Project Report: Burger Hut Webpage

Submitted by: Sahil Bhardwaj (24BCD10111)

1. Introduction

The **Burger Hut Webpage** is a responsive and interactive website designed to represent a restaurant's online presence. This webpage is built using **HTML**, **CSS**, and **JavaScript** to provide a visually appealing and user-friendly experience. The website includes essential features like a menu, reservation system, testimonials, gallery, and contact information, ensuring a complete and engaging user experience.

2. Objective

The primary objectives of this project are:

- To create an aesthetically pleasing webpage for **Burger Hut**, showcasing its offerings and services.
- To implement a responsive design that works seamlessly on all devices (mobile, tablet, and desktop).
- To add interactive features like smooth navigation and form submission using JavaScript.
- To provide users with an easy way to explore the menu, make reservations, and contact the restaurant.

3. Source Code

HTML Code

```html
<!DOCTYPE html>
<html>
<head>
  <title>Burger Hut</title>
  <link rel="stylesheet" type="text/css" href="styles.css">
  <script defer src="script.js"></script>
</head>

<body>
  <header>
    <div class="logo">
    <img src="iconlogo.png" alt="Berger Hut Logo">
    </div>
    <nav>
    <ul>
      <li><a href="#home">Home</a></li>
      <li><a href="#about">About</a></li>
      <li><a href="#menu">Menu</a></li>
      <li><a href="#reservations">Reservations</a></li>
      <li><a href="#contact">Contact</a></li>
    </ul>
    </nav>
  </header>

<section class="hero">
  <div class="hero-content">
    <h1>Welcome to Burger Hut</h1>
    <p>Experience the Taste of Perfection</p>
    <a href="#menu" class="btn">Explore Our Menu</a>
  </div>
</section>

<section class="about dark-theme">
  <div class="about-content">
    <h2>About Burger Hut</h2>
    <p>Experience the finest gourmet burgers in a cozy and rustic atmosphere. At
Burger Hut, we are dedicated to delivering exceptional flavors that will
tantalize your taste buds.</p>
```

```html
      <p>Our chefs meticulously craft each burger using locally sourced ingredients
and unique flavor combinations. From juicy beef patties to mouthwatering
vegetarian options, there's something for everyone.</p>
      <a href="#menu" class="btn">Explore Our Menu</a>
    </div>
    <div class="about-image">
      <img src="about-image.jpg" alt="About Image">
    </div>
</section>


<section class="menu">
  <h2>Our Menu</h2>
  <div class="menu-items">
    <div class="menu-item">
      <img src="burger1.jpg" alt="Burger 1">
      <h3>Classic Cheeseburger</h3>
      <p>A juicy beef patty topped with melted cheese, fresh lettuce, tomato, and
our special sauce. Served with a side of crispy fries.</p>
    </div>
    <div class="menu-item">
      <img src="burger2.jpg" alt="Burger 2">
      <h3>Veggie Delight</h3>
      <p>A delicious veggie patty made from a blend of fresh vegetables and
spices. Topped with avocado, sprouts, and tangy mayo. Served with a side of sweet
potato fries.</p>
    </div>
    <div class="menu-item">
      <img src="burger3.jpg" alt="Burger 3">
      <h3>Spicy BBQ Burger</h3>
      <p>A fiery burger packed with flavor! Grilled chicken breast smothered in
spicy BBQ sauce, topped with jalapenos, crispy onion rings, and chipotle mayo.
Served with a side of coleslaw.</p>
    </div>
  </div>
</section>

<section class="reservations">
  <div class="reservation-form">
    <h2>Make a Reservation</h2>
    <form>
      <input type="text" name="name" placeholder="Your Name" required>
      <input type="email" name="email" placeholder="Your Email" required>
```

```html
      <input type="tel" name="phone" placeholder="Phone Number" required>
      <input type="date" name="date" required>
      <input type="time" name="time" required>
      <textarea name="message" placeholder="Additional Message"
rows="5"></textarea>
      <button type="submit">Submit</button>
    </form>
  </div>
</section>


<section class="testimonials">
  <h2>What Our Customers Say</h2>
  <div class="testimonial">
    <img src="customer1.jpg" alt="Customer 1">
    <p>"The burgers at Berger Hut are simply amazing! The flavors are rich, and
the ingredients are always fresh. It's my go-to place whenever I'm craving a
delicious meal."</p>
    <h4>John Doe</h4>
  </div>
  <div class="testimonial">
    <img src="customer2.jpg" alt="Customer 2">
    <p>"Burger Hut never disappoints! The quality of their burgers and the
friendly service make it a top-notch dining experience. I highly recommend it to
all burger lovers!"</p>
    <h4>Jane Smith</h4>
  </div>
</section>


<section class="gallery">
  <h2>Gallery</h2>
  <div class="image-grid">
    <div class="image-item">
      <img src="gallery1.jpg" alt="Image 1">
    </div>
    <div class="image-item">
      <img src="gallery2.jpg" alt="Image 2">
    </div>
    <div class="image-item">
      <img src="gallery3.jpg" alt="Image 3">
    </div>
    <div class="image-item">
```

```html
                <img src="gallery4.jpg" alt="Image 4">
            </div>
        </div>
    </section>

    <section class="contact">
        <div class="contact-container">
            <h2>Contact Us</h2>
            <div class="contact-info">
                <div class="info-item">
                    <i class="fas fa-map-marker-alt"></i>
                    <p>123 Main Street, City, Country</p>
                </div>
                <div class="info-item">
                    <i class="fas fa-phone-alt"></i>
                    <p>+1 234 567 890</p>
                </div>
                <div class="info-item">
                    <i class="fas fa-envelope"></i>
                    <p>info@bergerhut.com</p>
                </div>
            </div>
            <form class="contact-form">
                <input type="text" name="name" placeholder="Your Name" required>
                <input type="email" name="email" placeholder="Your Email" required>
                <textarea name="message" placeholder="Your Message" rows="5"
required></textarea>
                <button type="submit">Send Message</button>
            </form>
        </div>
    </section>



    <footer class="footer">
        <div class="footer-content">
            <div class="footer-logo">
                <img src="iconlogo.png" alt="Logo">
            </div>
            <nav class="footer-links">
                <a href="#">Home</a>
                <a href="#">About</a>
```

```html
        <a href="#">Menu</a>
        <a href="#">Reservations</a>
        <a href="#">Testimonials</a>
        <a href="#">Gallery</a>
        <a href="#">Contact</a>
      </nav>
      <div class="footer-social">
        <a href="#"><i class="fab fa-facebook"></i></a>
        <a href="#"><i class="fab fa-twitter"></i></a>
        <a href="#"><i class="fab fa-instagram"></i></a>
      </div>
    </div>
    <p class="footer-text">&copy; 2023 Burger Hut. All rights reserved.</p>
  </footer>


</body>
</html>
```

CSS Code

```css
* {
  margin: 0;
  padding: 0;
  font-family: 'Noto Sans', sans-serif;
  box-sizing: border-box; /* Added for better control of element dimensions */
}

/* Header */
header {
background-color: #070e16;
padding: 20px;
display: flex;
align-items: center;
justify-content: space-between;
}

.logo img {
height: 60px;
margin-left: 50px;
}
```

```css
nav ul {
list-style: none;
margin: 0;
padding: 0;
}

nav ul li {
display: inline-block;
margin-right: 15px;
}

nav ul li a {
text-decoration: none;
color: white;
font-weight: bold;
transition: color 0.3s ease;
}

nav ul li a:hover {
color: #ff0000;
}

/* Hero Section */
.hero {
background-image: url("hero-background1.jpg");
background-size: cover;
background-position: center;
height: 100vh;
display: flex;
text-align: left;
color: #fff;
}

.hero-content {
max-width: 600px;
padding: 20px;
margin-top: 50px;
margin-left: 4%;
}

.hero-content h1 {
font-size: 48px;
margin-bottom: 20px;
```

```css
}

.hero-content p {
font-size: 24px;
margin-bottom: 30px;
}

.btn {
display: inline-block;
background-color: #ff0000;
color: #fff;
padding: 10px 20px;
border-radius: 5px;
text-decoration: none;
font-weight: bold;
transition: background-color 0.3s ease;
}

.btn:hover {
background-color: #e60000;
}

/* About Section */
.about {
display: flex;
align-items: center;
padding: 80px 0;
}

.about-content {
flex: 1;
max-width: 600px;
padding-right: 50px;
color: #fff;
margin-left: 5%;
}

.about h2 {
font-size: 36px;
margin-bottom: 20px;
}

.about p {
```

```css
    font-size: 18px;
    margin-bottom: 20px;
}

.about-image {
    max-width: 45%; /* Adjusted for better layout */
    margin-right: 5%;
    text-align: center;
}

.about-image img {
    max-width: 100%;
    height: auto;
    border-radius: 5px;
}

.dark-theme {
    background-color: #070e16;
}

/* Menu Section */
.menu {
    padding: 80px 0;
    text-align: center;
    background-color: #070e16;
}

.menu h2 {
    font-size: 36px;
    margin-bottom: 40px;
    color: #ffffff;
}

.menu-items {
    display: flex;
    justify-content: center;
    flex-wrap: wrap; /* Added for better responsiveness */
}

.menu-item {
    max-width: 300px;
    margin: 10px 20px;
    text-align: left;
```

```css
}

.menu-item img {
max-width: 100%;
height: 180px; /* Fixed height for consistent layout */
border-radius: 5px;
margin-bottom: 10px;
}

.menu-item h3 {
font-size: 24px;
margin-bottom: 10px;
color: #ffffff;
}

.menu-item p {
font-size: 16px;
margin-bottom: 20px;
color: #ffffff;
}

/* Reservations Section */
.reservations {
background-color: #1f1f1f;
padding: 80px 0;
text-align: center;
}

.reservation-form {
max-width: 500px;
margin: 0 auto;
background-color: #333;
padding: 40px;
border-radius: 5px;
box-shadow: 0 0 10px rgba(0, 0, 0, 0.3);
}

.reservation-form h2 {
color: #fff;
font-size: 28px;
margin-bottom: 20px;
}
```

```css
.reservation-form form input,
.reservation-form form textarea {
display: block;
width: 100%;
padding: 10px;
margin-bottom: 20px;
border-radius: 5px;
border: none;
}

.reservation-form form button {
display: inline-block;
background-color: #ff0000;
color: #fff;
padding: 10px 20px;
border-radius: 5px;
text-decoration: none;
font-weight: bold;
transition: background-color 0.3s ease;
}

.reservation-form form button:hover {
background-color: #e60000;
}

/* Testimonials Section */
.testimonials {
padding: 80px 0;
text-align: center;
background-color: #070e16;
}

.testimonials h2 {
font-size: 36px;
margin-bottom: 40px;
color: #fff;
}

.testimonial {
max-width: 600px;
margin: 0 auto 40px;
text-align: left;
}
```

```css
.testimonial img {
display: block;
width: 80px;
height: 80px;
border-radius: 50%;
margin: 0 auto 20px;
}

.testimonial p {
font-size: 18px;
margin-bottom: 20px;
color: #fff;
}

.testimonial h4 {
font-size: 20px;
font-weight: bold;
color: #fff;
}

/* Gallery Section */
.gallery {
padding: 80px 0;
text-align: center;
background-color: #070e16;
}

.gallery h2 {
font-size: 36px;
margin-bottom: 40px;
color: #fff;
}

.image-grid {
display: grid;
grid-template-columns: repeat(auto-fit, minmax(200px, 1fr)); /* Responsive grid
*/
grid-gap: 20px;
margin-left: 5%;
margin-right: 5%;
}
```

```css
.image-item img {
width: 100%;
height: 150px; /* Fixed height for consistent layout */
object-fit: cover; /* Ensures images are scaled and cropped gracefully */
border-radius: 5px;
}

/* Contact Section */
.contact {
background-color: #333;
padding: 80px 0;
text-align: center;
color: #fff;
}

.contact-container {
max-width: 600px;
margin: 0 auto;
}

.contact h2 {
font-size: 36px;
margin-bottom: 40px;
}

.contact-info {
display: flex;
justify-content: center;
margin-bottom: 40px;
}

.info-item {
margin: 0 20px;
text-align: center;
}

.info-item i {
font-size: 24px;
margin-bottom: 10px;
}

.contact-form input,
.contact-form textarea {
```

```css
display: block;
width: 100%;
padding: 10px;
margin-bottom: 20px;
border-radius: 5px;
border: none;
}

.contact-form textarea {
resize: vertical;
}

.contact-form button {
display: inline-block;
background-color: #ff0000;
color: #fff;
padding: 10px 20px;
border-radius: 5px;
text-decoration: none;
font-weight: bold;
transition: background-color 0.3s ease;
}

.contact-form button:hover {
background-color: #e60000;
}

/* Footer */
.footer {
background-color: #070e16;
padding: 40px 0;
color: #fff;
text-align: center;
}

.footer-content {
display: flex;
flex-direction: column;
align-items: center;
margin-bottom: 40px;
}

.footer-logo img {
```

```css
max-width: 150px;
}

.footer-links a {
color: #fff;
margin: 0 10px;
text-decoration: none;
}

.footer-social a {
color: #fff;
margin: 0 5px;
text-decoration: none;
}

.footer-text {
font-size: 14px;
}
```

JavaScript Code

```javascript
// Smooth Scrolling for Navigation Links
document.querySelectorAll('nav ul li a').forEach(anchor => {
  anchor.addEventListener('click', function(e) {
    e.preventDefault();
    document.querySelector(this.getAttribute('href')).scrollIntoView({
      behavior: 'smooth'
    });
  });
});

// Add Interactive Reservation Form Feedback
const reservationForm = document.querySelector('.reservation-form form');
reservationForm.addEventListener('submit', function(e) {
  e.preventDefault();
  alert('Thank you for your reservation! We look forward to seeing you.');
  reservationForm.reset();
});

// Add Hover Effect to Gallery Images
const galleryImages = document.querySelectorAll('.image-item img');
galleryImages.forEach(image => {
```

```javascript
  image.addEventListener('mouseover', () => {
    image.style.transform = 'scale(1.1)';
    image.style.transition = 'transform 0.3s ease';
  });
  image.addEventListener('mouseout', () => {
    image.style.transform = 'scale(1)';
  });
});

// Testimonials Auto-Switcher
let testimonialIndex = 0;
const testimonials = document.querySelectorAll('.testimonial');
function showNextTestimonial() {
  testimonials[testimonialIndex].style.display = 'none';
  testimonialIndex = (testimonialIndex + 1) % testimonials.length;
  testimonials[testimonialIndex].style.display = 'block';
}
setInterval(showNextTestimonial, 5000); // Switch every 5 seconds
testimonials.forEach((testimonial, index) => {
  testimonial.style.display = index === 0 ? 'block' : 'none';
});

// Add Animation to Hero Section on Load
window.addEventListener('load', () => {
  const heroContent = document.querySelector('.hero-content');
  heroContent.style.opacity = '0';
  heroContent.style.transform = 'translateY(50px)';
  heroContent.style.transition = 'opacity 0.5s ease, transform 0.5s ease';
  setTimeout(() => {
    heroContent.style.opacity = '1';
    heroContent.style.transform = 'translateY(0)';
  }, 100);
});
```

4. Screenshots

4.1 Homepage
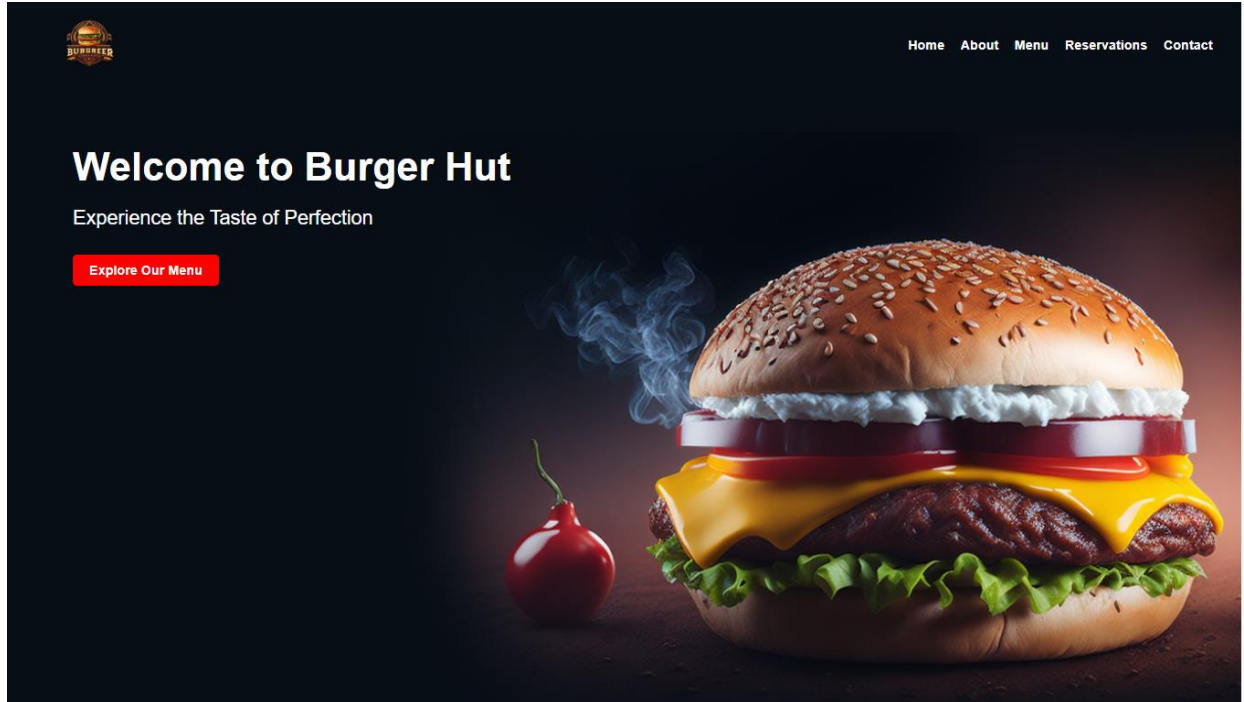
4.2 About Section

About Burger Hut

Experience the finest gourmet burgers in a cozy and rustic atmosphere. At Burger Hut, we are dedicated to delivering exceptional flavors that will tantalize your taste buds.

Our chefs meticulously craft each burger using locally sourced ingredients and unique flavor combinations. From juicy beef patties to mouthwatering vegetarian options, there's something for everyone.

Explore Our Menu

4.3 Menu Section

Our Menu

Classic Cheeseburger

A juicy beef patty topped with melted cheese, fresh lettuce, tomato, and our special sauce. Served with a side of crispy fries.

Veggie Delight

A delicious veggie patty made from a blend of fresh vegetables and spices. Topped with avocado, sprouts, and tangy mayo. Served with a side of sweet potato fries.

Spicy BBQ Burger

A fiery burger packed with flavor! Grilled chicken breast smothered in spicy BBQ sauce, topped with jalapenos, crispy onion rings, and chipotle mayo. Served with a side of coleslaw.

4.4 Gallery
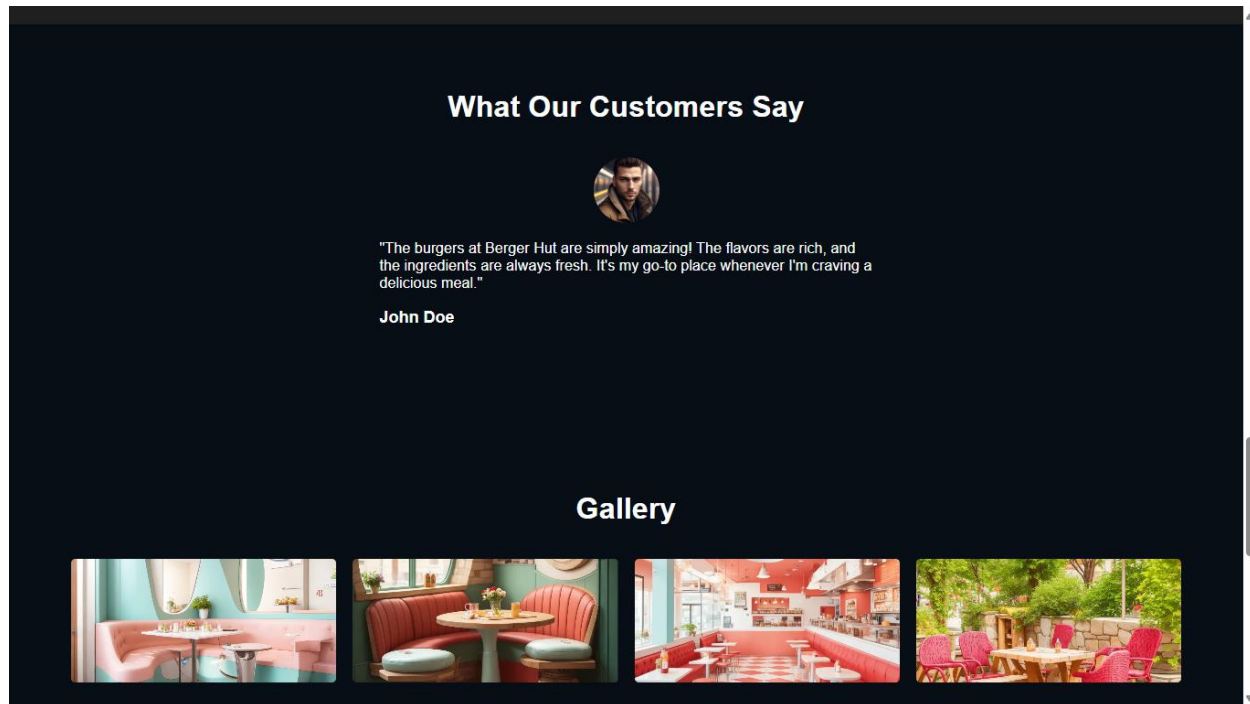
4.5 Reservation Form

5. Conclusion

The **Burger Hut Webpage** is a modern and interactive website that fulfills the requirements of a restaurant's online presence. It includes:

- Smooth navigation for a better user experience.
- Responsive design that adapts to different screen sizes.
- Functional reservation and contact forms.

This project is a demonstration of how **HTML**, **CSS**, and **JavaScript** can be effectively combined to create a visually appealing and functional website. It provides an excellent foundation for further enhancements, such as online ordering or integration with a backend system.

Future Scope

- Integration with a database for managing reservations dynamically.
- Adding animations for better visual effects.
- Enabling online ordering functionality.