

# Garage Glide

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## Project Description

Our project presents the implementation of a web-based platform for facilitating and managing car maintenance and repair services. The primary objective is to unite car owners and local garages, enabling both parties to have a seamless and efficient experience. The platform offers two interfaces: one for customers and the other for garage staff and managers.

Customer:

- Search Functionality: allows customers to find garages and services that are being offered.
- Booking system: Customers can select services and book appointments.
- Automated Reminders: Send automatic confirmation emails for their upcoming appointments.
- Access Service History: Details of past repairs and maintenance.
- Feedback Mechanism: Customers can leave a review.

Garage:

- Customer Management: edit/create new accounts for customers.
- Booking Management: staff can book services for customers.
- Service Detail: view service history and enter any additional details.
- Business Monitoring: Garage managers can monitor business performance.

## Results

Our solution provides a responsive web platform built using the React Remix framework. We have utilised a range of APIs and custom-developed functionalities to ensure a personalised experience and fulfil the garage's requirements.

Tailwind CSS has enabled us to access a huge library to make the website look attractive and user-friendly. When a car owner registers for an account or makes a booking, the system automatically sends automatic confirmation with the help of EmailJS.

Additionally, we've prioritised the security of reliably handling staff and car owner's information. Hence, our team has developed authentication and validation methods in-house, and all the details (such as customer accounts, staff accounts, bookings, etc.) are stored securely in the MySQL database.