

Project Design Phase-II

Data Flow Diagram & User Stories

Date	02 NOVEMBER 2025
Team ID	NM2025TMID05213
Project Name	Garage Management System
Maximum Marks	4 Marks

Data Flow Diagrams:

A Data Flow Diagram (DFD) is a visual representation of how information flows within the Garage Management System. It graphically depicts processes such as vehicle check-in, service tracking, and customer billing, showing how data enters and leaves the system, what changes it, and where it is stored. The DFD illustrates the interaction between customers, garage staff, service records, and billing modules to provide efficient garage operations and customer satisfaction.

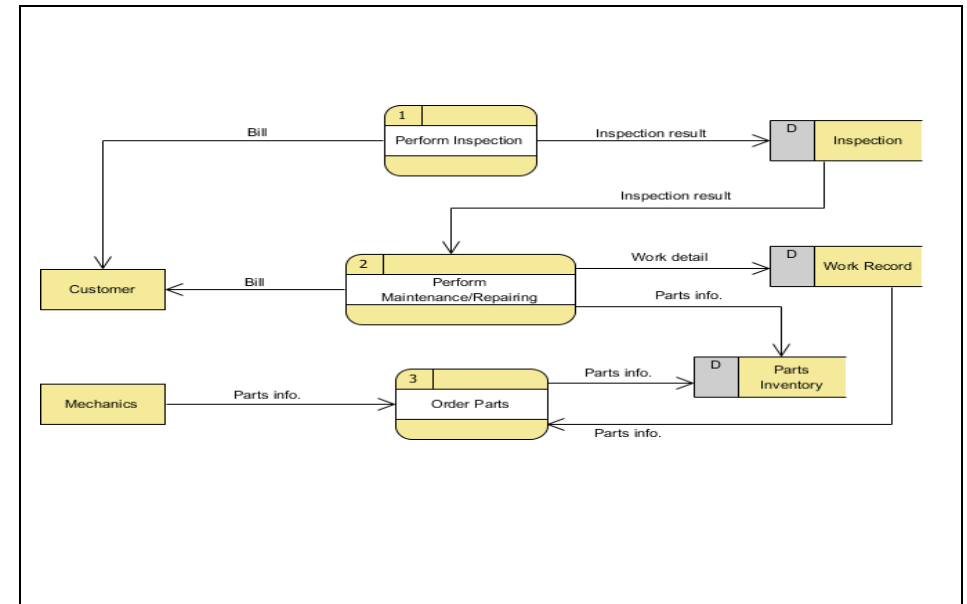
Example:

Customer (submits vehicle and service request)

Garage staff/admin (manage vehicle intake, assign work)

Mechanic (updates service progress)

Billing system (generates bill based on services rendered)



User Stories:

User stories define what different users need from the Garage Management System in clear, goal-focused language, ensuring essential functionality like maintenance logging or billing transparency is delivered.

User Type	Functional Requirement	Epic	User Story Number	User Story	Task	Acceptance Criteria	Priority	Release
Administrator	Vehicle Management	USN-1	USN-1	As an admin, I want to add a new vehicle to the system	Vehicle Addition	System should allow new vehicle registration	High	Sprint-1
Mechanic	Service Tracking	USN-2	USN-2	As a mechanic, I want to update the service status of vehicles	Service Update	System should allow status change for assigned work	High	Sprint-1
Customer	Billing Notification	USN-3	USN-3	As a customer, I want to get a notification when my bill is ready	Bill Generation & Notification	System should send notification after service billing	Medium	Sprint-2