

# Ideation Phase

## Brainstorm & Idea Prioritization

### Template

|               |                          |
|---------------|--------------------------|
| Date          | 25 October 2025          |
| Team Id       | NM2025TMID03420          |
| Project Name  | Garage Management System |
| Maximum Marks | 4 Marks                  |

During the **Brainstorming and Ideation Phase** of the Garage Management System project, the team gathered to explore creative ideas and identify user needs to design an efficient and user-friendly solution for managing garage operations.

The **Brainstorm and Ideation Phase** is a crucial early step in the development of the Garage Management System, aimed at generating innovative ideas and defining the structure of the project. This phase began with identifying the **core problems** faced by traditional garages, such as inefficient job tracking, manual billing, lack of real-time service updates, and poor communication between customers and mechanics.

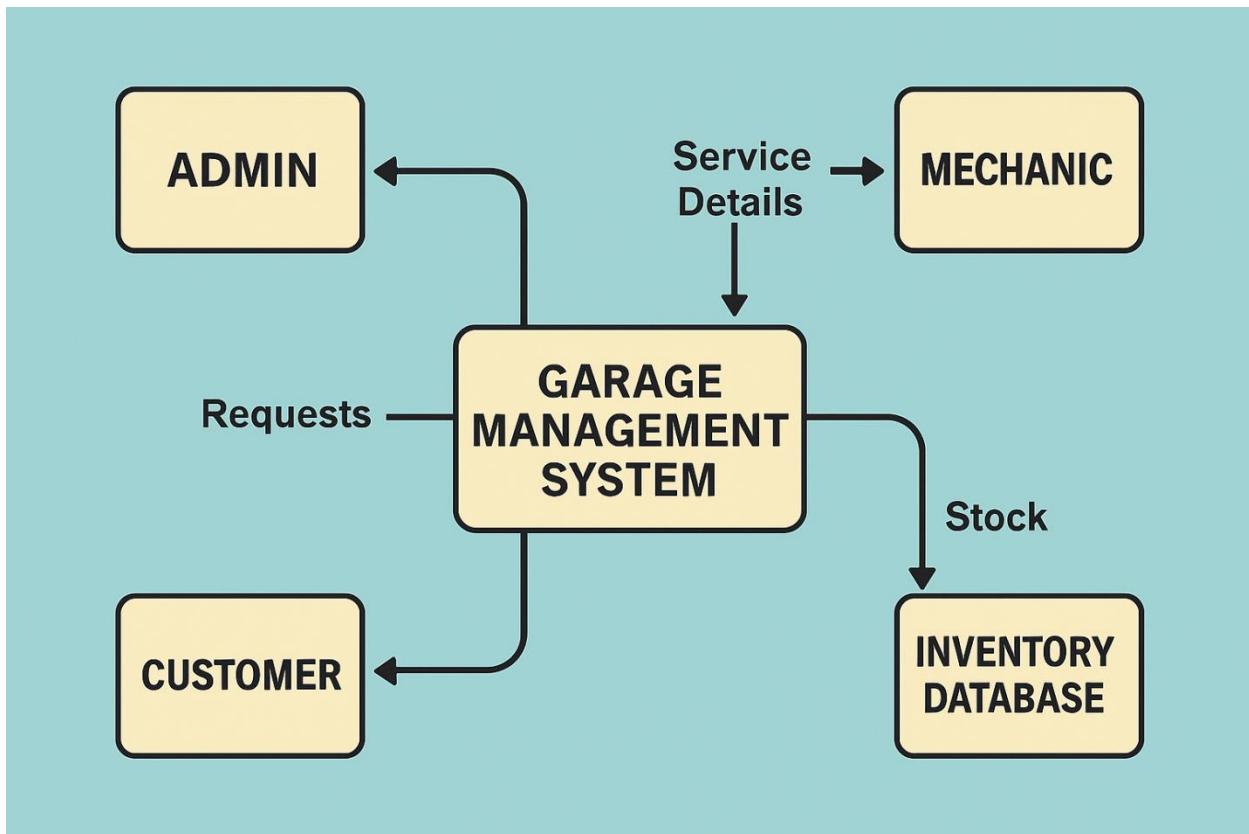
Once the issues were recognized, the project team conducted brainstorming sessions involving stakeholders like garage owners, technicians, and potential customers to collect a wide range of ideas and requirements.

#### **Step 1: Problem Identification:**

Where key challenges such as manual record keeping, poor service tracking, and customer communication issues were discussed.

## Step 2: Idea Generation:

It involved open brainstorming sessions using mind-mapping techniques to collect ideas related to booking management, service tracking, inventory control, billing automation, and customer feedback integration.



## Step 3: Idea Evaluation:

The proposed ideas were analyzed based on feasibility, cost, and technological requirements, ensuring practical and scalable solutions.

#### Step 4: Concept Development:

Transformed the refined ideas into structured modules—such as Vehicle Registration, Service Management, Spare Parts Inventory, Mechanic Allocation, and Payment Processing.

