

## Project Design Phase-II

### Data Flow Diagram & User Stories

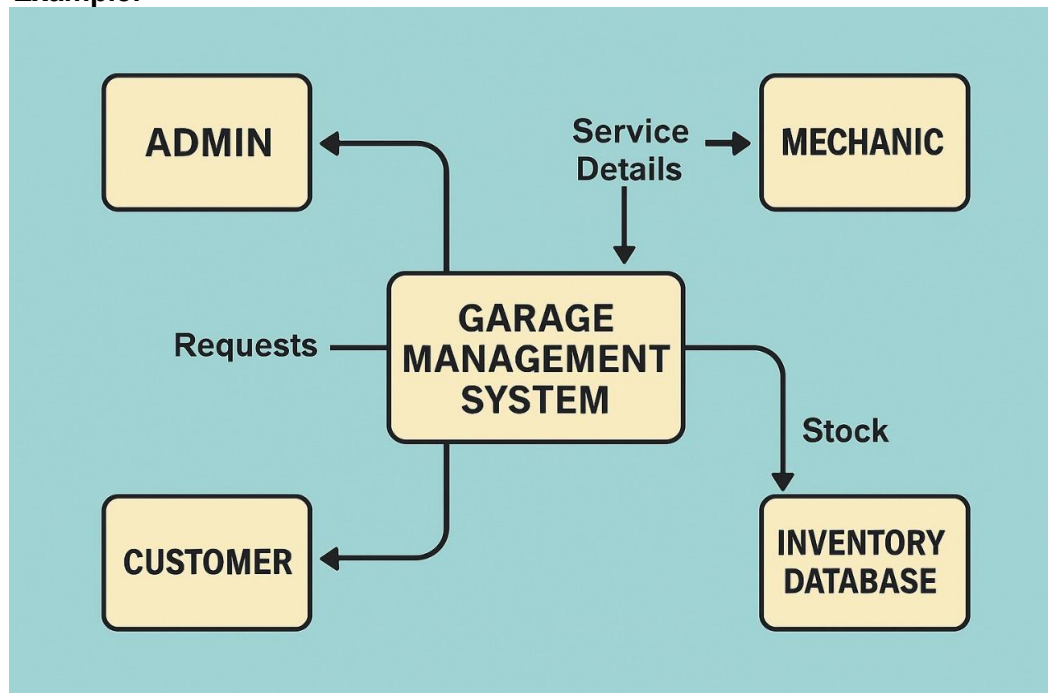
Date	27 OCTOBER 2025
Team ID	NM2025TMID05681
Project Name	Garage Management System
Maximum Marks	4 Marks

#### Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a Garage Management System. A neat and clear DFD can depict the right amount of system requirements graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

In the Garage Management System, Data Flow Diagrams (DFDs) illustrate how vehicle service requests, customer information, and repair orders are processed within the system. The DFD shows the interaction between the service advisor, the system, and the vehicle database to validate customer information, service history, and repair status.

#### Example:



### User Stories:

User stories define what different users need from the Garage Management System in simple, goal-focused language. In this project, they help ensure the system manages vehicle services, repairs, and customer information efficiently, protecting data integrity and streamlining garage operations.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Service Advisor	Vehicle Service Management	VS-1	As a service advisor, I want to assign a vehicle service request to a mechanic. The system should allow assignment only if the mechanic is available and has the required expertise.	Mechanic availability and expertise are verified before assignment.	High	Sprint-1
System (Auto-check)	Validation before Scheduling	VS-2	As a system, I must check if a vehicle has any pending services or repairs before scheduling a new service. The system should block scheduling if there are pending services.	System checks for pending services or repairs before scheduling.	High	Sprint-1
Service Manager	Alert Notification	VS-3	As a service manager, I want to receive an alert if a vehicle service is delayed or requires attention. The system should send notifications to relevant teams.	System sends alerts for delayed or pending services.	Medium	Sprint-2