

Automated Car Catalog System for Enhanced Showroom Management

- Improving Efficiency and Customer Experience
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Introduction

- Overview of the automotive showroom industry
- Challenges in traditional showroom management
- The need for automation in car cataloging

Objectives

- Automate the car cataloging process
- Provide real-time access to car details
- Improve sales team productivity
- Enhance customer experience with digital tools

System Features

- Dynamic car database
- Search and filter functionality
- High-quality image and spec display
- Integration with inventory and sales modules

System Architecture

- Frontend (User Interface)
- Backend (Database, Logic)
- Admin Panel
- Customer Portal
- Integration APIs

User Interface Demo (Screenshots)

- Home Page / Dashboard
- Car Search Page
- Car Detail Page
- Admin Upload Panel

Technologies Used

- Frontend: HTML, CSS, JavaScript / React / Angular
- Backend: Node.js / Python / PHP
- Database: MySQL / MongoDB
- Hosting: AWS / Heroku / Firebase

Benefits

- Faster customer query handling
- Reduced manual work for staff
- Real-time inventory updates
- Enhanced professionalism and tech-savvy image

Comparison with Traditional System

- | Feature | Traditional | Automated |
- |-----|-----|-----|
- | Manual Entry | | |
- | Real-time Update | | |
- | Visual Catalog | | |
- | Search Function | | |

Implementation Timeline

- Week 1-2: Requirement Gathering
- Week 3-4: UI/UX Design
- Week 5-7: Development
- Week 8: Testing and Deployment

Challenges and Solutions

- Challenge: Data inconsistency Solution: Centralized DB
- Challenge: Staff training Solution: Intuitive UI, training module