Project-Z
Car Consultancy Website

Report

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1   Introduction

Project-Z is a car consultancy website designed to provide expert advice and personalized services to users, helping them navigate the complexities of car buying. The website features a responsive design, comprehensive services, and an interactive chatbot powered by the Chatbase.co API. This report documents the website's design, implementation, and features.

2   Website Overview

The Project-Z website is designed to offer a seamless user experience with a focus on providing valuable car consultancy services. The site is structured into various sections, including Home, Services, About Us, and Contact.

3   Features

3.1   Responsive Design

The website employs a responsive design to ensure a smooth browsing experience across different devices, including desktops, tablets, and mobile phones.

3.2   Comprehensive Services

Project-Z offers a range of services:

- Car buying consultancy
- Vehicle inspection
- Financial advice

3.3   Interactive Chatbot

The website integrates an interactive chatbot powered by the ChatBoty API. The chatbot serves as a car recommender system and a car guru, providing users with instant support and guidance.

4   Technologies Used

- HTML: For the structure and content of the website.
- CSS: To style and enhance the visual appeal of the website.
- JavaScript: For dynamic interactions and form handling.

5 Implementation

5.1 HTML Structure

The website's HTML structure includes sections for navigation, content, and a form for user interaction. Additionally, it includes a section for integrating the ChatBoty API.

5.1.1 HTML Code

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Project-Z | Car Consultancy</title>
    <link rel="stylesheet" href="styles.css">
</head>
<body>
    <header>
        <nav>
            <h1>Project-Z</h1>
            <ul>
                <li><a href="#home">Home</a></li>
                <li><a href="#services">Services</a></li>
                <li><a href="#about">About Us</a></li>
                <li><a href="#contact">Contact</a></li>
            </ul>
        </nav>
    </header>

    <main>
        <section id="home">
            <h2>Welcome to Project-Z</h2>
            <p>We provide top-notch car consultancy services to help you find the per
        </section>

        <section id="services">
            <h2>Our Services</h2>
            <ul>
                <li>Car buying consultancy</li>
                <li>Vehicle inspection</li>
                <li>Financial advice</li>
            </ul>
        </section>

        <section id="about">
            <h2>About Us</h2>
            <p>At Project-Z, we are committed to offering personalized and expert adv
        </section>
```

```html
        <section id="contact">
            <h2>Contact Us</h2>
            <form id="contactForm">
                <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>

                <label for="apiKey">ChatBoty API Key:</label>
                <input type="text" id="apiKey" name="apiKey" required>

                <button type="submit">Submit</button>
            </form>
        </section>

        <section id="chatbot" style="display:none;">
            <h2>Chat with Us</h2>
            <iframe id="chatbotIframe" src="" width="100%" style="height: 100%; min-h
        </section>
    </main>

    <footer>
        <p>&copy; 2024 Project-Z</p>
    </footer>

    <script src="scripts.js"></script>
</body>
</html>
```

5.2   CSS Styling

The website's styling enhances its visual appeal and ensures it is user-friendly across different devices.

5.2.1   CSS Code

```css
/* styles.css */
body {
    font-family: Arial, sans-serif;
    margin: 0;
    padding: 0;
    box-sizing: border-box;
}
```

```css
header {
    background-color: #333;
    color: white;
    padding: 10px 0;
}

nav {
    display: flex;
    justify-content: space-between;
    align-items: center;
    max-width: 1200px;
    margin: 0 auto;
    padding: 0 20px;
}

nav h1 {
    margin: 0;
}

nav ul {
    list-style: none;
    display: flex;
    gap: 20px;
    margin: 0;
    padding: 0;
}

nav ul li {
    margin: 0;
}

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

main {
    max-width: 1200px;
    margin: 20px auto;
    padding: 0 20px;
}

section {
    margin-bottom: 40px;
}
```

```css
footer {
    background-color: #333;
    color: white;
    text-align: center;
    padding: 10px 0;
    position: relative;
}

iframe {
    max-width: 1200px;
    margin: 20px auto;
    padding: 0 20px;
}

/* Responsive design */
@media (max-width: 768px) {
    nav ul {
        flex-direction: column;
        gap: 10px;
    }
}
```

5.3   JavaScript Functionality

The JavaScript code handles form submissions and dynamically loads the ChatBoty iframe based on the provided API key.

5.3.1   JavaScript Code

```javascript
// scripts.js
document.addEventListener('DOMContentLoaded', () => {
    const form = document.getElementById('contactForm');
    const chatbotSection = document.getElementById('chatbot');
    const chatbotIframe = document.getElementById('chatbotIframe');

    form.addEventListener('submit', (event) => {
        event.preventDefault();

        const apiKey = document.getElementById('apiKey').value;

        // Use the API key to load the ChatBoty iframe
        chatbotIframe.src = `https://www.chatbase.co/chatbot-iframe/${apiKey}`;
        chatbotSection.style.display = 'block';

        alert('Your message has been sent! We will get back to you soon.');
    });
});
```

6   Conclusion

The Project-Z website is designed to provide a seamless and responsive user experience, offering comprehensive car consultancy services and integrating an interactive chatbot powered by the ChatBoty API. The collaborative efforts of the project members have resulted in a robust and user-friendly platform that meets the needs of users seeking expert car advice.