

Project Design Phase

Problem – Solution Fit Template

Date	30 OCTOBER 2025
Team ID	2F2CA610622DBCB9AF44E9641A0CB552
Project Name	LEASE MANAGEMENT
Maximum Marks	2 Marks

Problem – Solution Fit Template:

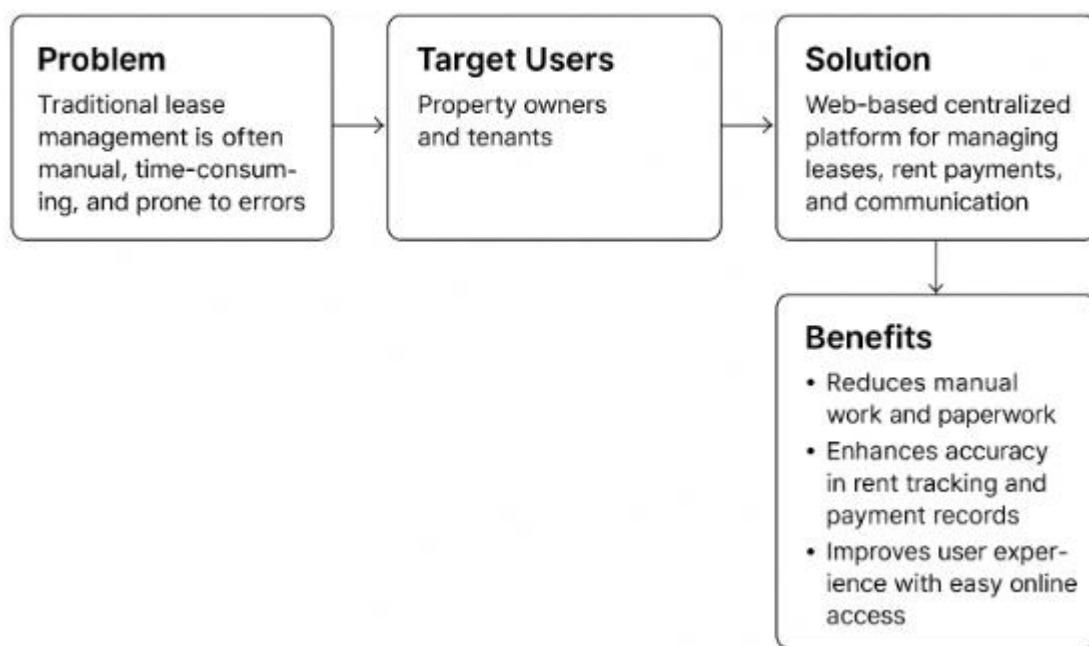
The Problem–Solution Fit identifies how effectively a proposed solution addresses a real and recurring problem faced by the target users. For the Lease Management System, this involves understanding the difficulties faced by property owners, tenants, and managers in handling leases, rent payments, and communication — and designing a digital solution that resolves these pain points efficiently.

Purpose:

Simplify and automate the lease creation, renewal, and termination process.
Enable real-time tracking of rent payments and due dates for tenants and property owners.
Reduce manual paperwork and data duplication through centralized cloud storage.
Increase transparency and communication between landlords and tenants.
Improve business efficiency and trust by maintaining accurate, accessible records.

Template:

Problem – Solution Fit Template



Problem Statement:

Traditional lease management is often manual, time-consuming, and prone to errors. Property owners struggle to manage multiple tenants, track payment statuses, and maintain documentation. Tenants face delays in rent acknowledgments and limited visibility into their lease agreements. The absence of a centralized digital system causes miscommunication, missed payments, and compliance issues.

Proposed Solution:

The Lease Management System offers a web-based centralized platform that allows property owners and tenants to manage all lease-related activities digitally.

It automates:

- Lease creation and renewal,
- Rent collection and tracking,
- Notification alerts for due payments,
- Secure document storage and retrieval.

The system uses cloud technology for scalability and reliability, and integrates email/SMS APIs for instant updates. Admins can manage multiple properties, tenants, and transactions seamlessly, ensuring accuracy, transparency, and operational efficiency.

Benefits of the Solution:

- Reduces manual work and paperwork.
- Enhances accuracy in rent tracking and payment records.
- Improves user experience with easy online access.
- Provides secure data storage using cloud integration.
- Builds trust and long-term relationships between tenants and owners.

References:

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

The project "Prevent User Deletion if Assigned to an Incident" addresses a crucial gap in user and data management within incident tracking systems. By ensuring that no active user involved in an incident can be accidentally or unknowingly deleted, we significantly improve accountability, data integrity, and operational transparency. This solution not only safeguards incident resolution workflows but also supports better auditing and compliance. With the successful implementation of rule-based checks and continuous monitoring in platforms like ServiceNow, this project sets a foundation for building smarter and safer administrative systems in enterprise environments.