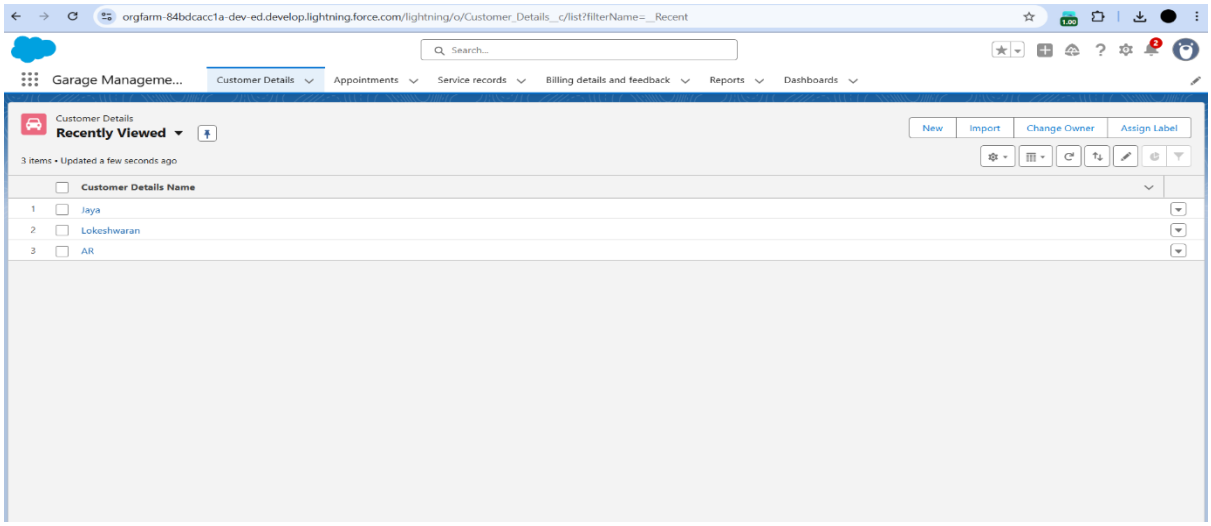
Performance and Testing

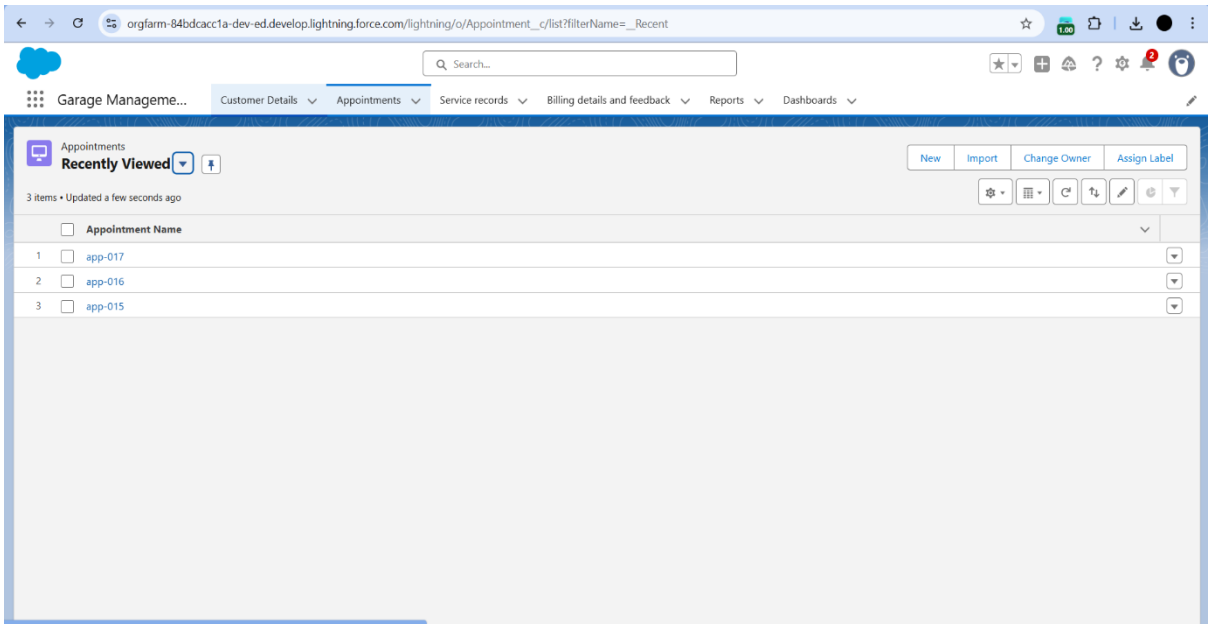
Date	05 NOV 2025
Team ID	NM2025TMID01008
Project Name	Garage Management System
Team Members	Arasu M Lokeshwaran M Jayabalan R Jaya Surya J

Model Performance Testing :

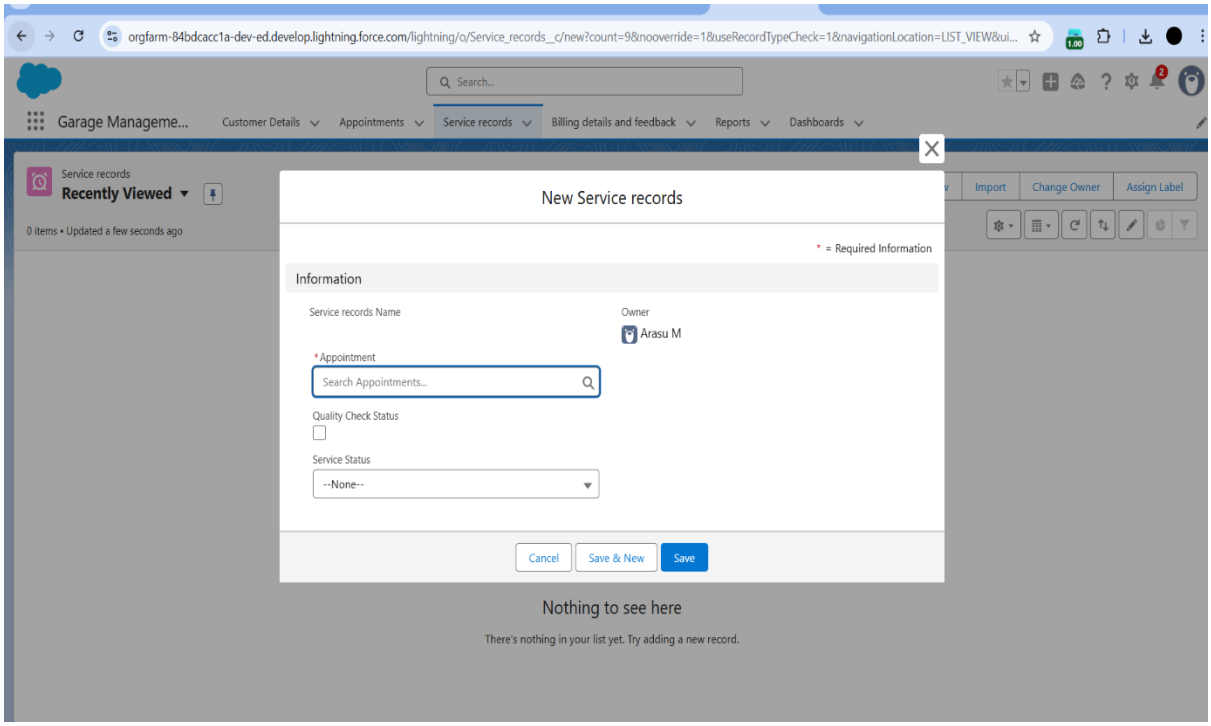
Create Custom Details :



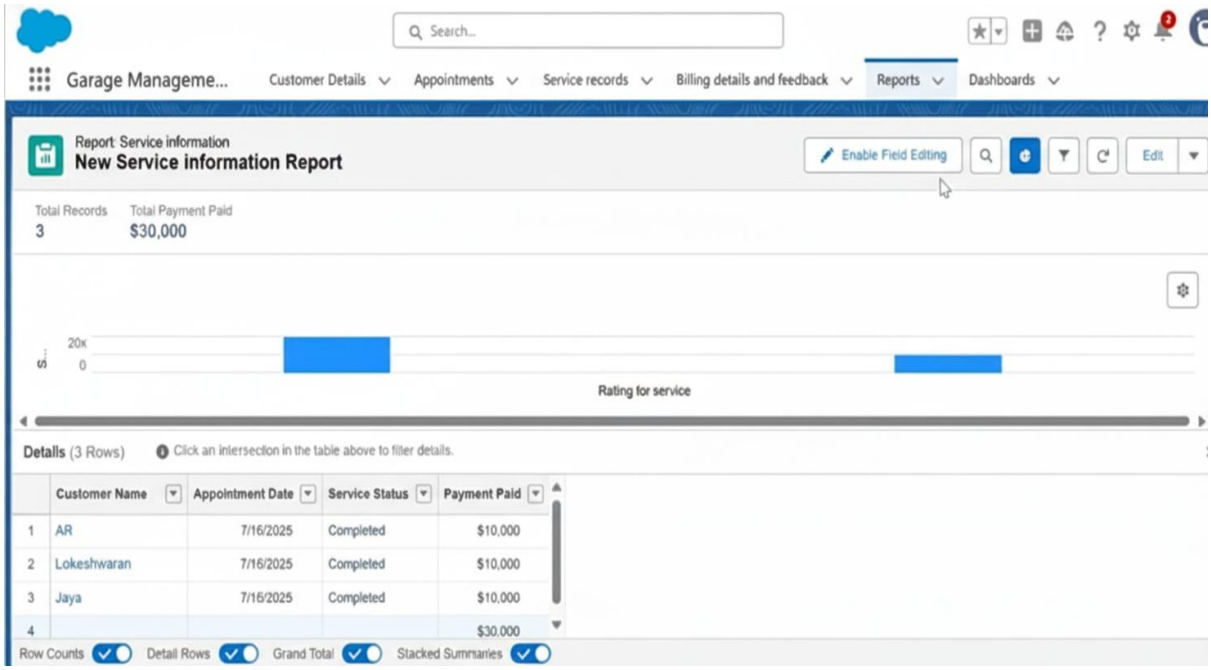
Create Appointments:



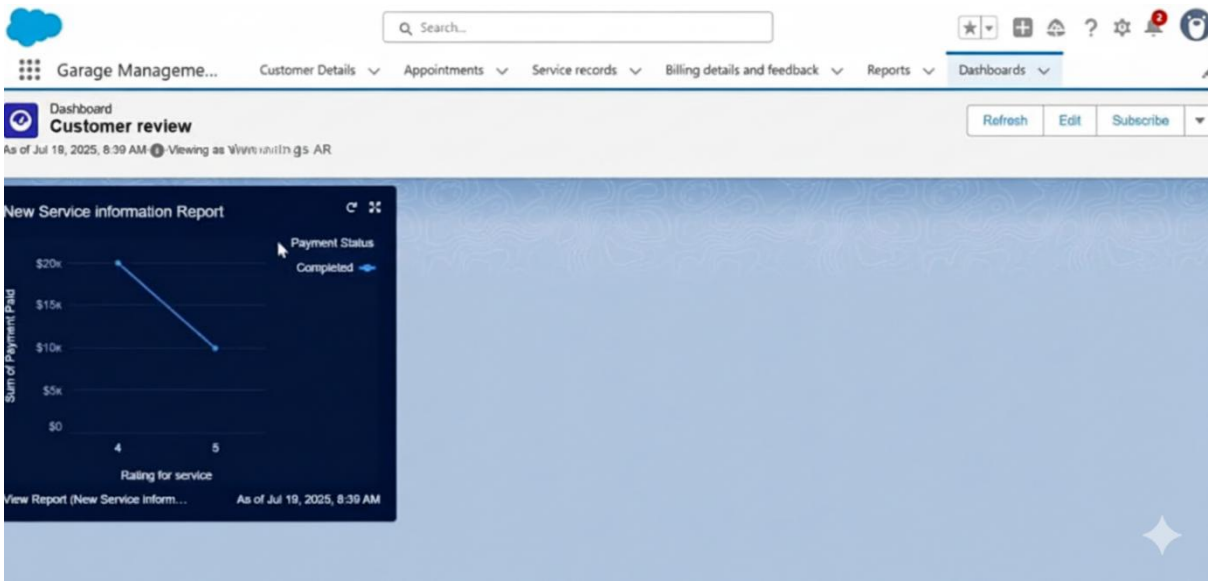
Create New Service records :



View Reports :



View Dashboards :



Performance Testing :

Performance testing was conducted to evaluate the efficiency, responsiveness, and stability of the **Garage Management System** developed on the Salesforce platform. The objective was to ensure that the system performs reliably under various workloads and user conditions.

Key focus areas included:

- **Load Handling:** Verified that the system can handle multiple concurrent admin and staff operations (such as adding, updating, and deleting customer or vehicle data) without performance degradation.
- **Response Time:** Measured the time taken for key operations—such as viewing service records or assigning a mechanic—to ensure all actions complete within acceptable limits.
- **Scalability:** Confirmed that system performance remains stable as the volume of users, vehicles, and incidents grows.
- **Database Efficiency:** Ensured that queries on Salesforce objects (like Vehicle, Customer, and Service Records) execute quickly through indexed fields and optimized SOQL queries.
- **System Reliability:** Tested under stress conditions to validate that no data loss, service interruption, or timeout occurs during peak operations.

The results demonstrated that the Garage Management System meets performance expectations with **consistent response times, reliable data operations, and high scalability**, ensuring a smooth user experience for admins and service staff alike.

Acknowledgement :

We would like to express our sincere gratitude to **Naan Mudhalvan** and **Salesforce** for providing the opportunity to work on this innovative project titled *"Garage Management System using Salesforce."*

We extend our heartfelt thanks to our mentors and faculty members for their continuous guidance, support, and encouragement throughout the project development.

We also thank our teammates — **Arasu M, Lokeshwaran M, Jayabalan R, and Jaya Surya J** — for their collaboration, dedication, and teamwork in successfully completing the project.

Finally, we are grateful to our institution for offering us the necessary resources, technical support, and environment to explore cloud-based solutions using Salesforce technology.

----Thank You----