

## Project Design Phase-II

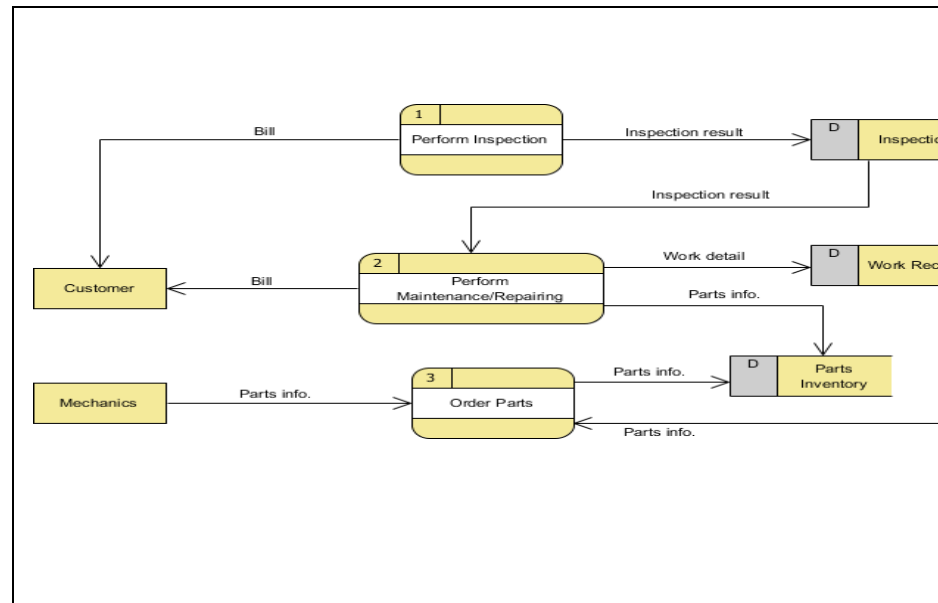
### Data Flow Diagram & User Stories

|               |                          |
|---------------|--------------------------|
| Date          | 02 NOVEMBER 2025         |
| Team ID       | NM2025TMID05082          |
| 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:



### 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 |