

Project Documentation for Car Dealership Website

Project Overview

Company Name: “**Car-Deal\$**”

Description: Car-Deal\$ is an innovative car dealership platform designed to provide an exceptional car buying experience. The website aims to offer a diverse selection of cars, unparalleled customer service, and an overall seamless and personalized experience for users.

Purpose

The purpose of Car-Deal\$ is to revolutionize the car buying process by:

- **Providing a Diverse Vehicle Selection:** Allowing users to explore a wide range of cars to find the best fit for their needs and preferences.
- **Enhancing Customer Experience:** Delivering superior customer service and support to make the car buying journey smooth and enjoyable.
- **Offering Innovative Solutions:** Incorporating the latest technologies and features to improve the car buying experience and set new standards in the industry.

Objectives

1. **Provide a Wide Selection of Cars:** Offer users a broad range of vehicles to meet their needs, from luxury SUVs to fuel-efficient sedans.
2. **Deliver Exceptional Service:** Ensure top-notch customer service to maintain vehicle performance and customer satisfaction.
3. **Enhance User Experience:** Create a seamless and enjoyable car buying experience with a user-friendly interface and efficient navigation.

Milestones and Deadlines

1. Project Planning and Scope Definition

- **Project Planning:** Brainstorming on the topic for the website and creating the wireframe.
- Start Date: **18/07/2024 - Thursday**
- Completion Date: **20/07/2024 - Saturday**

2. Design Phase

- **Colour Theme:** Dark Blue + White for consistent look and feel.
- Start Date: **21/07/2024- Sunday**
- Completion Date: **24/07/2024 - Wednesday**

3. Development Phase

- **Navigation Links:** Designing the layout (skeleton using HTML).
- **Styling and creating overall body:** Using HTML and CSS and adding content.
- Start Date: **25/07/2024 - Thursday**
- Completion Date: **01/08/2024 - Thursday**

4. Testing and Quality Assurance

- **Debugging:** Debugging the website for any errors, following the instructions, ensuring the rubric is being followed, and using code validators to check for any errors.
- Start Date: **02/08/2024 - Friday**
- Completion Date: **05/08/2024 - Monday**

5. Deliverables Sent to the Professor, Including Documentation.

- **Submitted to eConestoga**
- Date: **06/08/2024**

6. Post-Delivery Meeting

- **In-Class Presentation with Team Members.**
- Date: **13/08/2024**

Team Roles and Responsibilities

1. Sarthak Gupta – (Student id: 8971797)

- **Role:** Developed Landing Page (index.html) & Structure for the HTML 5 Standard.
- **Responsibilities:**
 1. Designing the overall framework including consistent <header>, <nav>, and <footer>.
 2. Adding animations, transitions, and transformations on the landing page.
 3. Adding SVG logos for the home page.
 4. Designing the car image using Canva with a blue circular background and a spark emoji on the image.
 5. Adding Media Query breakpoints for the responsive and adaptive views and ensuring no 'font-size' property is used in media query breakpoints.

2. Jonty Christian - (Student id: 8942095)

- **Role:** Developed Cars Page (cars.html)
- **Responsibilities:**
 1. Designing the page structure.
 2. Creating a card view for listing all cars.
 3. Implementing search bar and filter functionality to search for specific cars.
 4. Using the <picture> tag and adding source images for optimizing mobile-friendly and responsive images.
 5. Implementing fluid typography across the entire website.

3. Harshkumar Patel - (Student id: 8901714)

- **Role:** Developed Service Page (service.html)

- **Responsibilities:**

1. Designing the form for users to book services.
2. Adding content and details about the types of services offered.
3. Describing how the services work for the company Car-Deal\$.

4. Simiya Rajan - (Student id: 8949711)

- **Role:** Developed Contact Page (contact.html)

- **Responsibilities:**

1. Designing the contact form.
2. Embedding the <iframe> for the map in the code for showing the store location.
3. Adding multiple contact information such as chat function, email, and office hours for users.
4. Adding SVG logos for the entire project wherever needed using Font Awesome.

5. Kirti Vaghasiya - (Student id: 8971404)

- **Role:** Developed About Page (about.html)

- **Responsibilities:**

1. Adding content about the company's vision, values, and mission.
2. Including testimonials from customers who have used the services of Car-Deal\$.
3. Implementing a slider for testimonials using the overflow property for mobile view.

Hosting Requirements

- **Hosting Provider:** Vercel
- **Server Requirements:**
 - Node.js Version: 18.x

- MongoDB: Managed through MongoDB Atlas
- **Dependencies:**
 - Express.js: For handling HTTP requests and server management.
 - Mongoose: For MongoDB object modeling and schema validation.
 - Body-Parser: For parsing incoming request bodies.
 - Nodemon: For development, to automatically restart the server on code changes.
 - jsonwebtoken: For handling JSON Web Tokens for authentication.
 - bcryptjs: For hashing passwords securely.
- **Domain Name:** www.cardeals.ca
- **SSL Certificate:** Required for secure data transmission.