

# Solution Architecture

## ### Architecture Overview

The architecture of the Garage Management System is layered to ensure modularity, scalability, and performance optimization.

## ### Layers Description

1. **User Interface Layer:** Salesforce Lightning App allows users to interact with GMS visually.
2. **Application Logic Layer:** Uses Apex triggers, validation rules, and automation flows to process data.
3. **Data Layer:** Stores all customer, appointment, and billing records in Salesforce objects.
4. **Analytics Layer:** Generates dashboards and reports for business insights.

## ### Diagram

The following architecture diagram illustrates the logical flow and data hierarchy.

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