 1rem 2rem;

font-size: 1.125rem; /\* Adjusted for responsiveness \*/

border-radius: 5px;

text-decoration: none;

transition: background-color 0.3s ease;

}

.btn-primary:hover {

background-color: #e5376b;

}

/\* Call to Action Section \*/

.cta {

background-color: #ff4081;

color: white;

padding: 10px 5%;

text-align: center;

}

.cta h2 {

font-size: 2.25rem; /\* Adjusted for responsiveness \*/

margin-bottom: 1.25rem;

}

.cta p {

font-size: 1.125rem; /\* Adjusted for responsiveness \*/

margin-bottom: 1.875rem;

}

/\* Product Card Styles \*/

.products {

display: grid;

grid-template-columns: repeat(auto-fit, minmax(280px, 1fr)); /\* Adjusted for responsiveness \*/

gap: 20px;

padding: 20px;

}

.products .card {

background: white;

box-shadow: 0 10px 20px rgba(0, 0, 0, 0.2);

border-radius: 10px;

overflow: hidden;

transition: transform 0.3s ease, box-shadow 0.3s ease;

}

.products .card:hover {

transform: scale(1.05);

box-shadow: 0 15px 25px rgba(0, 0, 0, 0.3);

}

.products .card img {

height: 300px; /\* Adjusted for better display \*/

width: 100%;

object-fit: cover;

transition: transform 0.3s ease;

}

.products .card:hover img {

transform: scale(1.05);

}

.products .card .title {

text-align: center;

font-weight: 700;

font-size: 1.125rem; /\* Adjusted for responsiveness \*/

color: #424144;

padding: 10px;

}

.products .card h3 {

text-align: center;

font-size: 1rem; /\* Adjusted for responsiveness \*/

color: #7a7a7a;

padding: 0 15px 10px;

}

.products .card .box {

display: flex;

justify-content: space-between;

align-items: center;

padding: 20px;

}

.products .card .price {

color: #fe3e4e;

font-size: 1.25rem; /\* Adjusted for responsiveness \*/

font-weight: bold;

}

.products .card .btn {

font-size: 0.875rem; /\* Adjusted for responsiveness \*/

color: #fe3e4e;

padding: 10px 18px;

font-weight: 900;

border: 1px solid #f63e46;

border-radius: 20px;

text-decoration: none;

transition: background-color 0.3s ease, color 0.3s ease;

}

.products .card .btn:hover {

background-color: #f63e4e;

color: white;

}

/\* Footer Styles \*/

footer {

background-color: #333;

color: white;

padding: 0.2px 3%;

text-align: center;

margin-top: 0.10px;

}

footer p {

margin: 10px 0;

}

.contact-form {

margin: 10px 0;

}

.contact-form button {

background-color: #444;

color: white;

border: none;

padding: 10px 20px;

margin: 5px;

cursor: pointer;

font-size: 16px;

transition: background-color 0.3s ease, color 0.3s ease;

}

.contact-form button:hover {

background-color: #ff4081;

color: white;

}

footer .social-icons a {

color: white;

margin: 0 10px;

font-size: 24px;

transition: color 0.3s ease;

}

footer .social-icons a:hover {

color: #ff4081;

}

### php Styling (style.css)(login.php)

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Register & Login</title>

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.5.1/css/all.min.css">

</head>

<body>

<!-- Sign In Form -->

<div class="container" id="signIn">

<h1 class="form-title">Sign In</h1>

<form method="post" action="login.php">

<div class="input-group">

<i class="fas fa-envelope"></i>

<input type="email" name="email" id="email" placeholder="Email" required>

<label for="email">Email</label>

</div>

<div class="input-group">

<i class="fas fa-lock"></i>

<input type="password" name="password" id="password" placeholder="Password" required>

<label for="password">Password</label>

</div>

<input type="submit" class="btn" value="Sign In" name="signIn">

</form>

<p class="or">----------or--------</p>

<div class="icons">

<i class="fab fa-google"></i>

<i class="fab fa-facebook"></i>

</div>

<div class="links">

<p>Don't have an account yet?</p>

<a href="regtry.php">Signup</a>

</div>

</div>

<style>

\* {

margin: 0;

padding: 0;

box-sizing: border-box;

font-family: "Poppins", sans-serif;

}

body {

background-color: #ff4081;

background: linear-gradient(to right, #e2e2e2, #ff4081);

}

.container {

background: #fff;

width: 450px;

padding: 1.5rem;

margin: 50px auto;

border-radius: 10px;

box-shadow: 0 20px 35px rgba(0, 0, 1, 0.9);

}

form {

margin: 0 2rem;

}

.form-title {

font-size: 1.5rem;

font-weight: bold;

text-align: center;

padding: 1.3rem;

margin-bottom: 0.4rem;

}

input {

color: inherit;

width: 100%;

background-color: transparent;

border: none;

border-bottom: 1px solid #757575;

padding-left: 1.5rem;

font-size: 15px;

}

.input-group {

padding: 1% 0;

position: relative;

}

.input-group i {

position: absolute;

color: black;

}

input:focus {

background-color: transparent;

outline: transparent;

border-bottom: 2px solid hsl(327, 90%, 28%);

}

input::placeholder {

color: transparent;

}

label {

color: #757575;

position: relative;

left: 1.2em;

top: -1.3em;

cursor: auto;

transition: 0.3s ease all;

}

input:focus~label, input:not(:placeholder-shown)~label {

top: -3em;

color: hsl(327, 90%, 28%);

font-size: 15px;

}

.recover {

text-align: right;

font-size: 1rem;

margin-bottom: 1rem;

}

.recover a {

text-decoration: none;

color: rgb(125, 125, 235);

}

.recover a:hover {

color: rgb(132, 72, 119);

text-decoration: underline;

}

.btn {

font-size: 1.1rem;

padding: 8px 0;

border-radius: 5px;

outline: none;

border: none;

width: 100%;

background: rgb(235, 125, 230);

color: white;

cursor: pointer;

transition: 0.9s;

}

.btn:hover {

background: #07001f;

}

.or {

font-size: 1.1rem;

margin-top: 0.5rem;

text-align: center;

}

.icons {

text-align: center;

}

.icons i {

color: rgb(125, 125, 235);

padding: 0.8rem 1.5rem;

border-radius: 10px;

font-size: 1.5rem;

cursor: pointer;

border: 2px solid #dfe9f5;

margin: 0 15px;

transition: 1s;

}

.icons i:hover {

background: #07001f;

font-size: 1.6rem;

border: 2px solid rgb(125, 125, 235);

}

.links {

display: flex;

justify-content: space-around;

padding: 0 4rem;

margin-top: 0.9rem;

font-weight: bold;

}

button {

color: rgb(125, 125, 235);

border: none;

background-color: transparent;

font-size: 1rem;

font-weight: bold;

}

button:hover {

text-decoration: underline;

color: rgb(174, 90, 167);

}

</style>

<script>

const signUpButton = document.getElementById('signUpButton');

const signInButton = document.getElementById('signInButton');

const signInForm = document.getElementById('signIn');

const signUpForm = document.getElementById('signup');

signUpButton.addEventListener('click', function (event) {

event.preventDefault();  // Prevent form submission

signInForm.style.display = "none";

});

signInButton.addEventListener('click', function (event) {

event.preventDefault();  // Prevent form submission

signInForm.style.display = "block";

});

</script>

<?php

if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

// Retrieve form data

$firstName = isset($\_POST['FirstName']) ? $\_POST['FirstName'] : null;

$lastName = isset($\_POST['lastName']) ? $\_POST['lastName'] : null;

$email = isset($\_POST['email']) ? $\_POST['email'] : null;

$password = isset($\_POST['password']) ? $\_POST['password'] : null;

// Validate inputs

if (empty($firstName) || empty($lastName) || empty($email) || empty($password)) {

}

// Hash the password

$hashedPassword = password\_hash($password, PASSWORD\_BCRYPT);

// Database connection details

$host = "localhost";

$user = "mahimakela";

$pass = "ma@2815@2815";

$db = "login";

// Create a database connection

$conn = new mysqli($host, $user, $pass, $db);

// Check connection

if ($conn->connect\_error) {

die("Connection failed: " . $conn->connect\_error);

}

// Use prepared statement to insert data

$stmt = $conn->prepare("INSERT INTO users (FirstName, lastName, email, password) VALUES (?, ?, ?, ?)");

$stmt->bind\_param("ssss", $firstName, $lastName, $email, $hashedPassword);

if (empty($firstName) || empty($lastName) || empty($email) || empty($password)) {

echo "<script>alert('All fields are required.'); window.location.href = 'index.php';</script>";

exit();

}

// Close statement and connection

$stmt->close();

$conn->close();

}

?>

</body>

</html>

**HTML Structure**

1. **Document Setup**:
   * The document is declared as HTML5 using <!DOCTYPE html>.
   * The page's language is set to English with lang="en".
   * meta charset="UTF-8" ensures proper encoding, and meta name="viewport" makes the page responsive.
   * The title of the page is "Register & Login".
   * The Font Awesome library is included for icons (e.g., for Google and Facebook login).
2. **Sign In Form**:
   * The form is wrapped in a .container div and identified with id="signIn".
   * **Title**: The form displays "Sign In" as a header (h1).
   * **Input Fields**:
     + Two input fields for **Email** and **Password** are provided, each having an associated Font Awesome icon.
     + Each input has a placeholder and a corresponding label (Email and Password). The form ensures both fields are required before submission.
   * **Submit Button**: A button is provided for the user to submit their login information.
   * **Alternative Sign In Options**:
     + The form includes options for signing in with Google or Facebook, represented by respective icons.
     + A "Sign Up" link is included for users who don't yet have an account.
     + A "Forgot Password?" option is also available for account recovery.
3. **CSS Styling**:
   * **Global Styles**:
     + Universal margin, padding, and box-sizing reset are applied for consistency.
     + The body has a gradient background, transitioning from a light gray (#e2e2e2) to a pink color (#ff4081).
   * **Form Styling**:
     + .container: The form container is styled with a white background, rounded corners, padding, and a subtle shadow effect.
     + **Form Fields**:
       - The input fields have a transparent background and a border that changes color when focused.
       - Labels are positioned above the input fields and move up on focus or when text is entered.
       - The form fields have a consistent design with a clean and modern feel.
     + **Buttons**:
       - The submit button (Sign In) has a smooth color transition on hover.
     + **Icons**:
       - The icons for Google and Facebook are styled with padding, borders, and a hover effect to make them interactive.
     + **Responsive Flexbox Layout**:
       - Links and icons are positioned using flexbox for responsive design.
     + **Text Styling**:
       - The .or text and various link elements are centered or styled with bold text for emphasis.
4. **JavaScript**:
   * **Sign Up and Sign In Toggle**:
     + Event listeners are added to toggle between the Sign Up and Sign In forms.
     + Clicking the Sign Up button hides the Sign In form, and clicking the Sign In button shows the Sign In form.
     + This allows for a dynamic switch between the forms on the same page (if the Sign Up form existed in the page, which isn't present in this code).
   * **Form Submission Prevention**:
     + The event listener prevents the default form submission behavior, making it possible to toggle the visibility of the forms.

**PHP Functionality**

1. **Form Submission**:
   * The PHP code is executed when the form is submitted using the POST method.
   * The action="login.php" in the form tag indicates that the form data will be sent to login.php for processing.
   * **Data Retrieval**:
     + The form data (first name, last name, email, and password) is fetched from the POST request using $\_POST.
2. **Validation**:
   * **Empty Field Check**:
     + If any of the fields (First Name, Last Name, Email, or Password) are empty, the code performs no actions but does not submit the form (this needs improvement to provide feedback to the user).
3. **Password Hashing**:
   * The user's password is hashed using password\_hash() with the PASSWORD\_BCRYPT algorithm before storing it in the database. This ensures the password is stored securely.
4. **Database Connection**:
   * The PHP script connects to a MySQL database using the mysqli extension, with hardcoded credentials for the database (localhost, mahimakela, ma@2815@2815, login).
   * A connection object $conn is created to interact with the database.
   * The connection is checked for errors using $conn->connect\_error. If the connection fails, an error message is displayed.
5. **Prepared Statements**:
   * A prepared statement is used to insert the user's data into the users table in the database.
   * The data (First Name, Last Name, Email, and Password) is bound to placeholders (?) using $stmt->bind\_param("ssss", $firstName, $lastName, $email, $hashedPassword).
   * This prevents SQL injection attacks by ensuring that user inputs are safely handled.
6. **Error Handling**:
   * If any required fields are missing, an alert message is shown to the user with JavaScript (All fields are required.), but the script seems incomplete because it doesn't halt further execution in the event of an empty field check.
   * The form is redirected back to index.php for the user to correct their entries.
7. **Closing Database Resources**:
   * The statement ($stmt) and the database connection ($conn) are closed at the end of the script to free up resources.

**Security Measures**

1. **Password Hashing**:
   * Passwords are hashed using password\_hash() to ensure that even if the database is compromised, passwords are not stored in plain text.
2. **Prepared Statements**:
   * Prepared statements protect against SQL injection by separating SQL logic from user input.

**User Experience**

* The login form is clear and straightforward, providing a user-friendly experience with modern interactive design elements.
* Users are given the option to sign in using third-party services like Google or Facebook, which could streamline the login process.
* A "Forgot Password?" option and a link to the sign-up page enhance the user's ability to recover or create an account easily.

**Output:-**

## C:\Users\Admin\OneDrive\Pictures\Screenshots\Screenshot 2024-11-19 120924.png

## Registration :

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Register</title>

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.5.1/css/all.min.css">

<style>

\* {

margin: 0;

padding: 0;

box-sizing: border-box;

font-family: "Poppins", sans-serif;

}

body {

background-color: #ff4081;

background: linear-gradient(to right, #e2e2e2, #ff4081);

}

.container {

background: #fff;

width: 450px;

padding: 1.5rem;

margin: 50px auto;

border-radius: 10px;

box-shadow: 0 20px 35px rgba(0, 0, 1, 0.9);

}

form {

margin: 0 2rem;

}

.form-title {

font-size: 1.5rem;

font-weight: bold;

text-align: center;

padding: 1.3rem;

margin-bottom: 0.4rem;

}

input {

color: inherit;

width: 100%;

background-color: transparent;

border: none;

border-bottom: 1px solid #757575;

padding-left: 1.5rem;

font-size: 15px;

}

.input-group {

padding: 1% 0;

position: relative;

}

.input-group i {

position: absolute;

color: black;

}

input:focus {

background-color: transparent;

outline: transparent;

border-bottom: 2px solid hsl(327, 90%, 28%);

}

input::placeholder {

color: transparent;

}

label {

color: #757575;

position: relative;

left: 1.2em;

top: -1.3em;

cursor: auto;

transition: 0.3s ease all;

}

input:focus~label, input:not(:placeholder-shown)~label {

top: -3em;

color: hsl(327, 90%, 28%);

font-size: 15px;

}

.btn {

font-size: 1.1rem;

padding: 8px 0;

border-radius: 5px;

outline: none;

border: none;

width: 100%;

background: rgb(235, 125, 230);

color: white;

cursor: pointer;

transition: 0.9s;

}

.btn:hover {

background: #07001f;

}

</style>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Register</title>

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.5.1/css/all.min.css">

</head>

<body>

<div class="container" id="signup">

<h1 class="form-title">Register</h1>

<form method="post" action="regtry.php">

<div class="input-group">

<i class="fas fa-user"></i>

<input type="text" name="FirstName" id="FirstName" placeholder="First Name" required>

<label for="fName">First Name</label>

</div>

<div class="input-group">

<i class="fas fa-user"></i>

<input type="text" name="lastName" id="lastName" placeholder="Last Name" required>

<label for="lName">Last Name</label>

</div>

<div class="input-group">

<i class="fas fa-envelope"></i>

<input type="email" name="email" id="email" placeholder="Email" required>

<label for="email">Email</label>

</div>

<div class="input-group">

<i class="fas fa-lock"></i>

<input type="password" name="password" id="password" placeholder="Password" required>

<label for="password">Password</label>

</div>

<input type="submit" class="btn" value="Sign Up" name="signUp">

</form>

</div>

</body>

</html>

<?php

if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

// Retrieve form data

$firstName = isset($\_POST['FirstName']) ? $\_POST['FirstName'] : null;

$lastName = isset($\_POST['lastName']) ? $\_POST['lastName'] : null;

$email = isset($\_POST['email']) ? $\_POST['email'] : null;

$password = isset($\_POST['password']) ? $\_POST['password'] : null;

// Validate inputs

if (empty($FirstName) || empty($lastName) || empty($email) || empty($password)) {

die("All fields are required.");

}

// Hash the password

$hashedPassword = password\_hash($password, PASSWORD\_BCRYPT);

// Database connection details

$host = "localhost";

$user = "mahimakela";

$pass = "ma@2815@2815";

$db = "login";

// Create a database connection

$conn = new mysqli($host, $user, $pass, $db);

// Check connection

if ($conn->connect\_error) {

die("Connection failed: " . $conn->connect\_error);

}

// Use prepared statement to insert data

$stmt = $conn->prepare("INSERT INTO users (FirstName, lastName, email, password) VALUES (?, ?, ?, ?)");

$stmt->bind\_param("ssss", $FirstName, $lastName, $email, $hashedPassword);

if ($stmt->execute()) {

// Display a success message and redirect to index.php

echo "<script>

alert('Registration successful! Thank you for signing up.');

window.location.href = 'index.php';

</script>";

} else {

echo "Error: " . $stmt->error;

}

// Close statement and connection

$stmt->close();

$conn->close();

}

?>

</head>

<body>

**Explanation of the Registration Form Code**

**HTML Structure**

1. **Document Setup**:
   * The document is defined as HTML5 using <!DOCTYPE html>.
   * Language is set to English (lang="en"), and the viewport is optimized for responsive design with meta viewport.
   * Title: "Register" is specified in the <title> tag.
2. **Container**:
   * A centered container (.container) is styled with a white background, rounded corners, and shadow effects to enhance its appearance.
   * The form header displays "Register" as the title.
3. **Form Elements**:
   * Inputs for **First Name**, **Last Name**, **Email**, and **Password** are included.
   * Each input field is wrapped in an .input-group, including a placeholder, label, and an accompanying icon for better visual context.
   * A submit button (Sign Up) styled with hover effects completes the form.
4. **Styling (CSS)**:
   * **Background**: A gradient background enhances visual appeal.
   * **Input Fields**: Animated labels move upward on focus or when text is entered, and active fields are highlighted with a distinct color.
   * **Button**: A transition effect changes the button's background on hover.
   * **Responsive Design**: Styling is consistent across devices with the use of scalable units and responsive elements.

**PHP Functionality**

1. **Form Submission**:
   * The form uses the POST method to send data to regtry.php.
2. **Data Retrieval**:
   * Form data is captured using $\_POST. Variables like $firstName, $lastName, $email, and $password are initialized from the submitted input.
3. **Validation**:
   * Ensures all fields are filled; otherwise, an error message is displayed using die().
4. **Password Hashing**:
   * The password is hashed using password\_hash with PASSWORD\_BCRYPT for secure storage.
5. **Database Connection**:
   * Connection details (host, user, password, database) are defined and used to connect to a MySQL database.
   * A mysqli object is created for connection. If the connection fails, an error message is displayed.
6. **Prepared Statement for Security**:
   * A prepared statement is used to safely insert data into the database, preventing SQL injection attacks.
   * User inputs are bound to placeholders using bind\_param.
7. **Execution and Feedback**:
   * If the data is successfully inserted, an alert informs the user of successful registration, and the user is redirected to index.php.
   * If insertion fails, the error is displayed.
8. **Closing Connections**:
   * The statement and database connection are explicitly closed to release resources.

**Security Measures**

1. **Input Validation**: Ensures no field is left empty.
2. **Password Hashing**: Protects sensitive data using password\_hash.
3. **Prepared Statements**: Prevent SQL injection attacks by sanitizing inputs.

**User Experience**

* The interface is designed for clarity and simplicity, ensuring an intuitive registration process.
* Real-time animations and hover effects enhance interactivity, while backend processing ensures data security and efficient handling.

## Output:-

## 

## Card php :

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Cart</title>

<style>

body {

background-image: url('cardback.png');

background-repeat: no-repeat;

background-size: cover;

font-family: 'Arial', sans-serif;

padding: 20px;

color: #333;

margin: 0;

}

h1 {

text-align: center;

color: #333;

font-size: 2rem; /\* Reduced font size for a cleaner look \*/

margin-bottom: 1.5rem; /\* Adjusted for tighter spacing \*/

}

.cart-container {

max-width: 600px; /\* Reduced max width for a more compact design \*/

margin: 0 auto;

background-color: rgba(255, 255, 255, 0.95);

padding: 2rem; /\* Maintained padding for consistency \*/

border-radius: 0.75rem; /\* Slightly smaller border radius \*/

box-shadow: 0 0.25rem 0.5rem rgba(0, 0, 0, 0.1); /\* Subtle shadow for depth \*/

}

.cart-item {

display: flex;

justify-content: space-between;

align-items: center;

padding: 1rem 0; /\* Reduced padding for a more compact item \*/

border-bottom: 1px solid #e0e0e0;

}

.cart-item:last-child {

border-bottom: none; /\* No border on last item \*/

}

.cart-item h2 {

font-size: 1.25rem; /\* Smaller font for item name \*/

color: #444;

margin: 0;

flex: 3;

}

.cart-item p {

font-size: 1rem; /\* Smaller font for price \*/

color: #666;

margin: 0;

flex: 1;

text-align: right;

}

.cart-item button {

background-color: #ff4c4c;

color: white;

border: none;

padding: 0.5rem 0.75rem; /\* Smaller button size \*/

border-radius: 0.5rem; /\* Slightly rounded corners \*/

cursor: pointer;

transition: background-color 0.3s ease;

font-size: 0.9rem; /\* Smaller button font \*/

}

.cart-item button:hover {

background-color: #ff0000; /\* Maintained hover color \*/

}

.total {

display: flex;

justify-content: space-between;

align-items: center;

font-size: 1.25rem; /\* Reduced size for cleaner look \*/

color: #333;

margin-top: 2rem; /\* Adjusted spacing above total \*/

border-top: 2px solid #e0e0e0;

padding-top: 1rem;

}

.no-items {

text-align: center;

color: #777;

font-size: 1.25rem; /\* Adjusted for better balance \*/

padding: 2rem; /\* Reduced padding for a more compact display \*/

}

/\* Responsive Design \*/

@media (max-width: 768px) {

.cart-container {

padding: 1.5rem; /\* Adjust padding for smaller screens \*/

}

.cart-item h2 {

font-size: 1.1rem; /\* Smaller headings for mobile \*/

}

.cart-item p {

font-size: 0.9rem; /\* Smaller price font for mobile \*/

}

.cart-item button {

padding: 0.4rem 0.6rem; /\* Adjust button size \*/

font-size: 0.8rem; /\* Maintain button font size \*/

}

.total {

font-size: 1.1rem; /\* Responsive total font size \*/

}

}

</style>

</head>

<body>

<h1>Your Cart</h1>

<div class="cart-container">

<div class="cart-products"></div>

<!-- Total Price Display -->

<div class="total">

<span>Total Cart Amount:</span>

<span class="total-amount">$0</span>

</div>

</div>

<script>

// Check if cart exists in local storage, otherwise initialize an empty array

let cart3 = JSON.parse(localStorage.getItem('cart2')) || [];

// Function to render the cart items

function renderCart() {

const cartProducts = document.querySelector('.cart-products');

const totalAmountElement = document.querySelector('.total-amount');

// Clear current cart display

cartProducts.innerHTML = '';

// Initialize total price

let totalPrice = 0;

if (cart3.length === 0) {

cartProducts.innerHTML = '<div class="no-items">Your cart is empty</div>';

} else {

// Loop through cart items and display them

cart3.forEach((el, index) => {

const cartItem = document.createElement('div');

cartItem.classList.add('cart-item');

// Item name

const itemName = document.createElement('h2');

itemName.textContent = el.name;

cartItem.appendChild(itemName);

// Price per unit

const itemPrice = document.createElement('p');

itemPrice.textContent = '$' + el.price.toFixed(2);

cartItem.appendChild(itemPrice);

// Remove button

const removeBtn = document.createElement('button');

removeBtn.textContent = 'Remove';

removeBtn.addEventListener('click', () => {

removeFromCart(index); // Call function to remove item

});

cartItem.appendChild(removeBtn);

// Append to cart container

cartProducts.appendChild(cartItem);

// Update total price based on quantity

totalPrice += el.price;

});

}

// Display total amount

totalAmountElement.textContent = '$' + totalPrice.toFixed(2);

}

// Function to remove an item from the cart

function removeFromCart(index) {

cart3.splice(index, 1); // Remove item from array

localStorage.setItem('cart2', JSON.stringify(cart3)); // Update local storage

renderCart(); // Re-render the cart

}

// Initial render

renderCart();

</script>

<?php

// Database connection details

$host = "localhost";

$user = "mahimakela";

$pass = "ma@2815@2815";

$db = "login";

// Create a database connection

$conn = new mysqli($host, $user, $pass, $db);

// Check connection

if ($conn->connect\_error) {

die("Connection failed: " . $conn->connect\_error);

}

// Check if form data is submitted

if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

$product\_name = $\_POST['product\_name'];

$product\_price = $\_POST['product\_price'];

// Insert query

$sql = "INSERT INTO card (name, price) VALUES ('$product\_name', '$product\_price')";

// Execute the query and check for success

if ($conn->query($sql) === TRUE) {

echo "Product added to cart successfully!";

} else {

echo "Error: " . $sql . "<br>" . $conn->error;

}

}

// Close the database connection

$conn->close();

?>

</body>

</html>

#### 1. HTML Structure

* The document is defined as HTML5 using the <!DOCTYPE html> declaration.
* Language is set to English using lang="en".
* A <head> section includes metadata, styles, and the page title: "Cart".
* The <body> section contains the visible elements of the page:
  + **Header (<h1>)**: Displays the title "Your Cart".
  + **Cart Container**: Contains the product list (cart-products) and the total price display (total).

**2. CSS Styling**

* **Background and Font Styling**:
  + A background image (cardback.png) covers the body, with a clean font style applied.
  + Colors and paddings are adjusted for a balanced and visually appealing look.
* **Cart Layout**:
  + A container (cart-container) is styled with padding, border-radius, and a shadow for a card-like appearance.
  + Individual cart items (cart-item) are displayed using flexbox for alignment of name, price, and buttons.
* **Responsive Design**:
  + Media queries ensure the layout adapts well to smaller screens by adjusting font sizes and padding.

**3. JavaScript Functionalities**

* **Cart Initialization**:
  + Data is retrieved from local storage (cart2) or initialized as an empty array.
* **Render Function**:
  + Dynamically generates cart items and calculates the total price.
  + If the cart is empty, a message "Your cart is empty" is displayed.
* **Remove Functionality**:
  + A "Remove" button for each cart item allows users to delete items, which updates the local storage and re-renders the cart.

**4. PHP Integration**

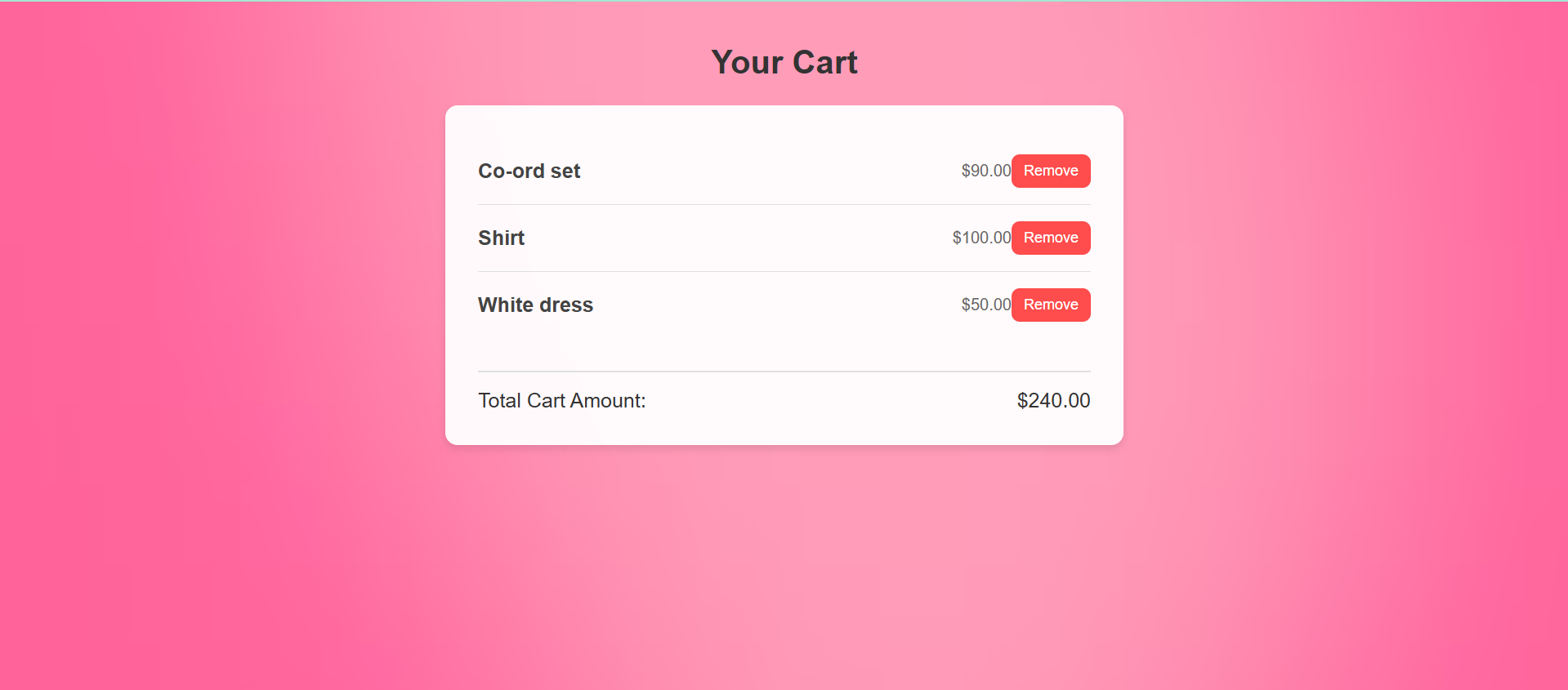
* **Database Connection**:
  + Connects to a MySQL database (login) using the provided credentials ($host, $user, $pass, $db).
* **Data Insertion**:
  + If the form is submitted, the product's name and price are inserted into the card table in the database using an SQL query.
* **Error Handling**:
  + Checks for successful database connection and SQL execution, displaying relevant success or error messages.
* **Connection Closure**:
  + The database connection is closed at the end to release resources.

**6. Overall Functionality Flow**

1. **Retrieve Data**: Cart data is loaded from local storage.
2. **Render Cart**: JavaScript dynamically displays cart items and calculates the total price.
3. **Remove Item**: A button allows users to remove items, updating both the cart display and local storage.
4. **Database Interaction**: PHP handles adding new products to the database if a form is submitted.

This structure ensures an interactive and user-friendly shopping cart system integrated with database functionality.

## Output Screenshot



# WPAL Assignment No. 6

Kindly prepare the lab manual word file which must have following points:  
Problem Statement,   
Theory- all concept theory, syntax, example Algorithm  
Code  
Output screenshots  
Conclusion  
  
Kindly upload lab manual word file for the following problem statement:  
  
Use PHP server-side scripting language to process and generate dynamic content on websites, such as handling form data and interacting with databases MySQL).  
A. Create a database table users Implement PHP code to handle user registration.  
B. Implement PHP code to handle user login.  
C. Create a MySQL table orders Implement PHP code to insert order details into the orders table upon form submission.  
D. Design a coffee shop application form with following Also create the database for the mentioned fields. Write a script to add and display the items.

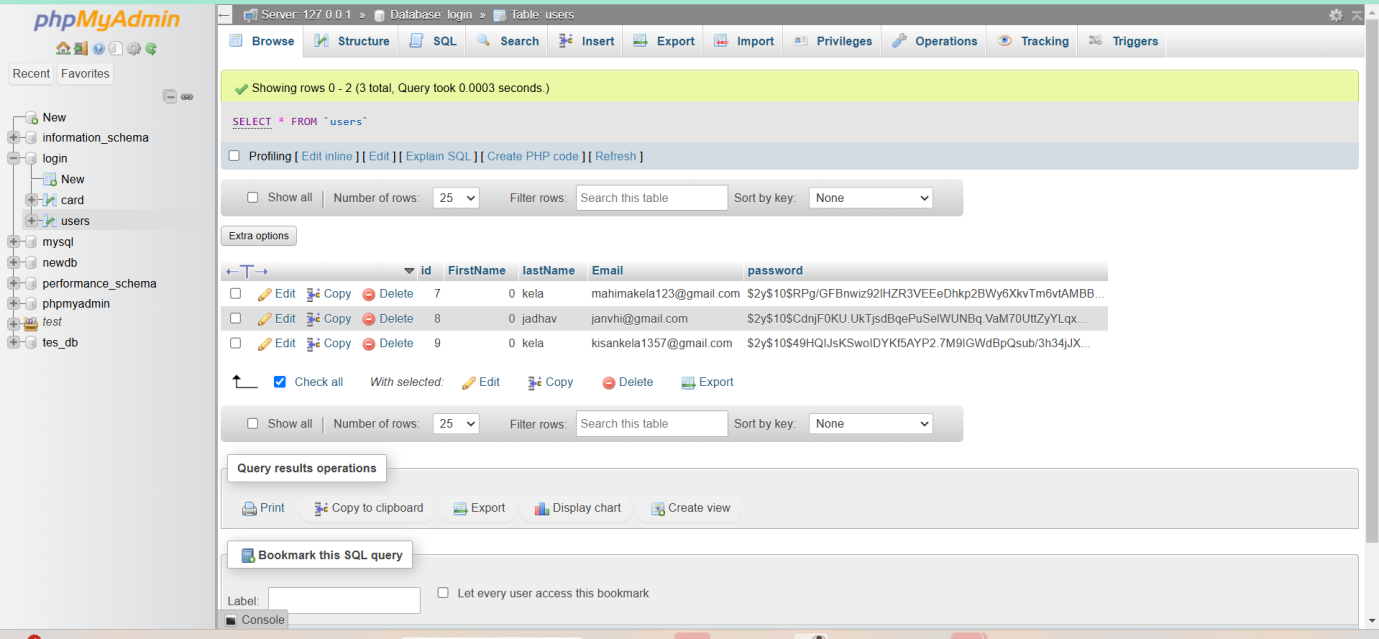
**MySQL databases:-**

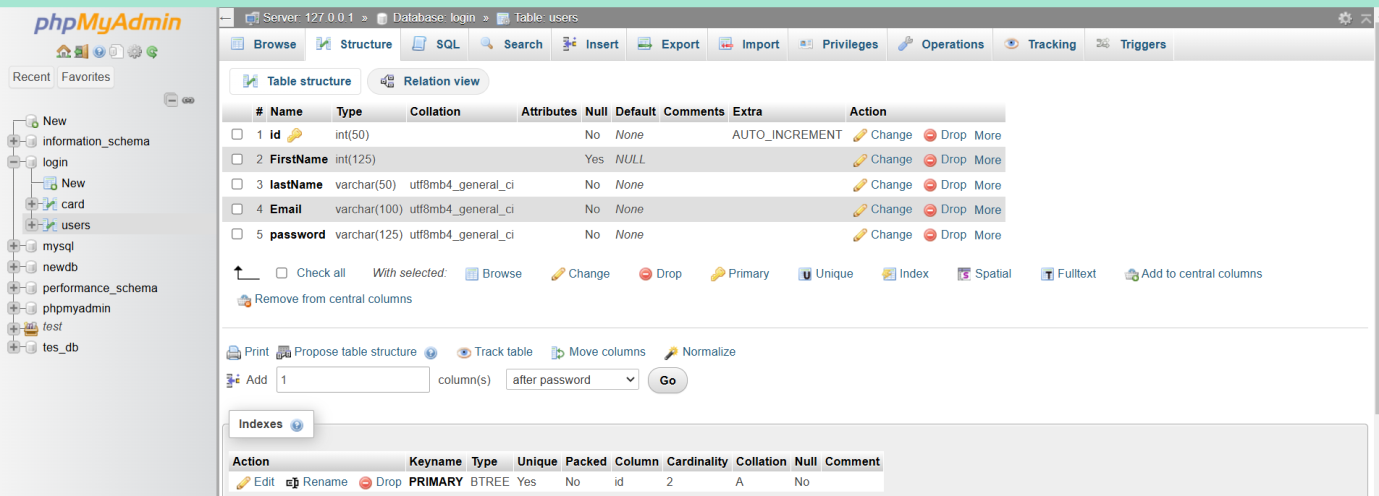
**Screenshot 1: Users Table (First Version)**

1. **Database Name**: login.
2. **Table Name**: users.
3. **Columns**:
   * **FirstName** (varchar(50)): Stores the first name of a user.
   * **lastName** (varchar(50)): Stores the last name of a user.
   * **Email** (varchar(50)): Stores the user's email address.
   * **password** (varchar(50)): Stores the user's password.
4. **Attributes**:
   * No column has attributes like AUTO\_INCREMENT or PRIMARY KEY.
   * All columns are set to NOT NULL.
5. **Indexes**: None defined.
6. **Structure**:
   * The table has no unique identifier, such as a PRIMARY KEY.

**Screenshot 2: Users Table (Second Version)**

1. **Database Name**: login.
2. **Table Name**: users.
3. **Columns**:
   * **id** (int(50)): A unique identifier for each user, marked as PRIMARY KEY and set to AUTO\_INCREMENT. This ensures every record in the table has a unique ID.
   * **FirstName** (int(125)): Changed from varchar(50) to int(125). This seems unusual for a column storing names, as int is typically used for numerical values.
   * **lastName** (varchar(50)): No change from the previous screenshot.
   * **Email** (varchar(100)): The column length was increased from 50 to 100.
   * **password** (varchar(125)): The column length was increased from 50 to 125.
4. **Attributes**:
   * The id column is set as PRIMARY KEY and AUTO\_INCREMENT.
   * The FirstName column allows NULL values (optional field), unlike the first version.
5. **Indexes**:
   * A PRIMARY index is created for the id column.





**Key Features of the Design**

**1. Responsive Design**

* The design ensures seamless functionality and visual consistency across all devices, ranging from desktops to smartphones and tablets.
* Media queries dynamically adjust the layout, font sizes, and image scaling based on the screen size, providing an optimized viewing experience for users regardless of their device.
* Flexible layouts and responsive elements ensure that the website remains user-friendly and visually appealing, enhancing accessibility and reducing bounce rates.

**2. Interactive Elements**

* Interactive features, such as hover effects and smooth transitions, create a dynamic browsing experience that captivates users and encourages engagement.
* Button animations and feedback cues (e.g., color changes or slight enlargements on hover) guide users effortlessly through key actions, such as adding items to the cart or navigating product categories.
* These elements not only improve usability but also make the platform feel more alive and intuitive, boosting overall satisfaction.

**3. CSS Grid and Flexbox**

* Modern layout techniques like CSS Grid and Flexbox are used to craft organized, grid-based designs for product displays and page structures.
* These methods ensure precise alignment and consistent spacing, making content visually appealing and easy to navigate.
* The flexibility of these tools allows for the creation of complex layouts that adjust seamlessly to different screen sizes, enhancing the platform’s responsiveness and usability.

**4. Custom Animations**

* Keyframe animations bring motion and depth to the site through fade-ins, slide-ins, and content reveals, adding a professional yet engaging touch to the browsing experience.
* For instance, product images can gracefully appear as users scroll, creating a polished and modern aesthetic.
* These animations are carefully designed to maintain a balance between visual appeal and performance, ensuring a smooth user experience without unnecessary distractions.

**5. Enhanced Forms**

* User input forms, such as those on the contact page or checkout process, are designed with both style and usability in mind.
* Clear labels, spacious input fields, and well-placed dynamic feedback for errors or completions ensure a smooth and inviting interaction for users.
* Subtle animations, such as highlighting fields on focus, improve the user experience by providing visual cues and enhancing accessibility.

**Conclusion:**

**TrendyShe - A Seamless Fusion of User-Centric Design and Cutting-Edge Web Development**

In conclusion, the TrendyShe platform sets a new standard for e-commerce websites by seamlessly integrating innovative navigation features and modern design principles. By focusing on usability and providing an aesthetically pleasing experience, TrendyShe not only enhances the shopping journey but also builds a strong connection with its users. With elements like sticky headers, breadcrumb trails, and well-placed call-to-action buttons, the site ensures effortless navigation, making it easier for customers to find what they need.

Ultimately, TrendyShe exemplifies the powerful synergy between design and functionality, demonstrating the transformative impact of well-executed HTML and CSS , java script in crafting an engaging and functional platform.

WPAL Assignment No. 7

This lab assignment aims to help students understand website performance metrics and user behavior through Google Analytics (GA). Students will analyze key performance indicators (KPIs) and derive insights from data to recommend improvements for a fictional e-commerce website.  
  
  
You will study the website performance and user interactions for any fictional e-commerce site. Your task is to analyze provided data scenarios to identify trends in user behavior and performance metrics, and to suggest strategies for optimizing the website based on your learnings.  
**Tasks:**  
  
Refer/search video (provided by google) and supplemental materials that explain the fundamentals of Google Analytics, including metrics like users, sessions, bounce rates, and conversion tracking.  
  
  
Review provided sample data sets related to chosen e-commerce site. Focus on key metrics such as:

* Total users and sessions.
* Average session duration and bounce rate.
* Sources of traffic (organic, paid, referral, social).

Analyze which pages receive the most traffic and how users engage with these pages. Identify any patterns in the data, such as peak traffic times or user drop-off points.  
  
  
Investigate user demographics (age, gender, location) and interests based on the sample data.  
Examine user flow to understand typical navigation paths and identify potential barriers to conversion.  
  
  
Create a report summarizing your findings, including:

* Key performance metrics and observed trends.
* Identification of high-performing versus low-performing pages.
* Insights into user demographics and behavior patterns.
* Recommendations for enhancing user engagement and conversion rates.

**Deliverables:**

* A detailed report that outlines your analysis and actionable insights.
* A presentation that highlights key findings and suggestions.

**Website Performance Analysis with Google Analytics**

**Objective**

This lab assignment is designed to provide students with a comprehensive understanding of website performance metrics and user behavior using Google Analytics (GA). Through practical application, students will learn how to analyze key performance indicators (KPIs), identify trends in user interactions, and develop actionable strategies to enhance a fictional e-commerce website's effectiveness and conversion rates.

The assignment emphasizes real-world applications of Google Analytics, enabling students to make data-driven decisions that are vital in website management and optimization.

**Learning Outcomes**

By completing this assignment, students will:

1. **Understand Google Analytics Fundamentals**:
   * Gain proficiency in core metrics such as users, sessions, bounce rates, and conversions.
   * Develop the ability to interpret data to measure website success and identify areas for improvement.
2. **Analyse and Evaluate Website Performance**:
   * Use sample datasets to track traffic sources, engagement patterns, and user demographics.
   * Assess how users interact with different pages and navigate through the website.
3. **Develop Data-Driven Recommendations**:
   * Translate insights from analytics into actionable strategies for website optimization.
   * Focus on improving user engagement, minimizing bounce rates, and boosting conversion rates.

**Tasks in Detail**

**1. Study Google Analytics Fundamentals**

* **Research**:
  + Utilize official Google-provided videos, tutorials, and supplemental guides to understand the core concepts of Google Analytics.
  + Explore advanced features like goals, events, and funnels to monitor user actions and track conversion paths effectively.
* **Key Metrics to Understand**:
  + **Users**: Distinguish between new and returning visitors to evaluate user retention.
  + **Sessions**: Analyze overall activity on the site, including repeat visits.
  + **Bounce Rate**: Identify issues causing users to leave the website without interaction.
  + **Conversion Tracking**: Learn to set up and measure conversions (e.g., purchases, sign-ups).

**2. Data Analysis with Sample Datasets**

Students will analyze provided sample datasets to evaluate the following:

* **Traffic Metrics**:
  + **Total Users and Sessions**: Understand traffic volume and engagement trends over time.
  + **Average Session Duration**: Measure the quality of user interaction and identify areas to improve engagement.
  + **Bounce Rate**: Determine where users exit the site and explore potential causes.
* **Traffic Sources**:
  + Break down traffic by source (organic, paid, referral, and social).
  + Identify which channels drive the most traffic and how effectively they contribute to conversions.
* **Engagement Metrics**:
  + Evaluate which pages receive the most traffic and user engagement.
  + Understand navigation paths and identify drop-off points where users leave the site.

**3. Behavioral and Demographic Analysis**

* **User Demographics**:
  + Use data to analyze user characteristics such as age, gender, and location.
  + Assess whether the website aligns with the target audience’s preferences.
* **User Flow and Navigation**:
  + Track typical navigation paths using user flow reports.
  + Identify barriers that may prevent users from completing desired actions (e.g., complex checkout processes).
* **Behavior Patterns**:
  + Detect peak traffic times to schedule campaigns or updates strategically.
  + Analyze user interests to enhance content relevancy and product recommendations.

**Report Creation**

**1. Key Metrics and Trends**

* Summarize the overall performance of the website by highlighting:
  + Total traffic and sessions.
  + Average session duration and bounce rate.
  + High-traffic and low-traffic pages.

**2. Insights on User Behavior**

* Identify how users engage with specific pages and uncover behavior trends.
* Highlight the most popular entry points, exit points, and conversion paths.

**3. Recommendations**

Based on data analysis, students will recommend strategies such as:

* Reducing bounce rates by improving landing page content or navigation.
* Optimizing underperforming pages with better CTAs or faster load times.
* Enhancing conversion rates by simplifying checkout processes or targeting high-value demographics.

**Deliverables**

**1. Comprehensive Report**

A detailed report should include:

1. **Key Performance Metrics**: Summarize data insights, including user interactions, page engagement, and traffic sources.
2. **High-Performing vs. Low-Performing Pages**: Highlight areas of success and potential improvement.
3. **Demographic and Behavioral Insights**: Analyze user demographics and preferences.
4. **Recommendations**: Offer data-driven strategies for improving engagement and conversions.

**2. Visual Presentation**

Students will create a visually engaging presentation that:

* Highlights findings with charts, graphs, and infographics.
* Provides clear and actionable recommendations.
* Summarizes key insights in an easily digestible format.

**Example Recommendations for Optimization**

* **Improve Engagement**:
  + Enhance landing page design with compelling visuals and copy.
  + Incorporate multimedia elements (e.g., videos, images) to increase session duration.
* **Boost Conversions**:
  + Simplify the navigation structure to improve usability.
  + Offer personalized product recommendations based on user behavior and interests.
* **Reduce Bounce Rates**:
  + Optimize page load times and ensure mobile responsiveness.
  + Conduct A/B testing for headlines, CTAs, and layout designs.
* **Leverage Traffic Sources**:
  + Invest in the highest-performing acquisition channels (e.g., paid ads or organic search).
  + Create targeted campaigns for underperforming sources, such as referral or social traffic.

**Conclusion**

This lab assignment equips students with the skills to leverage Google Analytics for data-driven decision-making in website management. By analyzing user behavior, demographics, and performance metrics, students can identify actionable insights to optimize an e-commerce platform. These learnings will help them develop a comprehensive understanding of digital analytics, preparing them to tackle real-world challenges in website optimization and user engagement.

### ****Conclusion of**** TrendyShe ****Website****

The **TrendyShe** website exemplifies the seamless fusion of functionality, style, and user-centric design, providing a comprehensive platform tailored to modern women. With its intuitive navigation, engaging interactive elements, and aesthetically pleasing layouts, the website delivers a superior shopping experience that is both aspirational and accessible.

By leveraging features like responsive design, organized product displays using CSS Grid and Flexbox, and interactive buttons with real-time cart updates, **TrendyShe** ensures ease of use and a visually appealing interface. The incorporation of animations, such as smooth transitions and hover effects, enhances the overall browsing experience while maintaining a professional and sleek aesthetic.

Additionally, thoughtful design choices—like highlighting new arrivals, featuring curated collections, and integrating demographic insights—address user needs effectively, making **TrendyShe** more than just an e-commerce platform. It transforms into a destination for fashion inspiration and self-expression.

The website's ability to engage users through its intuitive shopping cart, seamless mobile adaptation, and visually rich product showcases sets it apart as a benchmark for modern e-commerce solutions. Overall, **TrendyShe** is not just a platform for shopping; it’s an experience that celebrates individuality, confidence, and elegance for women everywhere.