INTRODUCTION

we believe that dining is more than just a meal — it's a journey of taste, comfort, and connection. Nestled in the heart of city,our restaurant is a culinary haven where fresh ingredients, skilled chefs, and warm hospitality come together to create something truly special.

Our menu is a celebration of [Cuisine Type, e.g., Mediterranean, Indian, Continental] flavors — thoughtfully curated to offer a balance of traditional favorites and contemporary creations. Every dish is prepared with passion, using the highest quality ingredients sourced locally whenever possible. From mouthwatering appetizers and handcrafted mains to decadent desserts and signature beverages, there's something to delight every palate.

PROBLEM SPECIFICATION

The restaurant currently lacks an online presence or has an outdated website that does not adequately represent its brand, menu, or services. As a result, potential customers are unable to view the menu online, make reservations conveniently, or find key information about the restaurant's location, hours, and events. This limits customer reach, reduces engagement, and may result in lost business opportunities.

Key Issues to Address:

- 1. Lack of Online Visibility: No or poor presence on the web, leading to decreased brand awareness.
- 2. Menu Accessibility: Customers cannot view updated menus, special offers, or dietary options.
- 3. Reservation Challenges: No online reservation system leads to inconvenience for users and staff.

BACKGROUND AND RELATED WORK

Restaurant websites play a vital role in enhancing customer engagement by providing essential features such as menus, reservations, and online ordering. Existing platforms like Zomato and Domino's showcase best practices in usability, responsive design, and mobile optimization. Prior research emphasizes the importance of user-friendly interfaces, SEO, and integration with social media. This project builds on these concepts to develop a modern, functional, and accessible restaurant website tailored to user needs.

• Login to the system through the first page of the application.

- New student registration after logging into the system.
- View/change his/her details..
- Can get help through the help option to view different features of the system.
- Admin login should be present who can read as well as remove any uploads.

SCOPE

This project focuses on designing and developing a responsive restaurant website that includes key features such as a digital menu, table reservation system, contact information, location map, and an online ordering interface. The website will be optimized for both desktop and mobile users, ensuring accessibility and a seamless user experience. It will also include social media integration and a simple admin panel for content updates.

GOALS

1. Enhance Online Presence

Build a professional, attractive, and branded website to establish a strong digital identity and reach a wider audience.

2. Showcase Menu and Offerings

Display a clear, visually appealing menu with descriptions, pricing, images, and dietary information (e.g., vegetarian, gluten-free).

3. Enable Online Reservations and Orders

Provide a seamless system for customers to book tables or place online orders (if available

-), improving convenience and service efficiency
- .4. Improve Customer Engagement Integrate social media feeds, customer reviews, newsletter sign-ups, and blog/event updates to create stronger connections with guests.

5. Provide Essential Information

Clearly display location, contact details, hours of operation, parking info, and a map to help customers easily find and contact the restaurant.

6. Create a Mobile-Responsive Experience

Ensure the website works smoothly on smartphones, tablets, and desktops for accessibility across all devices.

PROPOSED SYSTEM

- **O** It is automated computerized web based software system.
- O It uses technologies like HTMLAnd CSS
- **O** It is easy to operate.
- Attractive User Interface.

OVERVIEW

The restaurant website is designed to showcase [Restaurant Name]'s menu, ambiance, and

services online. It will provide essential information like location, hours, and contact details, while allowing customers to make reservations or place orders easily. The site will be mobile-friendly, visually appealing, and optimized for search engines to boost visibility and customer engagement.

Overall Description:

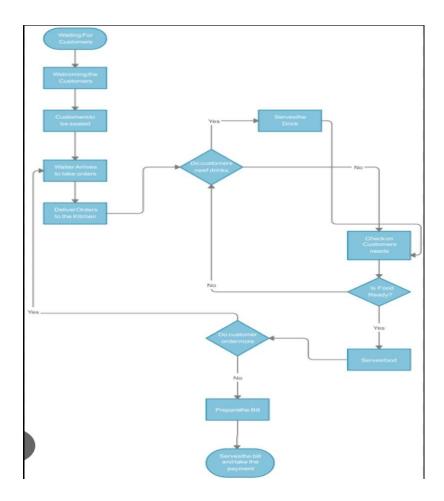
The official website for [Restaurant Name] offers a seamless online experience, showcasing our menu, atmosphere, and services. Visitors can easily access important details like location, hours, and contact information, as well as make reservations or place orders. Designed to be mobile-responsive and user-friendly, the site reflects our brand and enhances customer engagement.

Specific Requirements:

The restaurant website should be mobile-friendly and easy to navigate, featuring a detailed menu with pricing and dietary information. It must include an online reservation system, secure payment options, and clear contact details. SEO optimization is essential for local visibility, and a CMS will allow easy

content updates. The site should showcase the restaurant's ambiance and dishes through a photo gallery and integrate social media links for engagement.

FLOW CHART



STUDENT VIEW FUNCTIONALITY:

Registration and Login System:

This will enable the system to display personalized information when the user logs in and certain information, such as name and address, to be added to each application automatically. Giving each student a specific ID will also allow a user to apply to a number of courses, while giving the system a way to prevent unnecessary duplication of applications.

Update Details:

Applicants, admissions staff and tutors will all have the ability to update their personal details at any time. Applicants, however, will also be able to update their application details. After the user has confirmed the update, an e-mail is dispatched with the original and new details as

confirmation. The only time an application will be locked for editing will be when it has been submitted to a tutor for review, after which point the application will no longer be accessible by the user.

FRAME WORK OF HTML

Index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Chimn's Restaurant - Login</title>
  <link rel="stylesheet" href="styles.css">
  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.0.0/css/all.min.css">
</head>
<body>
  <nav class="navbar">
    <div class="logo">
      <i class="fas fa-utensils"></i>
      <span>Chimn's Restaurant
    </div>
    <div class="nav-links">
      <a href="register.html" class="register-link">
        <i class="fas fa-user-plus"></i>
        Register
      </a>
    </div>
  </nav>
  <div class="login-container">
    <div class="login-image">
      <div class="overlay">
        <h1>Welcome to Chimn's Restaurant</h1>
        <h2>Experience Fine Dining</h2>
        Login to access our exclusive menu and make reservations
      </div>
    </div>
    <div class="form-container">
      <div class="form-header">
        <i class="fas fa-user-circle"></i>
        <h1>Login</h1>
        Welcome back! Please login to your account
      </div>
      <form id="loginForm">
```

```
<div class="form-group">
 <label for="email">
    <i class="fas fa-envelope"></i>
    Email Address
 </label>
 <input type="email" id="email" name="email" required>
</div>
<div class="form-group">
 <label for="password">
    <i class="fas fa-lock"></i>
    Password
 </label>
 <div class="password-input">
    <input type="password" id="password" name="password" required>
    <i class="fas fa-eye toggle-password"></i>
 </div>
</div>
<div class="form-options">
 <label class="remember-me">
    <input type="checkbox" id="remember" name="remember">
    Remember me
 </label>
 <a href="#" class="forgot-password">Forgot Password?</a>
</div>
<button type="submit" class="btn">
 <i class="fas fa-sign-in-alt"></i>
 Login
</button>
<div class="social-login">
 Or login with
 <div class="social-buttons">
    <button type="button" class="social-btn google">
      <i class="fab fa-google"></i>
    </button>
    <button type="button" class="social-btn facebook">
      <i class="fab fa-facebook-f"></i>
    </button>
    <button type="button" class="social-btn twitter">
      <i class="fab fa-twitter"></i>
    </button>
 </div>
</div>
```

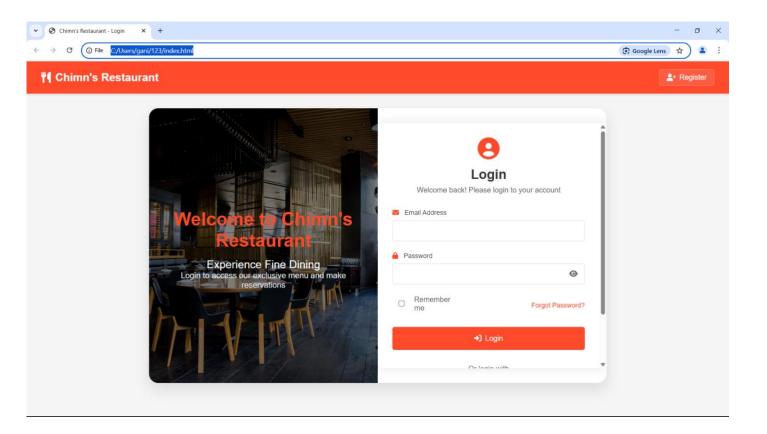
Register.html

```
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Chimn's Restaurant - Register</title>
  <link rel="stylesheet" href="styles.css">
  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.15.4/css/all.min.css">
</head>
<body>
  <nav class="navbar">
    <div class="logo">
      <i class="fas fa-utensils"></i>
      Chimn's Restaurant
    </div>
    <div class="nav-links">
      <a href="register.html" class="register-link active">
        <i class="fas fa-user-plus"></i> Register
      </a>
      <button class="login-btn" onclick="window.location.href='index.html"">
        <i class="fas fa-sign-in-alt"></i> Login
      </button><!DOCTYPE html>
    </div>
  </nav>
  <div class="login-container">
    <div class="login-image">
      <div class="overlay">
        <h2>Welcome to</h2>
        <h1>Chimn's Restaurant</h1>
        Join us for an amazing dining experience
      </div>
    </div>
```

```
<div class="form-container">
  <div class="form-header">
    <i class="fas fa-user-plus"></i>
    <h1>Create Account</h1>
    Please fill in your details to register
  </div>
  <form id="registerForm">
    <div class="form-row">
      <div class="form-group">
        <label for="firstName">
          <i class="fas fa-user"></i>
          First Name
        </label>
        <input type="text" id="firstName" name="firstName" placeholder="Enter your first name" required>
      </div>
      <div class="form-group">
        <label for="lastName">
          <i class="fas fa-user"></i>
          Last Name
        </label>
        <input type="text" id="lastName" name="lastName" placeholder="Enter your last name" required>
      </div>
    </div>
    <div class="form-group">
      <label for="email">
        <i class="fas fa-envelope"></i>
        Email Address
      </label>
      <input type="email" id="email" name="email" placeholder="Enter your email" required>
    </div>
    <div class="form-group">
      <label for="phone">
        <i class="fas fa-phone"></i>
        Phone Number
      </label>
      <input type="tel" id="phone" name="phone" placeholder="Enter your phone number" required>
    </div>
    <div class="form-group">
      <label for="password">
        <i class="fas fa-lock"></i>
        Password
      </label>
      <div class="password-input">
        <input type="password" id="password" name="password" placeholder="Create a password" required>
        <i class="fas fa-eye toggle-password"></i>
      </div>
```

```
</div>
        <div class="form-group">
          <label for="confirmPassword">
            <i class="fas fa-lock"></i>
            Confirm Password
          </label>
          <div class="password-input">
            <input type="password" id="confirmPassword" name="confirmPassword" placeholder="Confirm your
password" required>
            <i class="fas fa-eye toggle-password"></i>
          </div>
        </div>
        <div class="form-options">
          <label class="terms-checkbox">
            <input type="checkbox" id="terms" required>
            <span>I agree to the <a href="#" class="terms-link">Terms & Conditions</a></span>
          </label>
        </div>
        <button type="submit" class="btn">
          <i class="fas fa-user-plus"></i>
          Create Account
        </button>
        <div class="social-login">
          Or register with
          <div class="social-buttons">
            <button type="button" class="social-btn google">
              <i class="fab fa-google"></i>
            </button>
            <button type="button" class="social-btn facebook">
              <i class="fab fa-facebook-f"></i>
            </button>
            <button type="button" class="social-btn twitter">
              <i class="fab fa-twitter"></i>
            </button>
          </div>
        </div>
        Already have an account? <a href="index.html">Sign In</a>
        </form>
    </div>
  </div>
  <script src="script.js"></script>
</body>
</html>
```

Output:



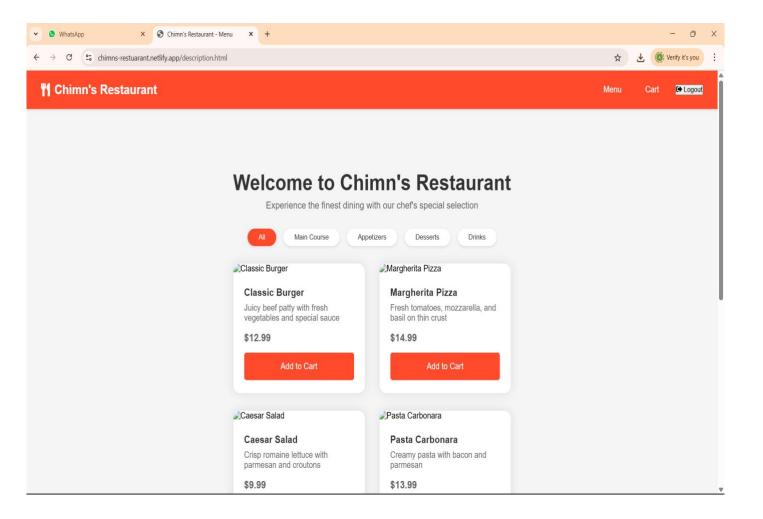
Description.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Chimn's Restaurant - Menu</title>
  <link rel="stylesheet" href="styles.css">
  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-</pre>
awesome/5.15.4/css/all.min.css">
</head>
<body>
  <nav class="navbar">
    <div class="logo">
      <i class="fas fa-utensils"></i>
      Chimn's Restaurant
    </div>
    <div class="nav-links">
      <a href="#menu" class="active">Menu</a>
      <a href="#cart">Cart</a>
```

```
<button class="logout-btn" onclick="logout()">
      <i class="fas fa-sign-out-alt"></i> Logout
    </button>
  </div>
</nav>
<div class="container">
  <div class="menu-header">
    <h1>Welcome to Chimn's Restaurant</h1>
    Experience the finest dining with our chef's special selection
  </div>
  <div class="menu-categories">
    <button class="category-btn active" onclick="filterMenu('all')">All</button>
    <button class="category-btn" onclick="filterMenu('main')">Main Course</button>
    <button class="category-btn" onclick="filterMenu('appetizer')">Appetizers</button>
    <button class="category-btn" onclick="filterMenu('dessert')">Desserts</button>
    <button class="category-btn" onclick="filterMenu('drinks')">Drinks</button>
  </div>
  <div class="menu-grid" id="menuGrid">
    <!-- Menu items will be dynamically added here -->
  </div>
  <div class="cart-summary" id="cartSummary">
    <h2><i class="fas fa-shopping-cart"></i> Your Order</h2>
    <div id="cartItems">
      <!-- Cart items will be dynamically added here -->
    </div>
    <div class="cart-totals">
      <div class="total-row">
        <span>Subtotal:</span>
        <span id="subtotal">$0.00</span>
      </div>
      <div class="total-row">
        <span>Tax (10%):</span>
        <span id="tax">$0.00</span>
      </div>
      <div class="total-row grand-total">
        <span>Total:</span>
```

```
<span id="totalAmount">$0.00</span>
        </div>
      </div>
      <button class="btn proceed-btn" onclick="proceedToPayment()">
        <i class="fas fa-credit-card"></i> Proceed to Payment
      </button>
    </div>
  </div>
  <footer class="footer">
    <div class="footer-content">
      <div class="footer-section">
        <h3>Contact Us</h3>
        <i class="fas fa-phone"></i> (555) 123-4567
        <i class="fas fa-envelope"></i> info@chimnsrestaurant.com
      </div>
      <div class="footer-section">
        <h3>Opening Hours</h3>
        Monday - Friday: 11:00 AM - 10:00 PM
        Saturday - Sunday: 10:00 AM - 11:00 PM
      </div>
    </div>
  </footer>
 <script src="script.js"></script>
</body>
</html>
```

Output:



Payment.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Chimn's Restaurant - Payment</title>
  <link rel="stylesheet" href="styles.css">
  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.0.0/css/all.min.css">
</head>
<body>
  <nav class="navbar">
    <div class="logo">
      <i class="fas fa-utensils"></i>
      <span>Chimn's Restaurant
    </div>
    <div class="nav-links">
      <a href="description.html">
        <i class="fas fa-arrow-left"></i>
        Back to Menu
      </a>
```

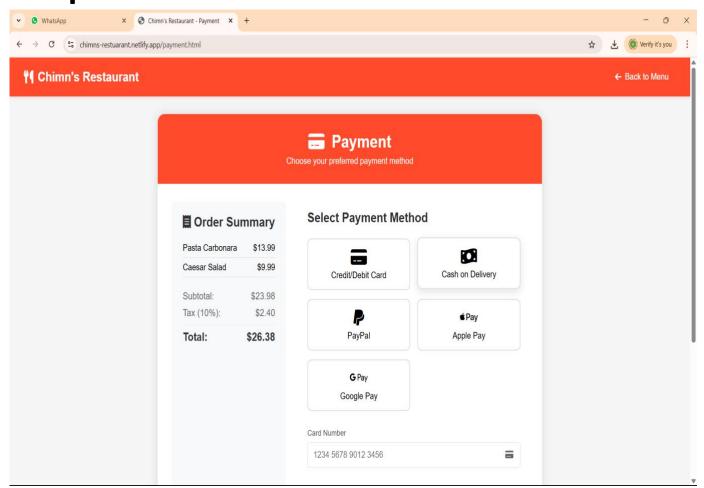
```
</div>
</nav>
<div class="payment-container">
  <div class="payment-header">
    <h1><i class="fas fa-credit-card"></i> Payment</h1>
    Choose your preferred payment method
  </div>
  <div class="payment-content">
    <div class="order-summary">
      <h2><i class="fas fa-receipt"></i> Order Summary</h2>
      <div id="paymentOrderItems" class="order-items">
        <!-- Order items will be added here dynamically -->
      </div>
      <div class="order-totals">
        <div class="total-row">
          <span>Subtotal:</span>
          <span id="subtotal">$0.00</span>
        </div>
        <div class="total-row">
          <span>Tax (10%):</span>
          <span id="tax">$0.00</span>
        </div>
        <div class="total-row grand-total">
          <span>Total:</span>
          <span id="paymentTotal">$0.00</span>
        </div>
      </div>
    </div>
    <div class="payment-methods">
      <h2>Select Payment Method</h2>
      <div class="payment-options">
        <div class="payment-option" data-method="card">
          <i class="fas fa-credit-card"></i>
          <span>Credit/Debit Card</span>
        </div>
        <div class="payment-option" data-method="cod">
          <i class="fas fa-money-bill-wave"></i>
          <span>Cash on Delivery</span>
        </div>
        <div class="payment-option" data-method="paypal">
          <i class="fab fa-paypal"></i>
          <span>PayPal</span>
        </div>
```

```
<div class="payment-option" data-method="apple">
    <i class="fab fa-apple-pay"></i>
    <span>Apple Pay</span>
 </div>
 <div class="payment-option" data-method="google">
    <i class="fab fa-google-pay"></i>
    <span>Google Pay</span>
 </div>
</div>
<form id="paymentForm">
 <!-- Card Payment Form -->
 <div id="cardForm" class="payment-form-section">
    <div class="form-row">
      <div class="form-group">
        <label for="cardNumber">Card Number</label>
        <div class="card-input">
          <input type="text" id="cardNumber" placeholder="1234 5678 9012 3456" required>
          <i class="fas fa-credit-card"></i>
        </div>
      </div>
    </div>
    <div class="form-row">
      <div class="form-group">
        <label for="cardName">Cardholder Name</label>
        <input type="text" id="cardName" placeholder="John Doe" required>
      </div>
    </div>
    <div class="form-row">
      <div class="form-group">
        <label for="expiryDate">Expiry Date</label>
        <input type="text" id="expiryDate" placeholder="MM/YY" required>
      </div>
      <div class="form-group">
        <label for="cvv">CVV</label>
        <input type="text" id="cvv" placeholder="123" required>
      </div>
    </div>
 </div>
 <!-- Cash on Delivery Form -->
 <div id="codForm" class="payment-form-section hidden">
   <div class="cod-info">
      <i class="fas fa-money-bill-wave"></i>
      <h3>Cash on Delivery</h3>
      Pay with cash when your order arrives
```

```
<div class="cod-details">
              <strong>Delivery Address:</strong>
              <textarea id="deliveryAddress" placeholder="Enter your delivery address" required></textarea>
              <strong>Delivery Instructions (Optional):</strong>
              <textarea id="deliveryInstructions" placeholder="Any special instructions for delivery"></textarea>
            </div>
          </div>
        </div>
        <!-- PayPal Form -->
        <div id="paypalForm" class="payment-form-section hidden">
          <div class="paypal-info">
            <i class="fab fa-paypal"></i>
            <h3>PayPal</h3>
            You will be redirected to PayPal to complete your payment
          </div>
        </div>
        <!-- Apple Pay Form -->
        <div id="appleForm" class="payment-form-section hidden">
          <div class="apple-pay-info">
            <i class="fab fa-apple-pay"></i>
            <h3>Apple Pay</h3>
            Complete your payment using Apple Pay
          </div>
        </div>
        <!-- Google Pay Form -->
        <div id="googleForm" class="payment-form-section hidden">
          <div class="google-pay-info">
            <i class="fab fa-google-pay"></i>
            <h3>Google Pay</h3>
            Complete your payment using Google Pay
          </div>
        </div>
        <button type="submit" class="btn">
          <i class="fas fa-lock"></i>
          Complete Payment
        </button>
      </form>
    </div>
  </div>
</div>
<script src="script.js"></script>
```

</body>

Output:



Styles.css

/* Global Variables */:root { --primary-color: #FF4B2B; --secondary-color: #FF3015; --background-color: #f5f5f5; --text-color-light: #666; --text-color-dark: #333; --border-color: #ddd; --box-shadow: 0 2px 5px rgba(0,0,0,0.1); --font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif; --font-family-alt: 'Arial', sans-serif; } /* Global Styles */ * { margin: 0; padding: 0; box-sizing: border-box; } body { background-color: var(--background-color); font-family: var(--font-family); min-height: 100vh; display: flex; flex-direction: column; } /* Container Styling */ .container { max-width: 1200px; margin: 0 auto; padding: 20px; flex: 1; padding-top: 80px; /* Account for navbar height */ } /* Login Page Styles */ .login-container { display: flex; width: 1000px; height: 600px; background: white; border-radius: 20px; box-shadow: 0 15px 30px rgba(0, 0, 0, 0.1); overflow: hidden; margin: 2rem auto; } .login-image { flex: 1; background: url('https://images.unsplash.com/photo-1517248135467-4c7edcad34c4') center/cover; position: relative; } .login-image .overlay { position: absolute; top: 0; left: 0; width: 100%; height: 100%; background: rgba(0, 0, 0, 0.5); display: flex; flex-direction: column; justify-content: center; align-items: center; color: white; text-align: center; padding: 2rem; } .login-image h1 { font-size: 2.5rem; margin: 1rem 0; color: var(--primary-color); } .login-image h2 {

font-size: 1.5rem; font-weight: 300; } .form-container { flex: 1; padding: 3rem; display: flex; flexdirection: column; overflow-y: auto; } .form-header { text-align: center; margin-bottom: 2rem; } .form-header i { font-size: 3rem; color: var(--primary-color); margin-bottom: 1rem; } .form-header h1 { font-size: 1.8rem; color: var(--text-color-dark); margin-bottom: 0.5rem; } .form-header p { color: var(--text-color-light); } .form-group { margin-bottom: 1.5rem; } .form-group label { display: block; margin-bottom: 0.5rem; color: #555; font-size: 0.9rem; } .form-group input { width: 100%; padding: 0.8rem; border: 1px solid var(--border-color); border-radius: 5px; font-size: 1rem; transition: bordercolor 0.3s ease; } .form-group input:focus { border-color: var(--primary-color); outline: none; } .password-input { position: relative; } .toggle-password { position: absolute; right: 1rem; top: 50%; transform: translateY(-50%); color: var(--text-color-light); cursor: pointer; } .btn { width: 100%; padding: 1rem; background: var(--primary-color); color: white; border: none; border-radius: 5px; font-size: 1rem; cursor: pointer; transition: background 0.3s ease; display: flex; align-items: center; justify-content: center; gap: 0.5rem; } .btn:hover { background: var(--secondary-color); } /* Social Login */.social-login p { color: var(--text-color-light); margin-bottom: 1rem; position: relative; } .social-login p::before, .social-login p::after { content: ""; position: absolute; top: 50%; width: 30%; height: 1px; background: var(--border-color); } .social-login p::before { left: 0; } .social-login p::after { right: 0; } .social-buttons { display: flex; justify-content: center; gap: 1rem; } .social-btn { width: 40px; height: 40px; border-radius: 50%; border: 1px solid var(--border-color); background: white; cursor: pointer; transition: all 0.3s ease; display: flex; align-items: center; justify-content: center; } .socialbtn:hover { background: #f5f5f5; transform: translateY(-2px); } .social-btn.google i { color: #DB4437; } .social-btn.facebook i { color: #4267B2; } .social-btn.twitter i { color: #1DA1F2; } /* Navbar Styles */ .navbar { background-color: var(--primary-color); padding: 1rem 2rem; display: flex; justify-content: space-between; align-items: center; color: white; box-shadow: var(--box-shadow); position: fixed; top: 0; left: 0; right: 0; z-index: 1000; height: 70px; } .logo { font-size: 1.5rem; font-weight: bold; display: flex; align-items: center; gap: 10px; } .nav-links { display: flex; align-items: center; gap: 20px; } .nav-links a { color: white; text-decoration: none; padding: 8px 16px; border-radius: 5px; transition: all 0.3s ease; display: flex; align-items: center; gap: 8px; } .nav-links a:hover { background-color: rgba(255, 255, 255, 0.1); } .register-link { background-color: rgba(255, 255, 255, 0.1); border: 1px solid rgba(255, 255, 255, 0.3); } .register-link:hover { background-color: rgba(255, 255, 255, 0.2); } .login-btn { background-color: white; color: var(--primary-color); border: none; padding: 8px 16px; border-radius: 5px; cursor: pointer; font-weight: 600; display: flex; align-items: center; gap: 8px; transition: all 0.3s ease; } .login-btn:hover { background-color: #f8f8f8; transform: translateY(-1px); } /* Responsive Design */ @media (max-width: 1024px) { .login-container { width: 90%; height: auto; flex-direction: column; } .login-image { height: 200px; } .form-container { padding: 2rem; } } @media (max-width: 768px) { .navbar { flex-direction: column; gap: 1rem; text-align: center; } .nav-links { flexdirection: column; } .menu-categories { flex-direction: column; align-items: center; } .category-btn { width: 100%; max-width: 200px; } } @media (max-width: 480px) { .verification-code input { width: 40px; height: 40px; font-size: 1.2rem; } .verification-options { flex-direction: column; align-items: center; } }

CONCLUSION:

Thank you for visiting our website! At chimn's restuarant, we're passionate about serving delicious food made with fresh, high-quality ingredients in a warm and welcoming atmosphere. Whether you're dining in, ordering takeout, or booking a private event, our team is committed to providing an unforgettable experience. We look forward to serving you soon!

Future Scope:

As we continue to grow, our future plans include expanding to new locations to serve more customers, introducing an online reservation and delivery system for added convenience, and incorporating sustainable practices to minimize our environmental impact. We also aim to enhance the user experience on our website with interactive menus, customer loyalty programs, and personalized recommendations. Your feedback is invaluable as we strive to make chimn's restuarant your favorite dining destination.