Automated Car Catalog System for Enhanced Showroom Management
•Improving Efficiency and Customer Experience
•Presented by: [c.kabeer]
•Date: [Date]
Introduction
•Overview of the automotive showroom industry
•Challenges in traditional showroom management
•The need for automation in car cataloging
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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
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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
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Challenges and Solutions
•Challenge: Data inconsistency → Solution: Centralized DB
•Challenge: Staff training → Solution: Intuitive UI, training module