

RESTAURANT

(A Website for ordering food.)

A PROJECT REPORT

Submitted by

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To

Mrs. Gauri Thakur

(Asst. Professor)

*in partial fulfilment for the award of the degree
of*

BACHELOR OF TECHNOLOGY

IN

COMPUTER SCIENCE ENGINEERING



Lovely Professional University, Punjab

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Lovely Professional University, Punjab

BONAFIDE CERTIFICATE

Certified that this project report is the Bonafede work of **Rishi Dikshith** (12415662) who carried out the project work under my supervision.

SIGNATURE

CLASS MENTOR

SIGNATURE

SUPERVISOR

HEAD OF THE DEPARTMENT

SIGNATURE

Student Declaration

I, **Rishi Dikshith(12415662)** hereby declare that the work done by me on “**HTML & CSS**” from **15/10/2024** to **26/10/2024**, is a record of original work for the partial fulfilment of the requirements for the award of the degree, **B.Tech (CSE)**.

Rishi Dikshith(12415662)

Dated: 18/10/2024.

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INTRODUCTION:

A restaurant website serves as a digital front door to your business, offering customers an easy and convenient way to learn more about your menu, place orders, make reservations, and engage with your restaurant online. In today's digital age, a strong online presence is essential for attracting new customers and providing seamless experiences for your existing clientele. Your restaurant's website should reflect your brand, showcase your culinary offerings, and streamline customer interactions.

OBJECTIVES:

1. Enhance Customer Engagement

Provide a platform for customers to interact with your restaurant online, whether through reservations, menu browsing, or event bookings.

2. Increase Sales

Offer online ordering for takeout or delivery and encourage pre-ordering for events, catering, or special promotions to drive revenue.

3. Promote Brand Awareness

Showcase your restaurant's unique identity, atmosphere, and story, helping to build brand recognition and loyalty.

4. Improve Customer Convenience

Offer functionalities like online reservations, menu access, contact information, and location maps for a smoother dining experience.

5. Offer Updated Information

Provide real-time information such as daily specials, hours of operation, holiday hours, and COVID-related updates to keep your audience informed.

6. Optimize for Search Engines (SEO)

Ensure your website is optimized for local search, helping your restaurant appear in search results when potential customers look for dining options near them.

7. Build Trust and Credibility

Use customer reviews, social proof, and a professional, user-friendly design to instill confidence and encourage customer loyalty.

Features:

1. Responsive Design

A mobile-friendly design ensures the website works seamlessly across all devices, whether on desktops, tablets, or smartphones.

2. Online Menu

Showcase an interactive, visually appealing menu with detailed descriptions, pricing, dietary information, and high-quality images. This can also include the option to filter by allergens or dietary preferences (e.g., vegetarian, gluten-free).

3. Online Ordering System

Provide an easy-to-use ordering system for takeout, delivery, or pre-ordering, with options to customize orders, select delivery times, or pick-up preferences.

4. Reservation System

Enable customers to make reservations directly on the website, integrating with platforms like OpenTable or a custom reservation system to streamline the process.

5. Location and Contact Information

Clear, up-to-date contact details, including address, phone number, email, and interactive Google Maps integration for easy directions.

6. Social Media Integration

Display links to your social media profiles (Instagram, Facebook, Twitter, etc.), as well as embedded Instagram feeds or Yelp reviews to promote community engagement.

7. About Us Section

Share the restaurant's story, vision, and values, helping customers feel connected to your brand. This could include information about the chef, the restaurant's history, or sustainability practices.

8. Event Calendar or Special Promotions

Highlight upcoming events, theme nights, happy hour specials, or seasonal promotions to keep customers informed and excited to return.

9. Customer Reviews and Testimonials

Display positive feedback from satisfied customers to build credibility and trust. Integrating third-party review platforms like Google or Yelp adds authenticity.

10. Blog or News Section

Share updates about your restaurant, new menu items, chef interviews, or cooking tips. This helps keep content fresh and can improve SEO.

11. Gift Cards & Loyalty Programs

Offer digital gift cards for purchase and provide details about any loyalty programs that reward returning customers.

12. Online Payment Options

Provide secure online payment systems for orders, reservations, and gift cards, ensuring a seamless transaction experience.

13. Food Photography Gallery

Show high-quality photos of your dishes to tempt visitors and give them a taste of what they can expect when they visit.

14. Accessibility Features

Ensure that the website is accessible to all customers, including those with disabilities. This could include screen reader compatibility, alt text for images, and easy navigation.

Technologies Used:

~Frontend:

1.HTML: For structure and Coding.

2.CSS: Styling and formatting the webpage.

Website Architecture:

1. Home Page: The home page of the website is where all the web pages are linked.

2. Job requirements: About the skills and languages that a coder should know according to the job.

3. Registration form: Fill the details if any one required the job.

Challenges and Solutions:

- **Data Collection:** One of the initial challenges was gathering restaurant data. This was addressed by using publicly available restaurant listings, APIs, and manual data entry.

- **Responsive Design:** Ensuring that the website was fully responsive required extra effort, which was achieved using CSS & HTML.


```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Delicious Restaurant</title>
  <link rel="stylesheet" href="style.css">
</head>
<body>
  <header>
    <div class="container">
      <h1>Delicious Restaurant</h1>
      <nav>
        <ul>
          <li><a href="#about">About Us</a></li>
          <li><a href="#menu">Menu</a></li>
          <li><a href="#contact">Contact Us</a></li>
          <li><a href="#order">Order Now</a></li>
        </ul>
      </nav>
    </div>
  </header>

  <section id="hero">
    <div class="container">
      <h2>Welcome to the Best Dining Experience</h2>
      <p>Delicious food, cozy atmosphere, and great service.</p>
      <br>
      <a href="#menu" class="btn">Explore Our Menu</a>
    </div>
  </section>

  <section id="menu" class="container">
    <h2>Our Menu</h2>
    <div class="menu-item">
      <h3>Grilled Steak</h3>
      <p>Juicy steak cooked to perfection.</p>
    </div>
  </section>

```

```

        <span class="price">$25</span>
    </div>
    <div class="menu-item">
        <h3>Caesar Salad</h3>
        <p>Crisp lettuce, parmesan cheese, and creamy Caesar dressing.</p>
        <span class="price">$10</span>
    </div>
    <div class="menu-item">
        <h3>Margherita Pizza</h3>
        <p>Classic pizza with mozzarella, basil, and tomato sauce.</p>
        <span class="price">$15</span>
    </div>
</section>

<section id="order" class="container">
    <h2>Order Now</h2>
    <form action="/your-payment-processor" method="POST">
        <div class="form-group">
            <label for="name">Full Name</label>
            <input type="text" id="name" name="name" required>
        </div>

        <div class="form-group">
            <label for="email">Email</label>
            <input type="email" id="email" name="email" required>
        </div>

        <div class="form-group">
            <label for="address">Delivery Address</label>
            <input type="text" id="address" name="address" required>
        </div>
    </form>

```

```

    <div class="form-group">
      <label for="menu-item">Select Menu Item</label>
      <select id="menu-item" name="menu-item" required>
        <option value="steak">Grilled Steak - $25</option>
        <option value="salad">Caesar Salad - $10</option>
        <option value="pizza">Margherita Pizza - $15</option>
      </select>
    </div>

    <h3>Payment Information</h3>
    <div class="form-group">
      <label for="card-name">Name on Card</label>
      <input type="text" id="card-name" name="card-name" required>
    </div>

    <div class="form-group">
      <label for="card-number">Card Number</label>
      <input type="text" id="card-number" name="card-number" min="0" max="12" required>
    </div>

    <div class="form-group">
      <label for="expiry">Expiry Date</label>
      <input type="text" id="expiry" name="expiry" placeholder="MM/YY" required>
    </div>

    <div class="form-group">
      <label for="cvv">CVV</label>
      <input type="text" id="cvv" name="cvv" required>
    </div>

    <button type="submit" class="btn">Pay Now</button>
  </form>
</section>

<footer>
  <div class="container">
    <p>&copy; 2024 Delicious Restaurant. All Rights Reserved.</p>
  </div>
</footer>
</body>
</html>

```

```

* {
    margin: 0;
    padding: 0;
    box-sizing: border-box;
}

body {
    font-family: Arial, sans-serif;
    line-height: 1.6;
    color: #333;
}

.container {
    width: 80%;
    margin: 0 auto;
}

header {
    background: #333;
    color: #ffffff;
    padding: 20px 0;
}

header h1 {
    margin-left: 20px;
}

header nav {
    float: right;
    margin-right: 20px;
    text-align: center;
}

header nav ul {
    list-style: none;
}

```

```

header nav ul li {
  display: inline;
  margin-left: 20px;
}

header nav ul li a {
  color: #ded3d3;
  text-decoration: none;
}

#hero {
  background: url('https://www.tripsavvy.com/thmb/1avBxv5nrmUddXubBq846cMRxJQ=/2500x1667/filters:fill(auto,1)/Annette-2ac0e13d6b9e48ea');
  background-position: center;
  background-attachment: fixed;
  background-repeat: no-repeat;
  background-size: cover;
  color: white;
  height: 100vh;
  text-align: center;
  display: flex;
  justify-content: center;
  align-items: center;
  width: 100%;
}

#hero h2 {
  font-size: 3em;
}

#hero .btn {
  background: #ff6347;
  color: white;
  padding: 10px 20px;
  text-decoration: none;
  margin-top: 20px;
}

```

```
    margin-top: 20px;
    border-radius: 5px;
}

#menu, #order {
    padding: 50px 0;
}

h2 {
    text-align: center;
    margin-bottom: 20px;
}

.menu-item {
    display: flex;
    justify-content: space-between;
    margin-bottom: 20px;
}

.menu-item h3 {
    font-size: 1.5em;
}

.menu-item .price {
    color: #ff6347;
}

form {
    margin-top: 20px;
    max-width: 600px;
    margin: 0 auto;
    background: #f4f4f4;
    padding: 20px;
    border-radius: 8px;
}
```

```

.form-group {
  margin-bottom: 15px;
}

label {
  display: block;
  margin-bottom: 5px;
  font-weight: bold;
}

input, select {
  width: 100%;
  padding: 10px;
  border: 1px solid #ccc;
  border-radius: 4px;
}

button {
  background: #ff6347;
  color: white;
  padding: 10px 20px;
  border: none;
  border-radius: 5px;
  cursor: pointer;
}

button:hover {
  background: #e5533d;
}

footer {
  background: #333;
  color: white;
  text-align: center;
  padding: 20px 0;
}

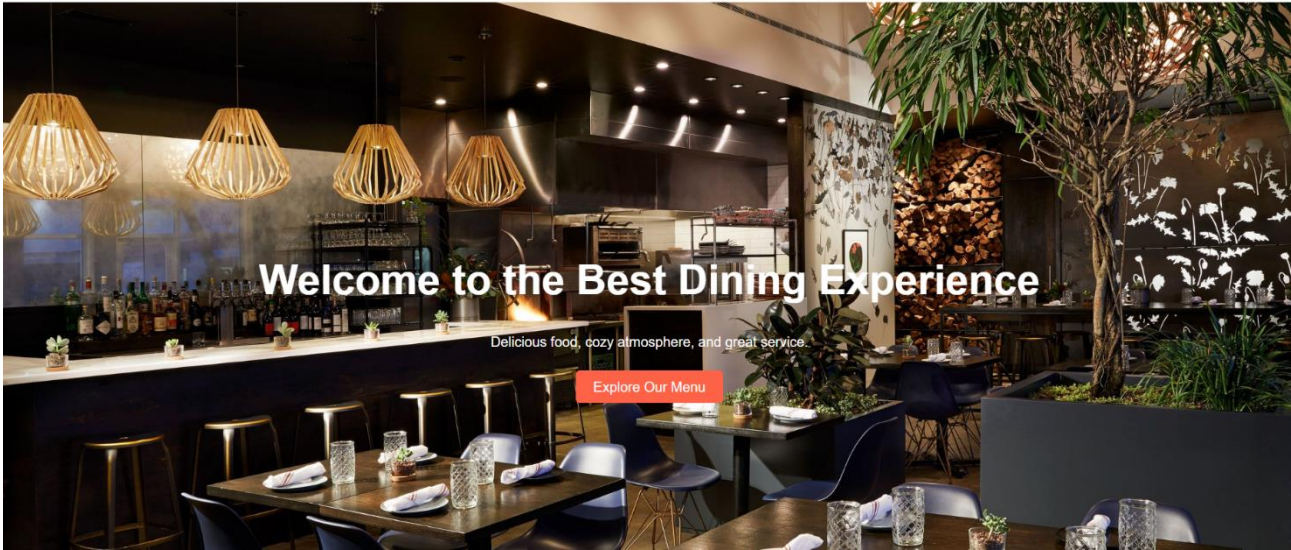
```

```

footer {
  background: #333;
  color: white;
  text-align: center;
  padding: 20px 0;
}

footer p {
  margin: 0;
}

```



Our Menu

Grilled Steak	Juicy steak cooked to perfection.	\$25
Caesar Salad	Crisp lettuce, parmesan cheese, and creamy Caesar dressing.	\$10
Margherita Pizza	Classic pizza with mozzarella, basil, and tomato sauce.	\$15

Order Now

Full Name

Email

Delivery Address

Delivery Address

Select Menu Item

Grilled Steak - \$25

Payment Information

Name on Card

Card Number

Expiry Date

MM/YY

CVV

Pay Now

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A.1 Purpose of the Website

The primary aim of this website is to provide essential details like the restaurant's menu, hours of operation, location, and contact information. This allows customers to quickly find the information they need to make dining decisions.

A.2 Technological Framework

The website is built with modern web technologies to ensure a seamless user experience across devices.

- Frontend: HTML & CSS
- Hosting: Yet to host with version control managed via GitHub
- APIs: Future aspects

A.3 Key Features

Responsive Design: The site is optimized for desktops ensuring an intuitive experience .

Conclusion:

In conclusion, a restaurant website is a multifaceted tool that serves both functional and marketing purposes. It enhances customer convenience by offering features like online ordering, reservations, and easy access to menu information. It also supports a restaurant's branding efforts and customer engagement, helping to attract new customers and retain loyal ones. A well-constructed website is a key asset for any restaurant in today's digital age, offering numerous benefits for both operational efficiency and customer satisfaction.

References:

- W3School
- GitHub
- Previous Projects
- Chat GPT
- v0.dev