Ideation Phase
Brainstorm & Idea Prioritization Template

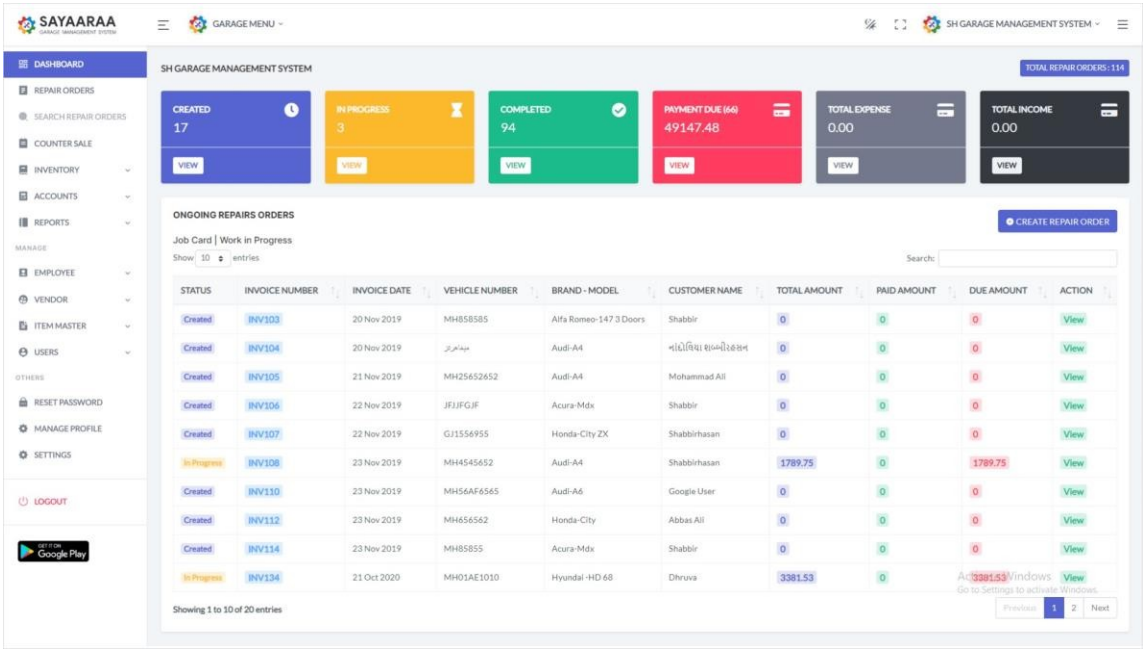
Date	07 NOV 2025
Team ID	NM2025TMID07047
Project Name	Garage Management System
Maximum Marks	4 Marks

Garage Management System Template:

This guided project demonstrates how to design and implement a Garage Management System (GMS) that helps automate and organize daily garage operations. The system focuses on managing customer details, vehicle information, service records, billing, and inventory in a single integrated platform.

The GMS ensures efficient workflow between mechanics, service advisors, and customers by maintaining real - time updates on vehicle service status and inventory availability. It reduces manual paperwork, prevents scheduling conflicts, and improves overall service quality.

The workflow also includes test scenarios such as adding new customer records, assigning vehicles for servicing, and generating invoices. This ensures that every module of the system — customer management, vehicle tracking, and service scheduling— w orks smoothly together The system ultimately helps garage owners improve productivity, maintain accurate records, and deliver better customer satisfaction.



Step-1: Team Gathering, Collaboration, and Selecting the Problem Statement :

The team collaborated to identify common issues faced in garage operations such as inefficient record management, loss of service data, and poor customer follow-up. After group discussions and idea comparison, the team selected the Garage Management System as the primary problem statement to address these inefficiencies using a structured digital solution.

Reference: https://www.mural.co/templates/brainstorm-and-idea-prioritization

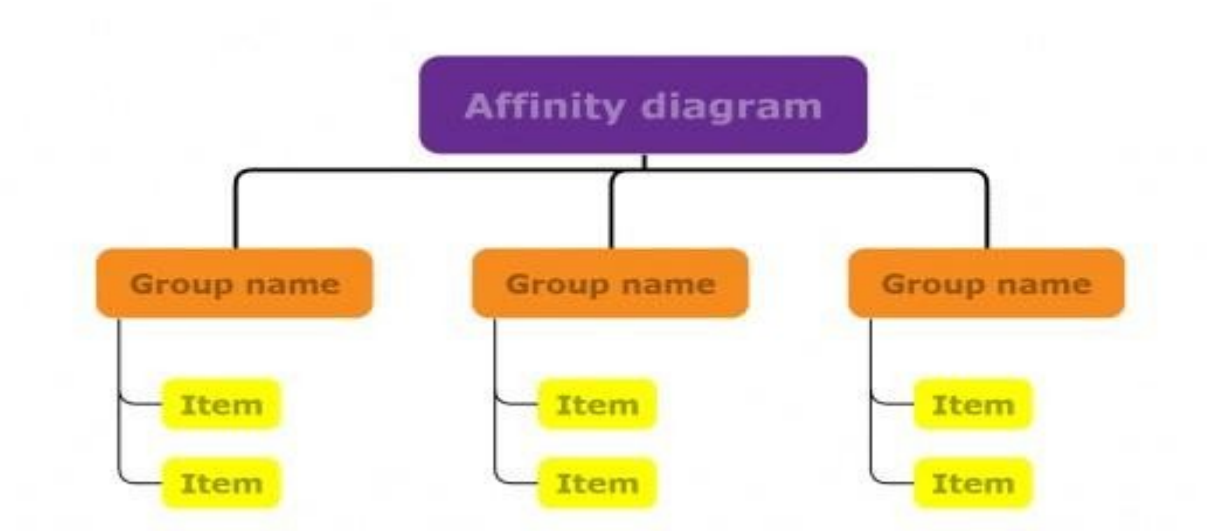
Step-2: Brainstorm, Idea Listing, and Grouping :

Brainstorm: Team members freely contributed ideas on improving garage operations — from online booking systems and service tracking to automated billing and reminders.

Idea Listing: All proposed ideas were documented, including:
- Vehicle service history tracking
- Digital invoicing system
- Mechanic performance monitoring
- Real-time service status updates
- Customer feedback integration

Grouping: Ideas were grouped under key modules:
- Customer Management
- Service Scheduling
- Inventory Control
- Billing & Payment
- Reports & Analytics

Action Planning: Each module was assigned to team members with clear goals and deadlines for implementation and testing.



Step-3: Idea Prioritization :

Idea prioritization helps break down the Garage Management System into focused, manageable modules. The main goal is to ensure all vehicle and customer records are centralize d, making garage operations transparent and efficient. Prioritizing features such as service scheduling and digital billing ensures that critical functionalities are developed first.

By prioritizing ideas effectively, the team can:

- Streamline workflow between mechanics and customers
- Improve data integrity and tracking accuracy
- Enhance user experience through automation