

# **Project Report**

**Title:** Garage Management System

**Internship Provider:** SmartInternz Internship provided  
by Salesforce

**Project Role:** Salesforce Developer

**Platform Used:** Salesforce Developer Edition

## **Introduction**

The Garage Management System is developed to simplify and efficiently handle various garage operations using the Salesforce Developer Edition. This project makes use of Salesforce's extensive tools to enhance user experience, maintain accurate data, and boost overall productivity. By automating critical processes, it reduces manual workload, minimizes errors, and delivers valuable insights through detailed reports and analytics. The system is designed to tackle common challenges garages face, such as organizing customer records,

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tracking vehicle service history, and managing team coordination effectively. With features like approval workflows, Einstein Activity Capture, and custom processes, it offers a streamlined and scalable solution for modern garage management.

## **Objectives :-**

This project is aimed at developing Range Management System by using Salesforce Developer Edition.

This includes:

- **Efficient Data Management:** Build a single platform to store and organize all garage-related information, making it easier to access and update.
  - **Secure Access Control:** Set up clear roles and permissions to ensure only authorized people can view or edit specific data, keeping everything safe and private.
  - **Automation of Manual Tasks:** Reduce the need for repetitive manual work by introducing automated workflows, rules for data validation, and triggers that complete tasks automatically.
  - **Improved Team Coordination:** Provide tools to help team members work together more effectively, such as task
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assignments, approvals, and shared updates.

- **Detailed Tracking and Reporting:** Include features to track vehicle service history, customer details, and team performance, offering useful insights through detailed reports and analytics.
- **Scalability and Customization:** Ensure the system can grow with the business and adapt to new needs through custom workflows and integrations with other tools.

## Key Features and Tasks Completed

### 1. Custom Objects:

- Created objects to store garage-related data.
- Linked standard and custom objects to keep data organized.

### 2. Tabs:

- Added custom tabs for quick access to important data.

### 3. Lightning App:

- Built a user-friendly Lightning App for managing the garage system.

### 4. Fields:

- Created fields to store garage, vehicle, and service details.

### 5. Validation Rules:

- Added rules to make sure data is entered correctly, like ensuring vehicle registration numbers follow a format.
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## **6. Duplicate Rules:**

- Prevented duplicate entries in the system.

## **7. Profiles:**

- Set up user profiles to control who can see or edit certain data.

## **8. Roles and Role Hierarchy:**

- Defined roles and a structure to manage access.

## **9. Users:**

- Added users and assigned roles based on their duties.

## **10. Public Groups:**

- Created groups to share data and make teamwork easier.

## **11. Sharing Settings:**

- Set rules to control data visibility among users.

## **12. Flows:**

- Automated tasks and processes using Salesforce Flows.

## **13. Apex Triggers:**

- Wrote triggers to handle complex tasks and automate processes.

## **14. Reports:**

- Made reports to track garage activities, service history, and customer data.

## **15. Dashboards:**

- Designed dashboards to show key metrics visually.
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**16. Email Templates:**

- Created templates for sending automated emails and updates.

**17. Data Import Wizard:**

- Used tools to import large amounts of garage and vehicle data.

**18. Workflow Rules:**

- Automated repetitive tasks like sending reminders or notifications.

**19. Approval Processes:**

- Set up workflows for approving important decisions.

**20. Custom Metadata Types:**

- Configured metadata for flexible and reusable system settings.

**21. Einstein Activity Capture:**

- Enabled smarter activity tracking and insights for better decision-making.
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## Output :-

The screenshot displays the Salesforce Lightning interface for the 'Garage Management' application. The top navigation bar includes a search bar and a menu with options: Customer Details, Appointments, Service records, Bill details and feedback, Reports, and Dashboards. The main content area is titled 'Customer Details' and features a sub-header 'Chinmay'. Below this, there are buttons for 'New Contact', 'Edit', and 'New Opportunity'. The 'Details' tab is active, showing a form with the following fields:

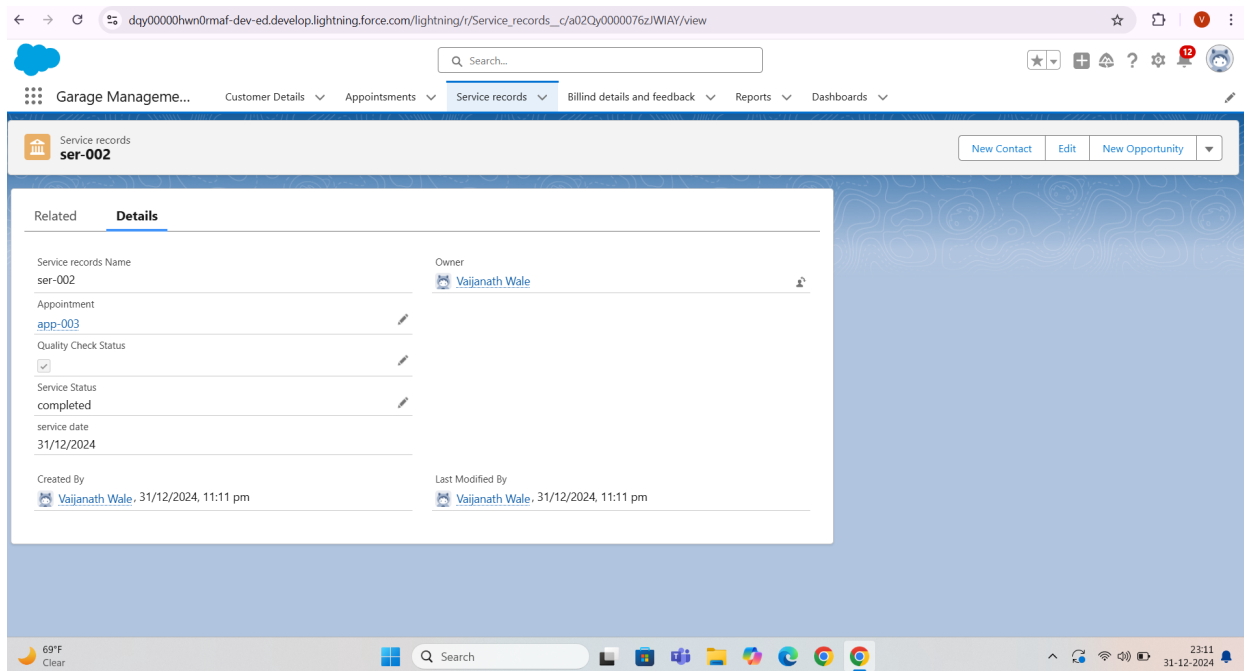
Field	Value	Action
Customer Name	Chinmay	Edit
Phone Number	9359653864	Edit
Gmail	chinmay123@gmail.com	Edit
Created By	Vaijanath Wale, 31/12/2024, 2:23 pm	
Last Modified By	Vaijanath Wale, 31/12/2024, 2:23 pm	

The bottom of the screen shows a Windows taskbar with the date 31-12-2024 and time 23:12.

The screenshot displays the Salesforce Lightning interface for the 'Garage Management' application, showing the 'Appointment Details' page for an appointment named 'app-003'. The top navigation bar is the same as the previous screenshot. The main content area is titled 'Appointment app-003' and features buttons for 'New Contact', 'Edit', and 'New Opportunity'. The 'Details' tab is active, showing a form with the following fields:

Field	Value	Action
Appointment Name	app-003	
Owner	Vaijanath Wale	
Customer Details	Chinmay	Edit
Maintenance service	<input checked="" type="checkbox"/>	Edit
Repairs	<input checked="" type="checkbox"/>	Edit
Replacement Parts	<input type="checkbox"/>	Edit
Appointment Date	01/12/2024	Edit
Service Amount	₹5,000	Edit
Vehicle number plate	TSS0EU0997	Edit
Created By	Vaijanath Wale, 31/12/2024, 2:24 pm	
Last Modified By	Vaijanath Wale, 31/12/2024, 2:24 pm	

The bottom of the screen shows a Windows taskbar with the date 31-12-2024 and time 23:12.



## Conclusion :-

The Garage Management System developed using Salesforce Developer Edition is a comprehensive and efficient solution for managing garage operations. By automating manual tasks, ensuring data accuracy, and improving user collaboration, the system streamlines daily processes and enhances overall productivity. Features like role-based access control, validation rules, and custom workflows ensure data security and operational consistency. This project successfully addresses the key challenges faced by garages, offering a modern, user-friendly platform

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that saves time, reduces errors, and ensures seamless management of services, customers, and team operations.

