

# Documentation: HTML & CSS for "Exclusive Luxury Cars" Website

## 1. Introduction

This documentation provides a detailed explanation of the HTML and CSS code used for the "Exclusive Luxury Cars" website. The purpose of this website is to showcase luxury cars, allowing users to browse an inventory and book appointments. The design is modern, responsive, and visually appealing.

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## 2. HTML Structure

The HTML file defines the structure of the webpage using semantic elements.

### 2.1 DOCTYPE Declaration

```
<!DOCTYPE html>
```

Defines the document as an HTML5 file.

### 2.2 Head Section

```
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Exclusive Luxury Cars</title>
  <link rel="stylesheet" href="styles.css">
</head>
```

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Specifies the character encoding.

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Ensures responsiveness on various devices.

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Links to an external CSS file.

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### 2.3 Header and Navigation

```
<header class="header">
  <nav class="navbar">
    <h1 class="logo">Elite Auto Hub</h1>
    <ul class="nav-links">
      <li><a href="#about">About</a></li>
      <li><a href="#inventory">Inventory</a></li>
      <li><a href="#services">Services</a></li>
      <li><a href="#contact">Contact</a></li>
    </ul>
    <div class="search-bar">
```

```

        <input type="text" placeholder="Search for luxury cars...">
        <button>Search</button>
    </div>
</nav>
</header>

```

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The `<header>` tag contains the website navigation.

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The `<nav>` element includes a logo and navigation links.

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A search bar is included for users to search for luxury cars.

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## 2.4 Hero Section

```

<section class="hero">
  <div class="hero-content">
    <h1>Discover the Pinnacle of Automotive Excellence</h1>
    <p>Luxury, Performance, and Prestige in Every Drive</p>
    <a href="#inventory" class="btn">View Inventory</a>
  </div>
</section>

```

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A full-width hero section introduces the brand.

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Includes a call-to-action button leading to the inventory.

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## 2.5 Inventory Section

```

<section id="inventory" class="cars">
  <h2>Featured Luxury Cars</h2>
  <div class="car-grid">
    <div class="car-card">
      
      <h3>Ferrari SF90 Stradale</h3>
      <p>A masterpiece of performance and elegance.</p>
      <button class="btn">Book Appointment</button>
    </div>
  </div>
</section>

```

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Displays featured luxury cars with images, descriptions, and a booking button.

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## 2.6 Footer Section

```
<footer class="footer">
  <p>&copy; 2024 Elite Auto Hub. All Rights Reserved.</p>
  <p>Contact us at <a href="mailto:nkyx1987@gmail.com">nkyx1987@gmail.com</a></p>
</footer>
```

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Displays copyright information and a contact email.

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## 3. CSS Styling

The CSS file enhances the visual appearance of the website.

### 3.1 General Styles

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

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Removes default browser styling.

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Enables better control over element sizing.

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### 3.2 Body Styling

```
body {
  font-family: 'Arial', sans-serif;
  background-color: #f4f4f4;
  color: #333;
}
```

- 

Defines the global font and background color.

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### 3.3 Header and Navigation

```
.header {
```

```
background: black;
color: white;
padding: 1rem 2rem;
display: flex;
justify-content: space-between;
align-items: center;
}
```

- 

Sets the background color and spacing for the header.

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### 3.4 Hero Section

```
.hero {
  background: url('hero-image.jpg') no-repeat center center/cover;
  height: 500px;
  display: flex;
  align-items: center;
  justify-content: center;
  color: white;
  text-align: center;
}
```

- 

Sets a background image.

- 
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Centers the content vertically and horizontally.

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### 3.5 Buttons

```
.btn {
  background: red;
  color: white;
  padding: 10px 20px;
  text-decoration: none;
  border-radius: 5px;
}
```

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Creates a styled call-to-action button.

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### 3.6 Car Grid Section

```
.car-grid {
  display: grid;
  grid-template-columns: repeat(auto-fit, minmax(300px, 1fr));
  gap: 1.5rem;
  padding: 2rem;
}
```

}

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Uses CSS Grid for a responsive layout.

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### 3.7 Footer

```
.footer {  
  background: black;  
  color: white;  
  text-align: center;  
  padding: 1rem;  
}
```

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Defines the footer styling.

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## 4. Conclusion

This documentation provides a breakdown of the HTML and CSS structure used to build the "Exclusive Luxury Cars" website. The design ensures a professional, user-friendly experience with a modern layout and responsive elements. Future improvements could include animations, advanced responsiveness, and additional features like a car filter or booking system.