

Ideation Phase
Brainstorm & Idea Prioritization
Template

Date	01 NOVEMBER 2025
Team ID	NM2025TMID04024
Project Name	Garage Management System
Maximum Marks	4 Marks

Prevent user deletion if assigned to an incident Template :

This guided project demonstrates how to prevent the deletion of mechanics who are currently assigned to active service jobs within the Garage Management System. It begins by creating test mechanic records and assigning service jobs to them, followed by implementing a business rule that restricts the deletion of any mechanic linked to ongoing or pending service tasks. This rule ensures that essential operational data is preserved and prevents accidental removal of mechanics actively working on vehicles. The workflow includes a validation test scenario where deletion is first attempted for a mechanic without assigned service jobs, confirming it is permitted, and then for a mechanic assigned to a service job, verifying that the system blocks the deletion and displays an appropriate warning message. This process helps garage administrators maintain accurate mechanic records, prevent data loss, and ensure that all active service assignments remain properly tracked within the system.

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

**Step 1: Team Gathering, Collaboration
and Select the Problem Statement**
garage management system



Reference: https://www.mural.co/templates/brainstorm-and-idea-prioritization?utm_source=chatgpt.com

Step-2: Brainstorm, Idea Listing and Grouping:

Step 2: Brainstorm, Idea Listing and Grouping

garage management system

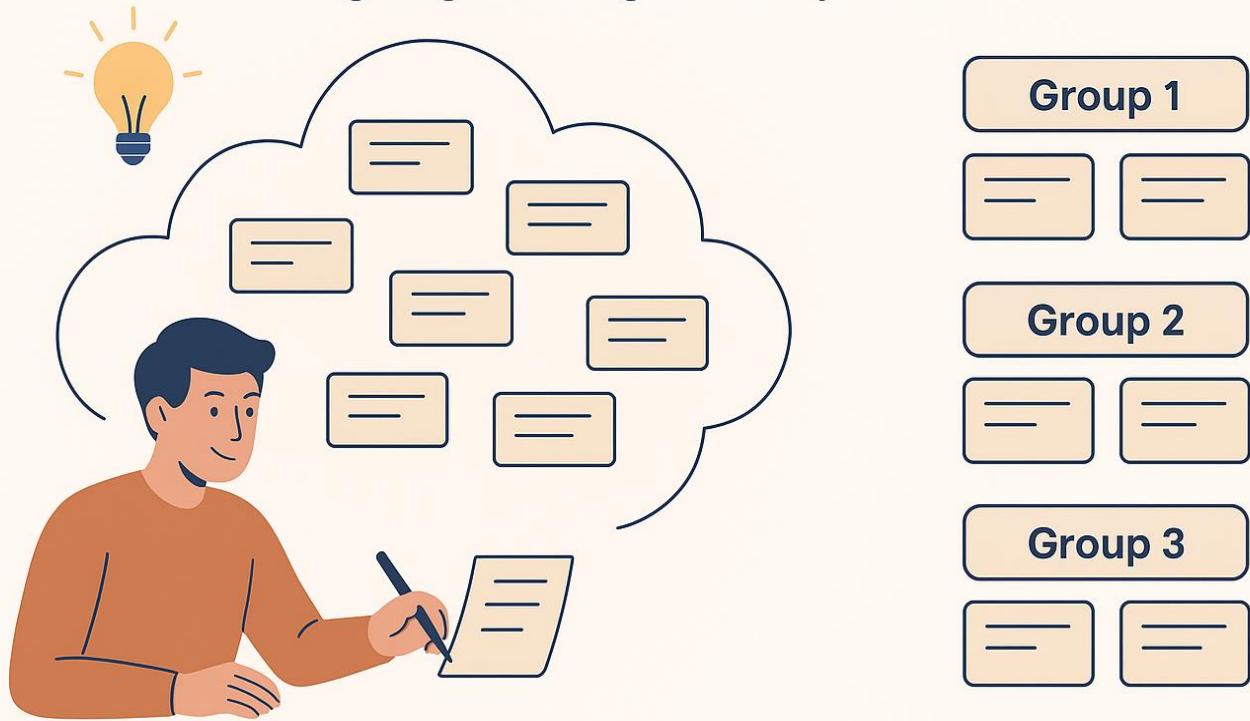


Fig 2: Image that describes the work done by teammates – Garage Management System

✓ Brainstorm:

Team members discuss various challenges faced in managing garage operations and freely share innovative ideas for improvement.

✓ Idea Listing:

All suggested ideas, such as job scheduling, mechanic assignment, inventory tracking, and billing management, are listed to capture every contribution.

✓ Grouping:

Similar ideas are categorized under modules like Service Management, Inventory Control, Customer Handling, and Billing to identify focus areas.

✓ Action Planning:

Selected ideas are converted into actionable tasks with defined roles, development timelines, and testing phases for implementation.

Step 3: Idea Prioritization: Garage Management System

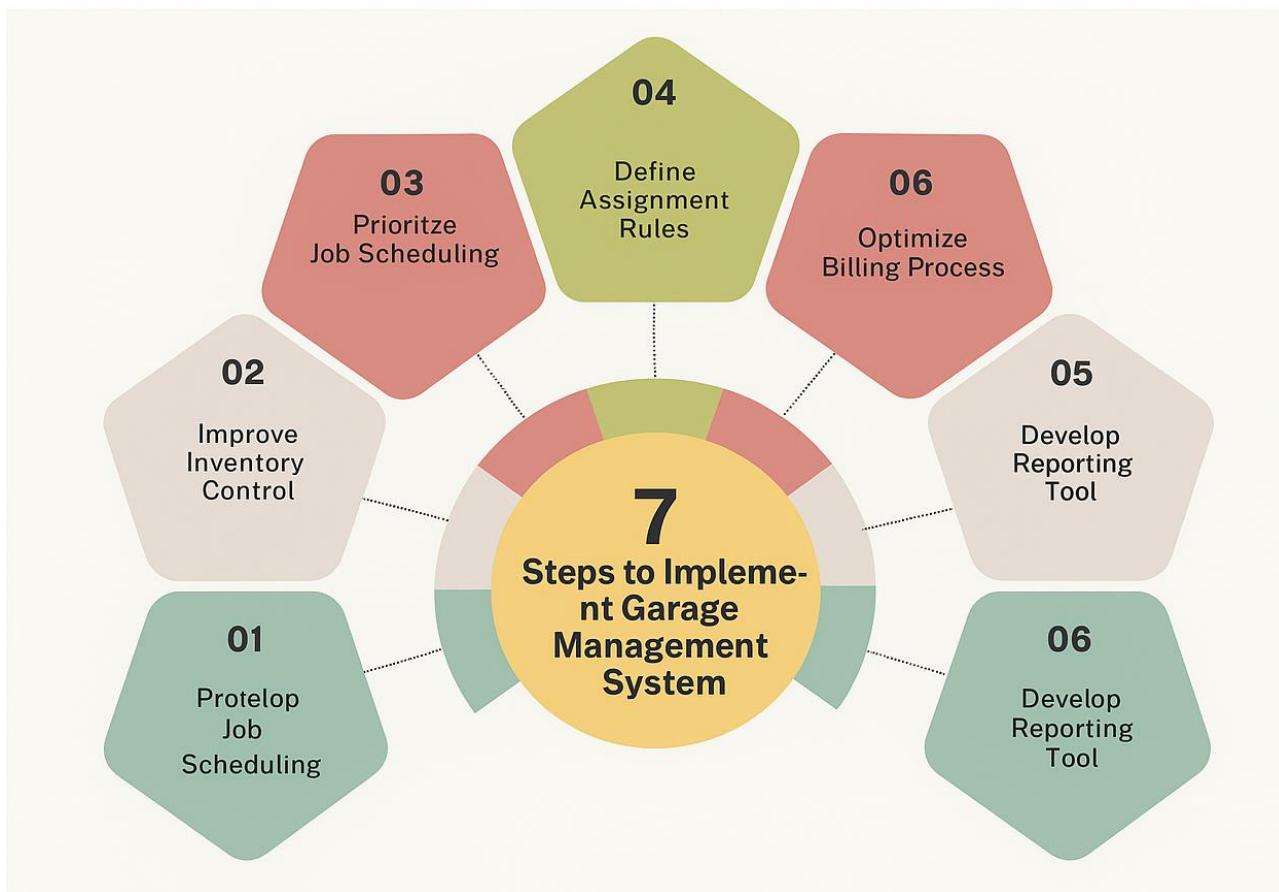


Fig 3: Image of Steps to Implement Garage Management System

Idea Prioritization:

Idea prioritization helps organize and streamline the development of the Garage Management System into clear, actionable components. In this project, the main objective is to enhance the efficiency and accuracy of garage operations through structured planning and feature prioritization. This approach ensures that core functionalities like service job tracking, mechanic assignment, inventory management, and billing are implemented effectively. By prioritizing ideas, teams can focus on critical modules first, such as job scheduling and customer record maintenance, before expanding to advanced features like reporting and analytics. It also highlights the importance of smooth workflow integration and real-time data access for both administrators and mechanics. Each phase, from idea generation to execution, becomes easier to manage and monitor. Clear visual aids such as flowcharts and system diagrams further support communication among team members. Overall, idea prioritization strengthens project direction, promotes efficient task management, and ensures the successful development of a comprehensive Garage Management System.