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Restaurant Website

Project Report

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Abstract

This report presents the design, development, and deployment process for a responsive food website for a restaurant, created to provide a seamless experience for customers across all device types, including smartphones, tablets, and desktops. This website serves as an online face for the restaurant, enabling users to browse menus, make reservations, locate the restaurant, and connect via social media. Developed using modern technologies like HTML5, CSS3, JavaScript. This project underscores the importance of a mobile- first approach in today's digital environment, allowing the restaurant to reach a larger audience and cater to user needs efficiently. This report will also cover the technical stack, architecture, development process, and testing stages involved in ensuring a robust and high-performing platform.

Introduction

The demand for digital solutions in the food and hospitality sector has grown, driven by users seeking convenience and accessibility. Restaurants, in particular, benefit from an online presence that can showcase menus, allow for reservations, and offer easy ways to contact and locate the business. This website allow user to order food online while sitting anywhere and anytime. It makes easy for the user because the user can order anytime and while doing any work.

Project Scope

This project covers:

- **Front-End Development:** Creation of a responsive website with static HTML, CSS, and JavaScript.
- **Responsive Design:** Ensuring compatibility across mobile, tablet, and desktop devices.
- **User Experience (UX):** Designing a clean, easy-to-navigate interface that aligns with the brand.
- **Basic Online Interactions:** Features such as online menus, reservation forms, and contact options.
- **Content Management Setup:** Basic instructions for restaurant staff to update content.
- **SEO Optimization:** Basic SEO-friendly elements for improved visibility.

Primary Objective

Develop a user-friendly, responsive website for a restaurant that is accessible on multiple devices types and showcases its offerings in an appealing and efficient manner.

Secondary Objectives

1. Enhance the restaurant's online presence to reach a larger audience.
2. Provide essential online services such as menu browsing, reservation, and easy contact.
3. Create a platform that can evolve and integrate additional services in the future, such as online ordering.

Project Requirements

The requirements focus on user experience, functionality, responsiveness, and ease of maintenance for restaurant staff. Requirements were gathered from both stakeholder feedback and user analysis, ensuring the design aligns with brand goals and user needs.

Functional and Non-functional Requirements

Functional Requirements

1. **Home Page:**
 - Brief introduction of the restaurant with featured images.
 - Highlight popular dishes or specials to attract attention.
2. **Menu Page:**
 - Clear display of available dishes categorized by type (e.g., starters, main courses, desserts).
 - Prices, images, and descriptions for each dish.
3. **Reservation Page:**
 - A form where users can book tables, specifying date, time, and the number of people.
 - Confirmation message upon successful booking request submission.
4. **Contact Page:**
 - Displays restaurant's contact details, location, and operating hours.
 - A form for customer inquiries or feedback.

5. Social Media Integration:

- Links to the restaurant's social media pages to encourage engagement.

Non-functional Requirements

1. **Performance:** Pages should load within three seconds on standard broadband connections.
2. **Usability:** Intuitive navigation and layout, with clear labels and simple forms.
3. **Compatibility:** Supports popular browsers (Chrome, Firefox, Safari, Edge) and various devices.
4. **Scalability:** Prepared for future expansion, such as integration with online ordering systems.
5. **Security:** Protects user data and maintains privacy in forms and interactions.

CODE:

Html code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Restaurant Name</title>
  <link rel="stylesheet" href="style.css">
</head>
<body>

<header>
  <div class="logo">
    <h2>CARGO'S RESTAURANT</h2>
  </div>
  <nav>
    <ul>
      <li><a href="#home">Home</a></li>
      <li><a href="#menu">Menu</a></li>
      <li><a href="#contact">Contact</a></li>
    </ul>
  </nav>
</header>

<section id="home" class="hero">
  <div class="hero-content">
    <h1>Welcome to Our Restaurant</h1>
    <button onclick="location.href='#menu'">Explore Menu</button>
```



</div>

</section>

<section id="menu" class="menu">

<h2>Our Menu</h2>

<div class="menu-items">

<div class="menu-item">

<p>A classic pizza </p>

Rs 400

</div>

<div class="menu-item">

<p>Cheesy Burger</p>

Rs 200

</div>

<div class="menu-item">

<p>Italian Pasta</p>

Rs 800

</div>

</div>

</section>

<section id="contact" class="contact">

<h2>Contact Us</h2>

<form id="contact-form">

<label for="name">Name:</label>

<input type="text" id="name" name="name" required>

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

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

<label for="message">Message:</label>

<textarea id="message" name="message" required></textarea>

<button type="submit">Send Message</button>

</form>

</section>

<footer>

<p>© 2024 Restaurant Name. All rights reserved.</p>

</footer>

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

</body>

</html>



Css code:

```
* {  
  margin: 0;  
  padding: 0;  
  box-sizing: border-box;  
}  
  
body {  
  font-family: Arial, sans-serif;  
  line-height: 1.6;  
  background-color: #f4f4f4;  
}  
  
a {  
  text-decoration: none;  
  color: inherit;  
}  
  
header {  
  display: flex;  
  justify-content: space-between;  
  padding: 20px 50px;  
  background-color: #333;  
  color: white;  
}  
  
header nav ul {  
  list-style: none;  
  display: flex;  
}  
  
header nav ul li {  
  margin-left: 20px;  
}  
  
header nav ul li a {  
  color: white;  
  font-size: 18px;  
  text-transform: uppercase;  
}  
  
.hero {  
  background-image: url('images/hero.jpg');
```



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```
background-size: cover;  
background-position: center;  
color: white;  
text-align: center;  
padding: 100px 20px;  
}
```

```
.hero h1 {  
  font-size: 3rem;  
}
```

```
.hero p {  
  font-size: 1.5rem;  
  margin-top: 10px;  
}
```

```
.hero button {  
  background-color: #f8b400;  
  color: white;  
  padding: 10px 20px;  
  border: none;  
  font-size: 1rem;  
  cursor: pointer;  
  margin-top: 20px;  
}
```

```
.hero button:hover {  
  background-color: #e39f00;  
}
```

```
.menu {  
  padding: 50px 20px;  
  text-align: center;  
  background-color: #fff;  
}
```

```
.menu h2 {  
  font-size: 2rem;  
  margin-bottom: 30px;  
}
```

```
.menu-items {  
  display: flex;  
  justify-content: center;
```



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gap: 40px;

}

```
.menu-item {  
  background-color: #f9f9f9;  
  border-radius: 10px;  
  padding: 20px;  
  width: 250px;  
  text-align: center;  
}
```

```
.menu-item img {  
  width: 100%;  
  border-radius: 8px;  
}
```

```
.menu-item h3 {  
  font-size: 1.5rem;  
  margin-top: 15px;  
}
```

```
.menu-item p {  
  margin: 10px 0;  
}
```

```
.menu-item span {  
  font-weight: bold;  
  color: #f8b400;  
}
```

/* Contact Section */

```
.contact {  
  background-color: #333;  
  color: white;  
  padding: 50px 20px;  
  text-align: center;  
}
```

```
.contact h2 {  
  margin-bottom: 20px;  
}
```

```
.contact form {  
  max-width: 600px;
```




```
margin: 0 auto;
}

.contact form input,
.contact form textarea {
  width: 100%;
  padding: 10px;
  margin: 10px 0;
  border: none;
  border-radius: 5px;
}

.contact form button {
  background-color: #f8b400;
  color: white;
  padding: 10px 20px;
  border: none;
  border-radius: 5px;
  cursor: pointer;
}

.contact form button:hover {
  background-color: #e39f00;
}

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

Js code:
document.getElementById("contact-form").addEventListener("submit", function(event) {
  event.preventDefault();

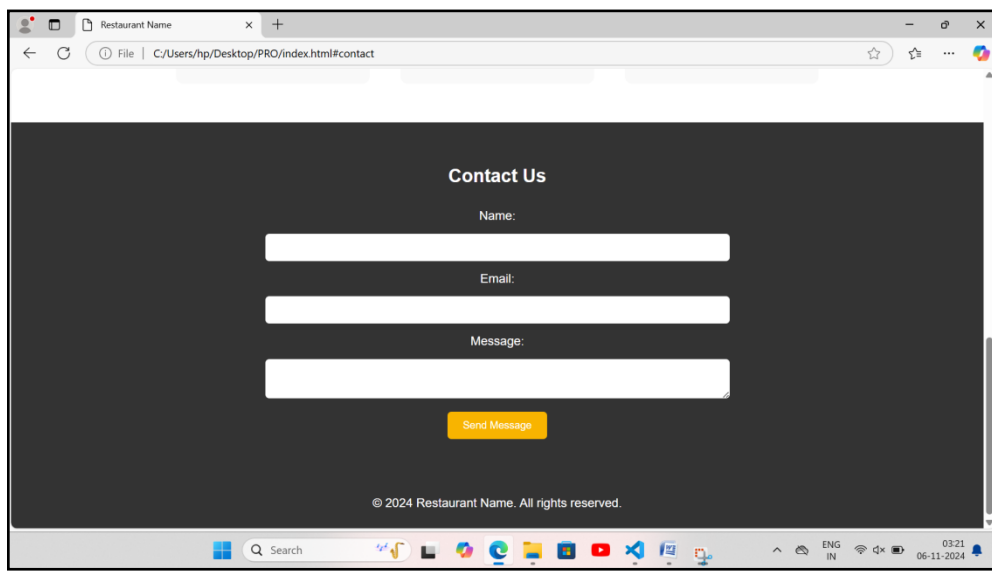
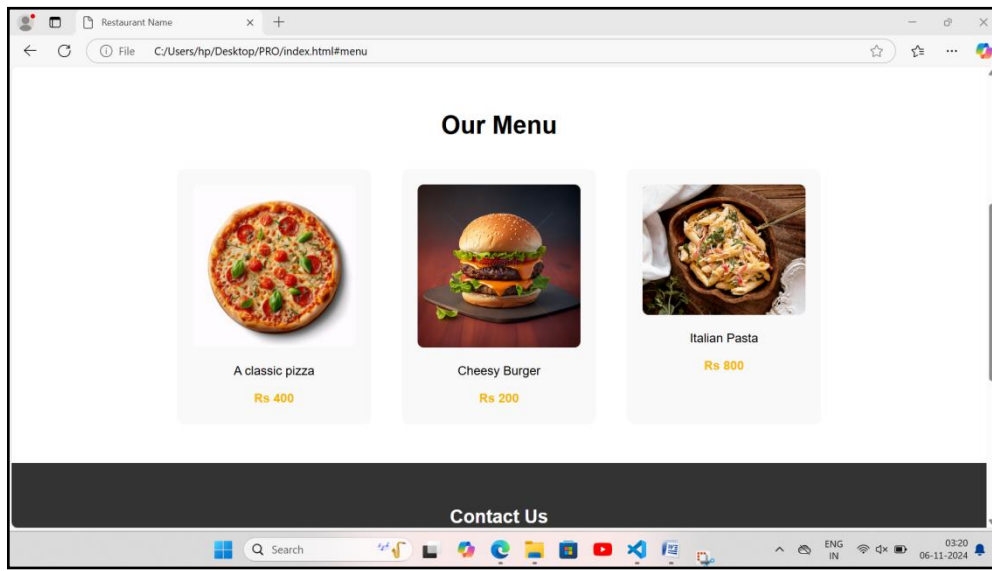
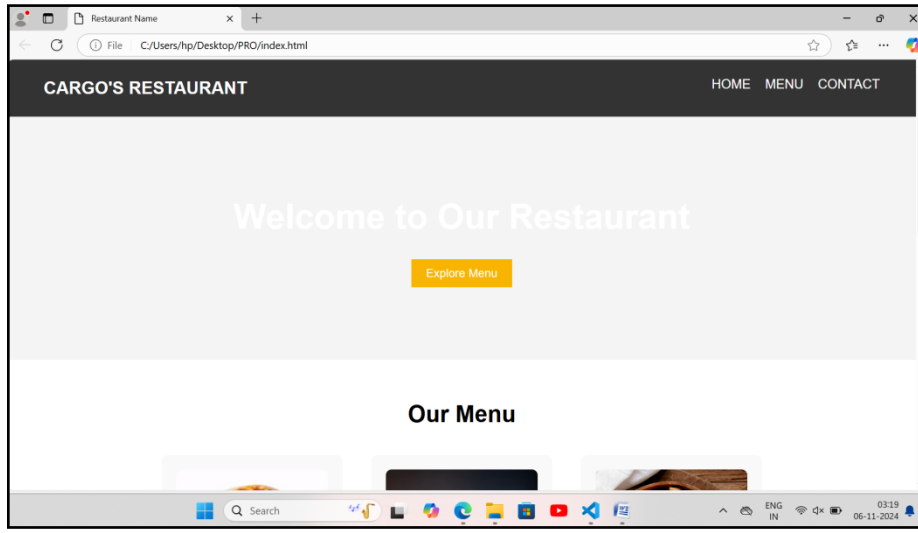
  const name = document.getElementById("name").value;
  const email = document.getElementById("email").value;
  const message = document.getElementById("message").value;

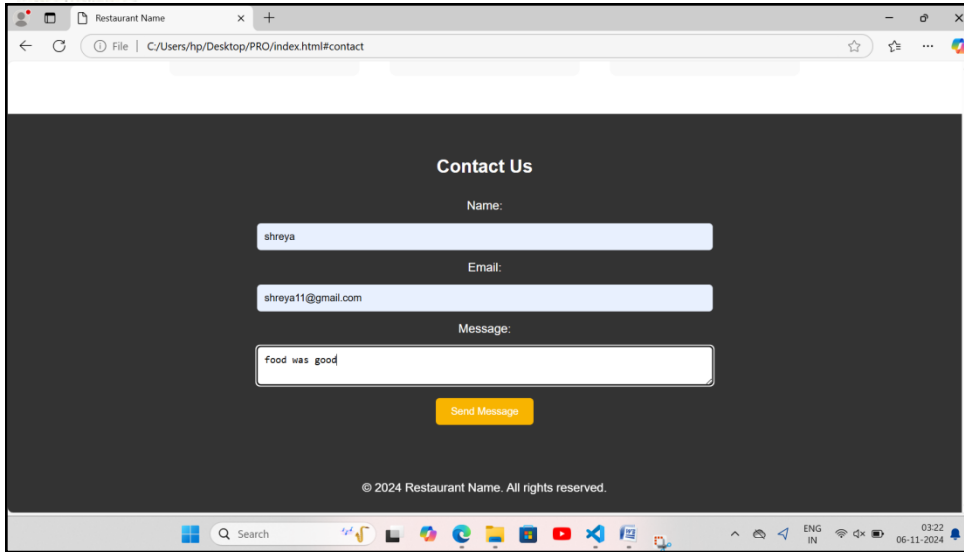
  alert(`Thank you for your message, ${name}! We will get back to you at ${email}.`);

  document.getElementById("contact-form").reset();
});
```



OUTPUT





Restaurant Name

File | C:/Users/hp/Desktop/PRO/index.html#contact

Contact Us

Name:

shreya

Email:

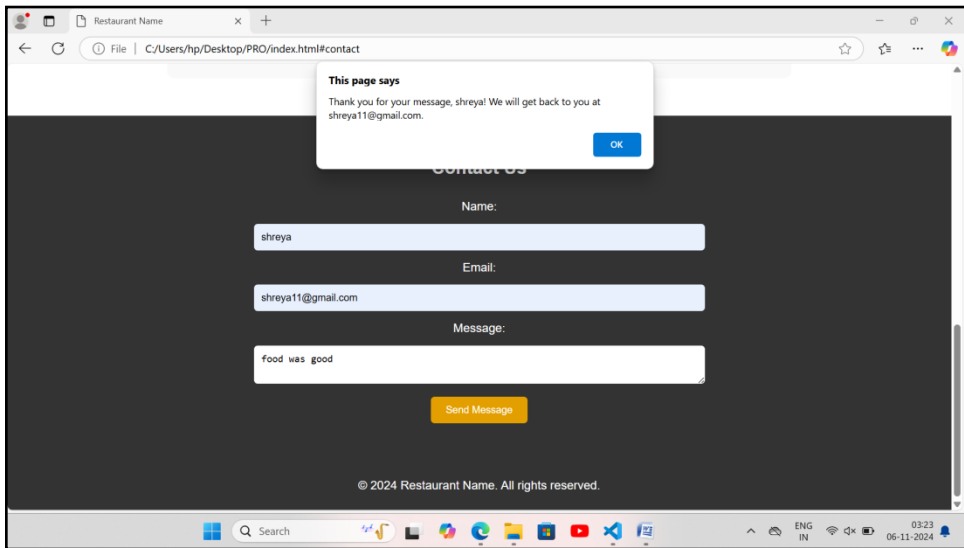
shreya11@gmail.com

Message:

food was good

Send Message

© 2024 Restaurant Name. All rights reserved.



Restaurant Name

File | C:/Users/hp/Desktop/PRO/index.html#contact

This page says

Thank you for your message, shreya! We will get back to you at shreya11@gmail.com.

OK

Contact Us

Name:

shreya

Email:

shreya11@gmail.com

Message:

food was good

Send Message

© 2024 Restaurant Name. All rights reserved.

Conclusion

The responsive food website project successfully addresses the restaurant's need for a mobile-friendly, visually engaging, and functionally robust platform. Through a clear structure, modern design, and responsive framework, the site delivers a seamless browsing experience that aligns with current digital standards. It makes easy for the user to order the food online by following some steps.