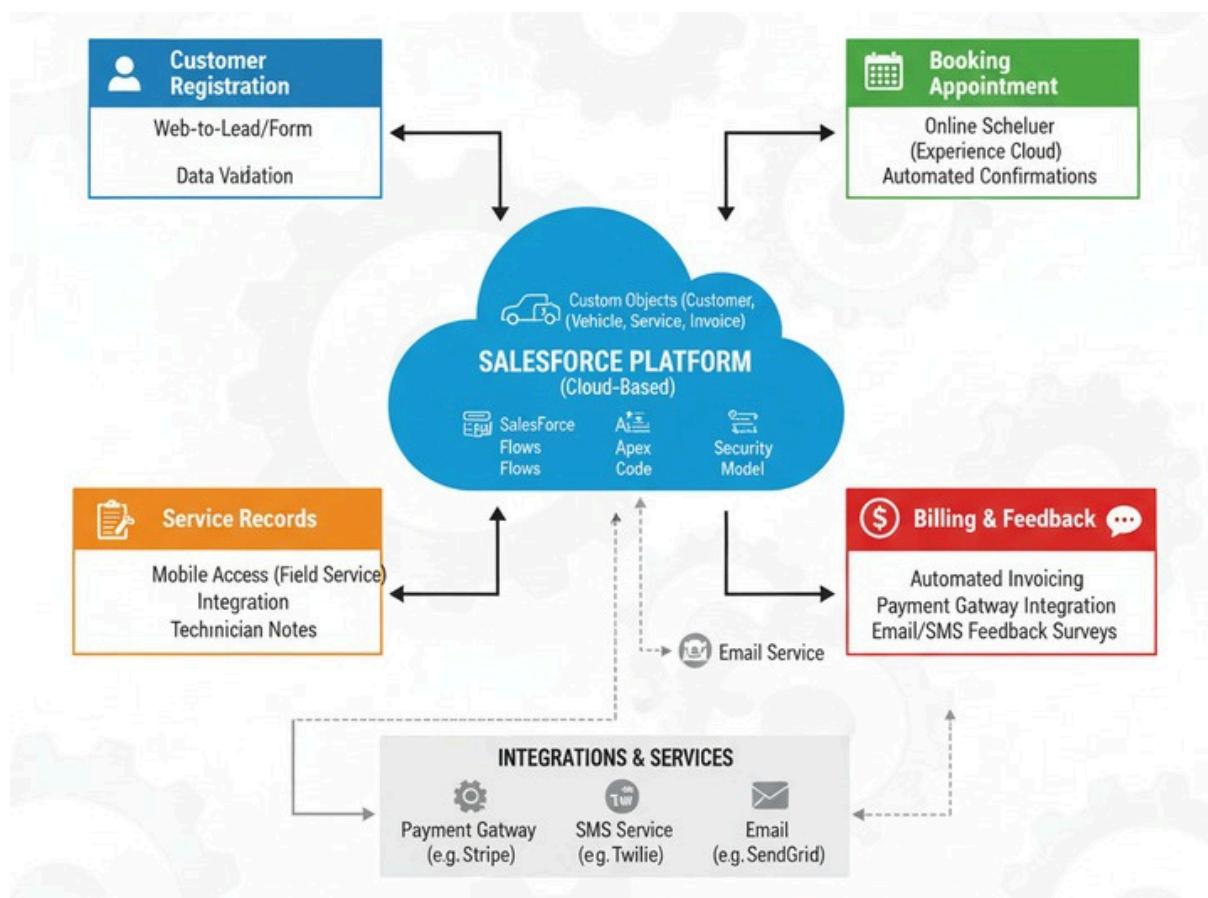


# TECHNOLOGY STACK

Date	23 October 2025
Team ID	NM2025TMID01244
Project Name	Garage Management System
Maximum Marks	4 Marks

**Technical Architecture :** The Garage Management System is developed using Salesforce's cloud-based architecture, seamlessly integrating modules for Customer Management, Appointment Scheduling, Service Tracking, and Billing & Feedback. Real-time data visualization and performance monitoring are achieved through interactive dashboards and analytical reports, enabling informed decision-making.



**Table-1 : Components & Technologies :**

The Garage Management Project utilizes Salesforce technologies such as Apex, Flows, and Custom Objects to automate core operations. Each component—from customer management to reporting—works cohesively to ensure data accuracy, service efficiency, and secure role-based access within the cloud environment.

S.No	Component / Module	Technology / Tool Used	Description
1	Customer Management	Salesforce Objects & Forms	Manages customer details, contact information, and relationships.
2	Vehicle Management	Custom Salesforce Objects Salesforce Flows &	Stores and links vehicle data to corresponding customers. Automates service scheduling and
3	Service Booking	Validation Rules Apex Triggers & Formulas	ensures accurate data entry. Generates automated invoices based on completed services.
4	Billing System	Salesforce Forms & Reports	Captures customer satisfaction data for quality improvement.
5	Feedback Module	Salesforce Reports & Dashboards Role Hierarchies &	Provides real-time performance, revenue, and service insights. Ensures data security through role-based user permissions.
6	Reporting & Dashboard	Permission Sets	
7	Security & Access Control		

**Table-2: Application Characteristics:**

The Garage Management Project exhibits key characteristics such as scalability, automation, and security. Built on Salesforce, it offers real-time reporting, seamless integrations, and reliable data access, ensuring efficient and intelligent management of garage operations.

S.No.	Characteristic	Description
1	Cloud-Based Platform	Built entirely on Salesforce, enabling anytime, anywhere access.
2	Automation	Uses Flows and Apex to automate service, billing, and feedback processes.
3	Scalability	Easily adaptable to handle more users, vehicles, and services as business grows.
4	Integration	Supports integration with external payment and notification systems.
5	Security	Ensures data confidentiality with Salesforce role-based and permission set controls.
6	Real-Time Reporting	Provides instant insights through dynamic dashboards and analytical reports.