Project Design Phase-II
Data Flow Diagram & User Stories
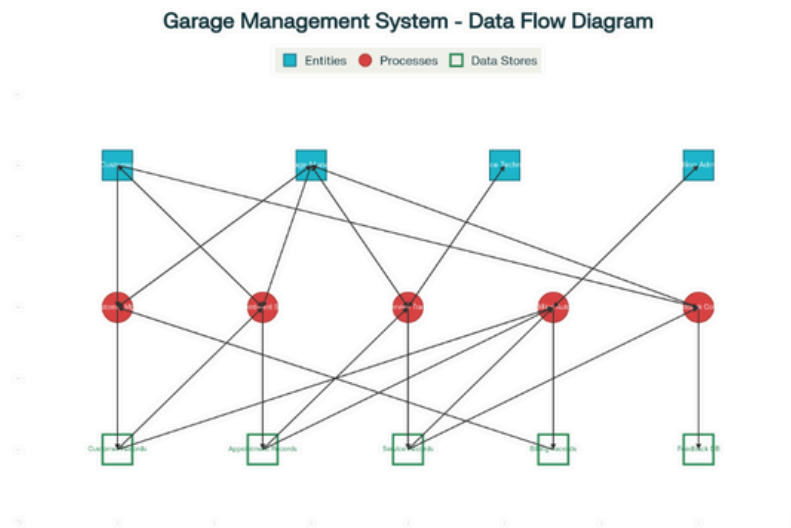
Date	1 NOV 2025
Team ID	NM2025TMID02085
Project Name	Garage Management system
Maximum Marks	4 Marks

Data Flow Diagrams:

A Data Flow Diagram (DFD) visually represents the flow of information within the Garage Management System. It illustrates how data enters and exits the system, the transformations or processes that occur, and where data is stored.

In our Garage Management System, the DFD shows the interaction between various users — including garage managers, service technicians, billing administrators — and the system components, such as custom objects for customers, appointments, services, and billing records.

For example, when a service appointment is scheduled, the flow begins with a customer request, which triggers processes like conflict checks, scheduling confirmation, and automated reminders. Technicians update service progress, which triggers billing automation and status updates.

Payment and feedback data flow back to the system, updating dashboards for managerial review.

Garage Management System - Data Flow Diagram

User Stories:

User stories define the specific requirements from the perspective of different project stakeholders. They describe what the users need to achieve and serve as the foundation for system design and sprint planning.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
		USN-1				
Garage Administrator	Customer Management		As a garage admin, I can create, update, and delete customer records with validations to prevent errors.	- Record must reject invalid data	High	Sprint-1
Service Technician	Appointment Scheduling	USN-2	As a technician, I want to view and update service appointment details to track progress accurately.	- Appointment visible to assigned technician	High	Sprint-1
Billing Admin	Automated Billing	USN-3	As a billing staff, I want the system to calculate service charges automatically and generate invoices.	- System calculates bill correctly	High	Sprint-2