

# **Project Report: Car Comparison System**

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**Abstract:** This project Car Comparison System represents a significant shift in how we approach comparing cars. Developed using PHP and MySQL, it's more than just code – it's a strategic solution to the challenges in Car Comparison. From managing Features to interacting with Customers and handling Enquiries, our system offers a holistic and user-friendly experience. As we explore its technological foundations and key features, we invite you to join us on a journey into the future of Car Comparison. Welcome to the unveiling of the Car Comparison System, where precision replaces manual errors, and a user-friendly interface transforms administrative tasks. It's not just an academic project; it's a practical, innovative, and impactful solution for internet and web systems.

## **Problems in existing System:**

- Manual errors and Mix-ups
- Disorganized Data Management
- Time-Consuming
- Administrative Tasks
- Limited Accessibility and Monitoring

## **Solution:**

Manual processes caused mistakes and mix-ups in comparing cars, leading to wrong information. Admins now have a clear view of the entire car comparison process in real-time. This helps in better management and decision-making. Now, all car details, customer info, and inquiries are neatly organized in one place, making it easy to find and manage everything efficiently.

## **Features of Car Comparison System:**

- Efficient search capabilities for Comparison Features, Enquiry, User, and Login  
Comprehensive information management for Customer and User.
- Effective monitoring of Comparison Features, Customer, and associated details.
- Streamlined operations for User, Comparison Features Advanced search options for Car, Accessories, Customer, and Enquiry records.
- Seamless integration of Accessories, Comparison Features, and Car modules. Easy-to-use CRUD operations for Feedback, Comparison Features, and Enquiry management.

## Modules of Car Comparison System:

- Admin Module: Admin manages all operations related to Car, ensuring efficient Car management.
- Comparison Features Module: This module is dedicated to managing Comparison Features and their associated operations.
- User Module: The User Module streamlines Customer management tasks with ease.

## Technologies Used:

- HTML
- PHP
- CSS
- Java Script

## Reason why we chose these technologies:

1.HTML: Chose for fundamental page structure and semantic content presentation in a universally recognized format.

2. PHP: Selected as a server-side scripting language for dynamic content, database interaction, and compatibility with MySQL.

3. CSS: Used to style HTML elements, ensuring separation of content and presentation while supporting responsive design.

4. JavaScript: Implemented for client-side interactivity, enhancing user interfaces with dynamic features across different browsers.

5. Standardization: HTML provides a standardized markup language for web content, ensuring compatibility across browsers.

6. Server-Side Logic: PHP's server-side capabilities were leveraged for processing data, interacting with databases, and server operations.

7. Community Support: PHP benefits from a large community and extensive resources, including frameworks like Laravel for efficient development.

8. Responsive Design: CSS enables the creation of visually appealing and adaptable designs for various screen sizes and devices.

9. Client-Side Interaction: JavaScript was essential for client-side scripting, introducing interactive elements and dynamic content to web pages.

10. Ecosystem: JavaScript's diverse ecosystem, with frameworks like React and Angular, provided tools to build feature-rich and scalable web applications.

### Division of Labor:

Abhinav Lakkaraj- Worked on the front end of the website for admin module.

Shashi Kiran Nagulapalli- Worked on the database and connecting the database with the database.

Varun Kumar Bejjenki- Worked on the styling of the website and the front end of user module.

### Conclusion:

The implementation of a Car Comparison System stands to benefit users in several ways. By providing a user-friendly and informative platform, individuals can make more informed decisions when purchasing a car. The system's features, such as detailed specifications and comparison tools, empower users to evaluate multiple options comprehensively. This not only saves time but also enhances the overall car-buying experience.