



VEHICLE REPAIR HUB

ENHANCING UX IN VEHICLE MAINTENANCE AND REPAIR



OUR TEAM

AAGHASH M

CHANDRU K T

LAKSHIN S

SRIVATHSAN K

OVERVIEW



Comprehensive Overview

The CS Vehicle Repair Hub serves as a holistic platform catering to all vehicle maintenance and repair needs of users, streamlining the management of automotive care.



Key Features

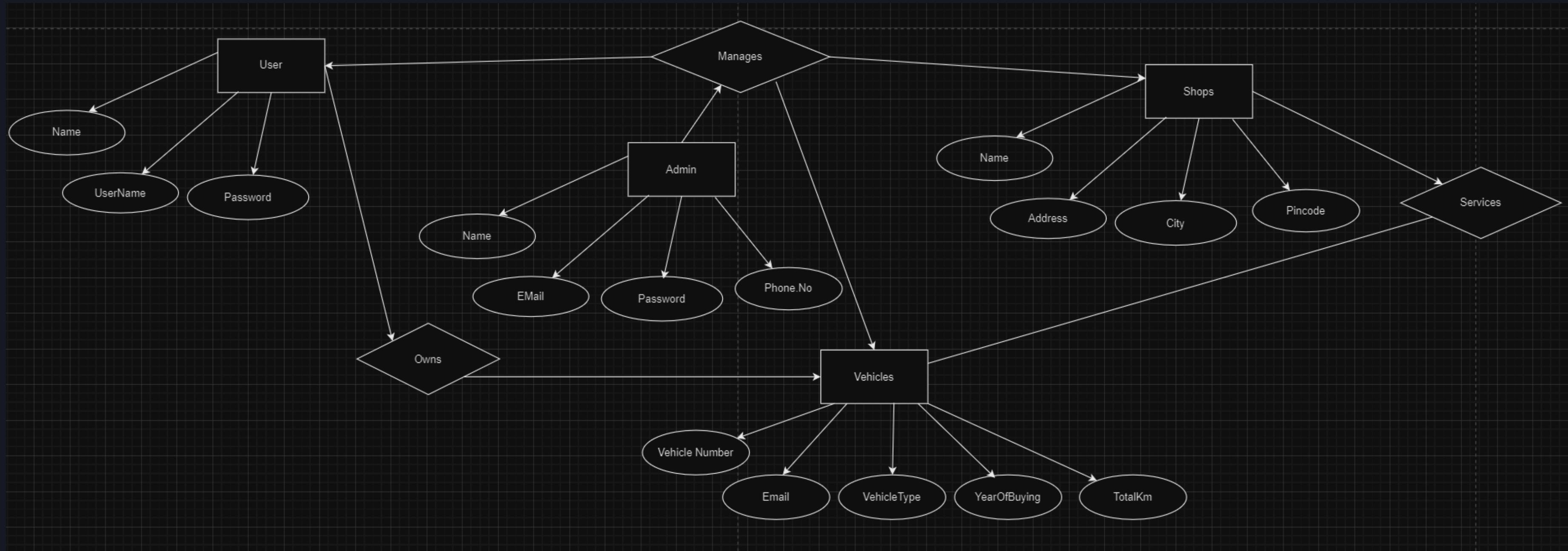
This hub integrates user-friendly registration, intricate vehicle detail management, an easily navigable service scheduler, and a wealth of self-help tutorials.



User Benefits

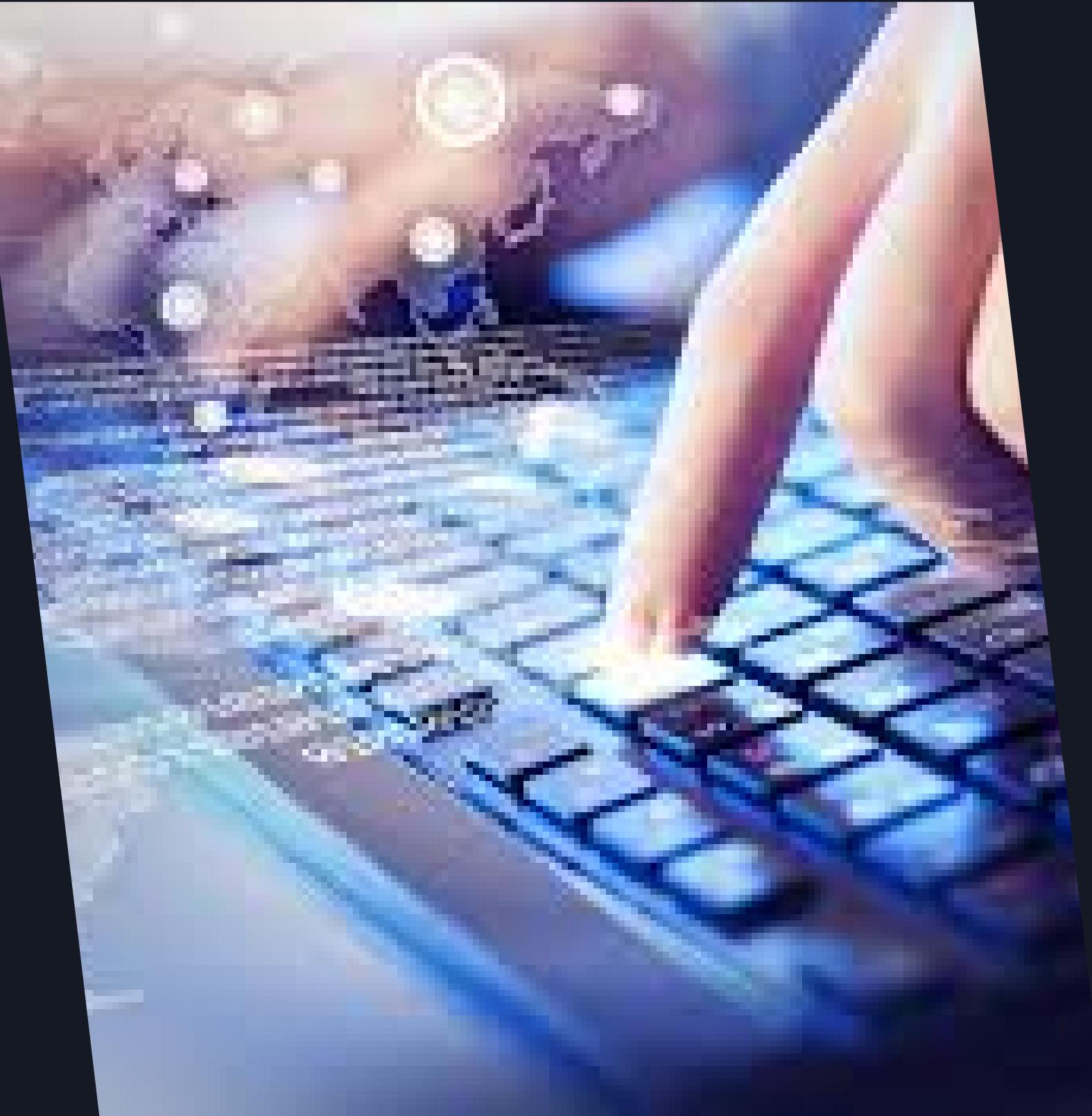
By utilizing the hub, users gain confidence in managing their automotive requirements, thus enhancing vehicle longevity and performance through informed choices.

ER DIAGRAM



TECH STACK

- **Modern Frontend Technologies:** The use of React and CSS enables the development of a responsive, modern user interface that enhances the user experience significantly.
- **Powerful Backend Infrastructure:** Spring Boot serves as the backbone, managing server-side processing and business logic effectively, ensuring robustness and performance.
- **Reliable Data Management:** MySQL provides a reliable and efficient database solution for storing user information, vehicle data, and service records.
- **YouTube API Integration:** Integration of YouTube's API facilitates seamless access to video tutorials, enriching the user experience with multimedia resources.



USER REGISTRATION



Seamless Registration

Our user registration process is designed to be effortless, guiding users through each step with clarity and accessibility.



Account Verification

We ensure security and trust through a robust account verification system, confirming user identities before granting access to services.



Profile Management

Users can easily manage their profiles, update information, and track their vehicle's service history at their convenience.

VEHICLE DETAILS MANAGEMENT



Holistic Vehicle Storage

Users can input detailed information about their vehicles, including make, model, year, and specific maintenance needs, all within a centralized hub.



Maintenance Records

The platform enables users to keep a thorough log of all services, repairs, and inspections performed on their vehicles, fostering better maintenance practices.



Customization Options

Users can select additional features and preferences for their vehicle management experience, tailoring the platform to their unique needs.

SERVICE BOOKING



Intuitive Scheduling

The service date selection system is designed to facilitate straightforward scheduling of vehicle maintenance and repair services, minimizing user friction.



Automated Reminders

Users receive timely notifications ahead of scheduled services, which helps in planning and reduces the likelihood of missed appointments.



Calendar Integration

This feature seamlessly integrates with existing calendars, allowing users to sync appointments and ensure they never miss an important date.



User-Friendly Interface

The user interface is crafted for efficiency and ease of use, making it accessible to individuals with varying technical skills.

INFORMATIVE GUIDES



Educational Content

We provide rich educational materials that cover a range of vehicle maintenance topics to ensure users are well-informed and confident.



DIY Tutorials

Step-by-step guides empower users to take on minor repairs themselves, fostering independence and confidence.



Repair Tips

Regularly updated tips help users keep their vehicles in optimal condition and learn preventative maintenance strategies.

DIRECTORY OF SHOPS



Location-Based Services

Users can find local repair shops based on their geographic location, facilitating quick access to repair services when needed.



Detailed Contact Information

Each entry in the directory includes essential details like phone numbers, address, and shop hours, streamlining communication for users.



Comprehensive Shop Reviews

The platform aggregates user reviews and ratings, helping users make informed decisions on which repair shops to trust for their vehicle needs.



Enhanced User Accessibility

The directory is designed for easy visibility across multiple devices, making it user-friendly and accessible wherever required.

EMPOWERING WITH TIPS

- **Essential Maintenance Tips:** Regular maintenance tips provided help users uphold vehicle health, potentially preventing costly repairs in the long run.
- **Actionable Troubleshooting Guides:** Users gain access to troubleshooting guides that enable them to quickly address minor vehicle problems with confidence.
- **Proactive Prevention Strategies:** Advice centered on proactive measures, such as regular check-ups and monitoring fluid levels, empowers users to manage their vehicles effectively.
- **Building User Confidence:** By equipping users with knowledge, the platform fosters confidence in handling their vehicle's maintenance issues independently.



ADMIN DASHBOARD



- **User Management Features:** The admin dashboard provides robust tools for managing user data, permissions, and settings, ensuring optimal platform operation.
- **Role Permissions Administration:** Flexibility to assign specific roles and permissions enhances the security and organization of operations on the platform.
- **Data Analysis and Insights:** The dashboard allows for tracking user interactions and system performance, facilitating data-driven decision-making for service improvements.

**THANK
YOU**

