

## Project Design Phase

### Problem – Solution Fit Template

<b>Date</b>	02 November 2025
<b>Team ID</b>	NM2025TMID05082
<b>Project Name</b>	GARAGE MANAGEMENT SYSTEM
<b>Maximum Marks</b>	2 MARKS

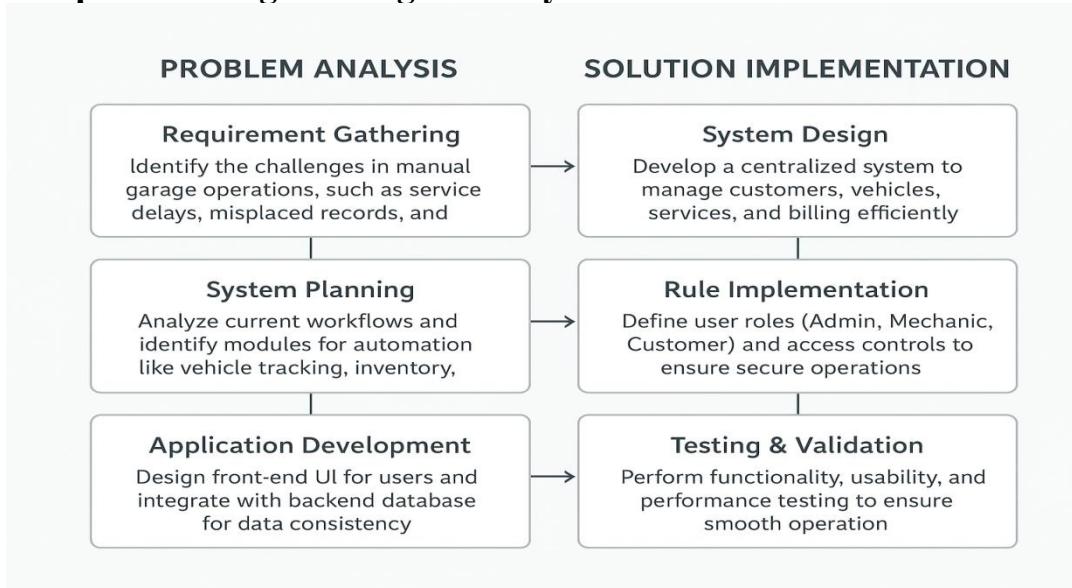
#### Problem – Solution Fit Template:

The Problem–Solution Fit simply means that you have found a problem with your customer and that the solution you have realized for it actually solves the customer's problem. It helps developers and entrepreneurs identify real operational challenges and determine what solutions would work and why.

#### Purpose:

- Automate garage operations such as job scheduling, billing, and inventory tracking.
- Reduce manual paperwork and errors in customer and vehicle records.
- Improve communication between customers, mechanics, and administrators.
- Enhance service quality and turnaround time through structured workflows.
- Provide data-driven reports for better decision-making and customer satisfaction.

## Template: Garage Management System



### References:

1. <https://www.ideahackers.network/problem-solution-fit-canvas/>
2. <https://medium.com/@epicantus/problem-solution-fit-canvas-aa3dd59cb4fe>

### Summary:

The project “**Garage Management System**” aims to address inefficiencies in traditional garage operations by automating service management, billing, and customer handling. Manual methods often lead to misplaced records, miscommunication, and delays in service delivery.

By implementing a digital system with features like real-time job tracking, automated billing, inventory monitoring, and role-based access control, the project enhances operational efficiency, data accuracy, and customer satisfaction. It also provides valuable insights for managers through reports and analytics.

This solution helps garages transition from paper-based operations to a more streamlined and transparent management process, ultimately leading to improved service quality and business growth.