**Project Proposal & Requirements Gathering**

**Project Title:**

**Online Used Car Marketplace**

**Team Members:**

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**1. Introduction**

The objective of this project is to develop an online platform for buying and selling used cars. The platform will provide a simple, user-friendly experience, allowing customers to browse, compare, and purchase pre-owned vehicles with confidence. It will include essential e-commerce features, vehicle history reports, and secure transactions to create a trustworthy marketplace for both buyers and sellers.

**2. Project Idea**

This project aims to solve common challenges in used car buying and selling, such as limited access to trusted sellers, lack of transparency in vehicle history, and difficulties in comparing options. By offering a digital marketplace with verified listings, secure payment options, and buyer-seller communication tools, we will create a convenient and efficient car shopping experience.

**3. Problem Statement**

Many buyers struggle to find reliable used cars due to a lack of verified sellers and incomplete vehicle information. Similarly, sellers face challenges in reaching genuine buyers and receiving fair pricing. Our platform will bridge this gap by providing a secure and transparent space where buyers can find high-quality used cars and sellers can easily list their vehicles with confidence.

**4. User Personas**

**Persona 1: The First-Time Buyer**

* Background: A young professional looking for an affordable and reliable car.
* Goals: Find a budget-friendly, well-maintained car.
* Pain Points: Lack of knowledge about pricing and car history.

**Persona 2: The Budget Shopper**

* Background: A cost-conscious buyer looking for the best deal.
* Goals: Compare prices and get basic details about car conditions.
* Pain Points: Uncertainty about hidden damages and fair market value.

**Persona 3: The Quick Seller**

* Background: A seller looking to sell their used car quickly and securely.
* Goals: List a car easily and find a buyer without hassle.
* Pain Points: Difficulty in finding buyers and fair price estimation**.**

**5. High-Level Functional Requirements**

**User Management:**

* registration and secure login.
* Simple profile management.
* **User Vehicle Listings & Search:**
* Search and filter cars by brand, model, and price.
* Basic vehicle pages with images, specifications, and pricing.

**Buying & Selling Features:**

* Simple listing system for sellers to upload car details.
* Contact system for buyers to send inquiries to sellers.

**Shopping Cart & Checkout:**

* Add cars to a favorites list for future reference.
* Basic checkout process with payment confirmation.

**Order & Transaction Management:**

* Order tracking and history for buyers and sellers.

**Admin Dashboard:**

* Inventory management and price adjustment.
* Sales monitoring.

**6. High-Level Non-Functional Requirements**

**Scalability:**

* The platform should handle an increasing number of users and listings.

**Performance:**

* Fast page load times and smooth search functionality.

**Security:**

* Secure authentication and encrypted transactions.

**Usability:**

* Simple navigation and mobile-friendly design.

**Reliability & Availability:**

* High uptime with minimal disruptions.

**Accessibility:**

* Compliance with web accessibility standards.

**7. Conclusion**

This project offers a practical and user-friendly solution for buying and selling used cars online. By focusing on essential features while maintaining a balance between ease of implementation and quality, we aim to create a scalable and engaging platform. Our marketplace will empower users by providing a **trusted** and **efficient** space where buyers can find well-maintained vehicles and sellers can quickly connect with potential customers. With a **secure** and **intuitive** design, we ensure that users of all experience levels can navigate the platform seamlessly.