Project Design Phase
Problem – Solution Fit Template

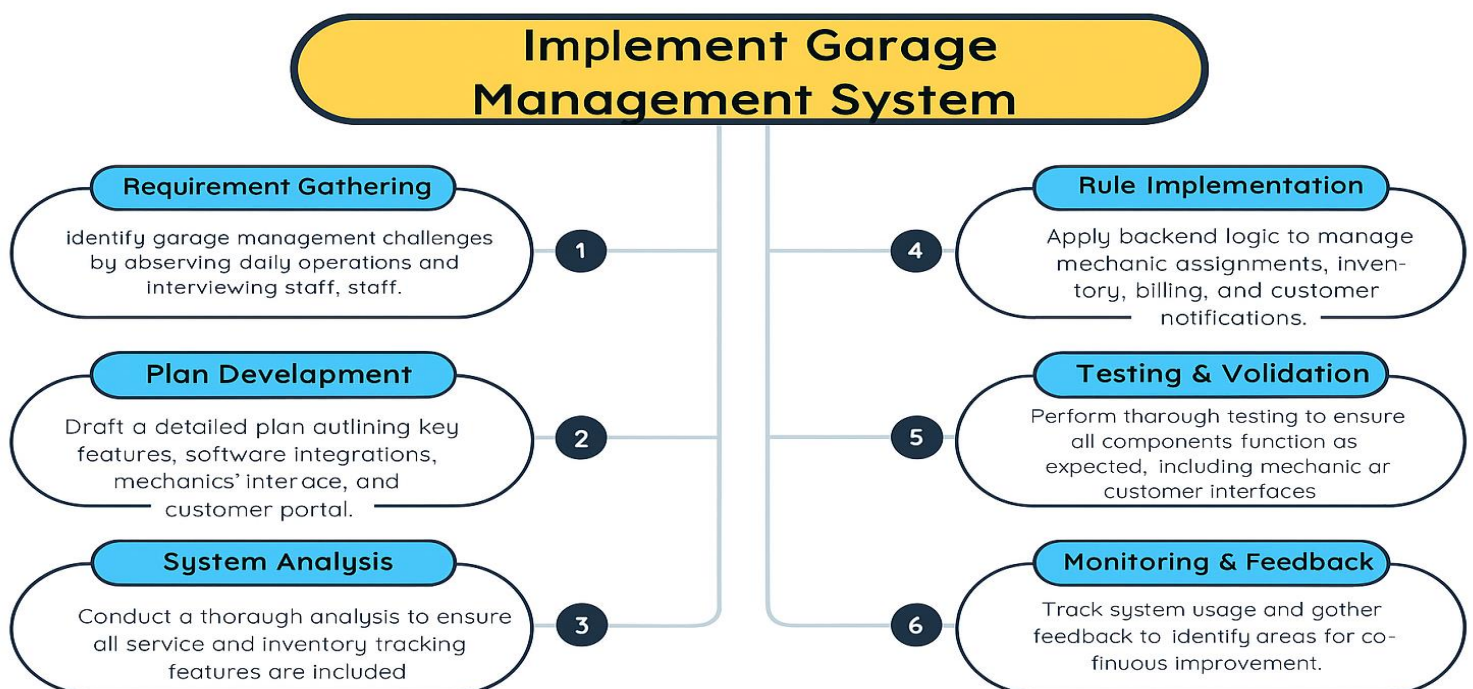| Date	01 November 2025
Team ID	NM2025TMID04024
Project Name	Garage Management System
Maximum Marks	2 Marks

Problem – Solution Fit Template:

The Problem–Solution Fit for the Garage Management System ensures that the real challenges faced by garage owners, service advisors, mechanics, and customers are clearly understood — and that the developed solution directly addresses these issues in a practical, efficient, and user-friendly way. It validates that the system genuinely improves daily operations, communication, and customer satisfaction within the garage environment.

Purpose:

❑ **Solve real-world garage management problems** such as manual record keeping, unclear service tracking, and poor communication between customers and service staff.

❑ **Succeed faster and increase system adoption** by providing an intuitive platform that integrates appointment booking, job allocation, vehicle history tracking, and payment management — all in one place.

❑ **Sharpen communication and customer engagement** through real-time notifications, digital invoices, and transparent service updates that build trust and improve client relationships.

❑ **Increase efficiency and operational reliability** by automating repetitive tasks, tracking mechanic performance, and sending timely reminders for pending services or payments

Template:

References:

1. https://www.ideahackers.network/problem-solution-fit-canvas/
2. https://www.ideahackers.network/problem-solution-fit-canvas/

The project **"Garage Management System"** focuses on solving key challenges faced by garages in managing daily operations, staff coordination, and customer service efficiently. By providing a unified digital platform to handle mechanic assignments, service tracking, vehicle maintenance records, and customer communication, the system enhances transparency and accountability across all activities. It ensures that no service job is left unattended, automates routine processes like job allocation and billing, and minimizes human errors in record keeping. With integrated dashboards, notifications, and performance tracking, the project strengthens operational efficiency and customer satisfaction. The successful implementation of this system lays a strong foundation for building smarter, more organized, and data-driven garage operations that improve both workflow management and service quality.