

Team ID	NM2025TMID04011
Project Name	Lease Management
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# LEASE MANAGEMENT

## Project Planning Phase Report

### 1. Introduction

The Project Planning Phase defines the strategic roadmap for the development of the Lease Management System. It outlines objectives, scope, resource allocation, risk management, and timeline planning to ensure smooth and systematic project execution.

### 2. Project Scope

The Lease Management System aims to automate and streamline property leasing operations, including lease creation, rent tracking, tenant management, notifications, and document storage. The project scope covers system design, development, testing, and deployment, ensuring a secure and user-friendly platform for landlords and tenants.

### 3. Project Objectives

- To automate the lease agreement creation and renewal process.
- To enable digital storage and management of property and tenant records.
- To provide timely notifications for rent payments and expirations.
- To offer real-time analytical insights into financial and occupancy data.
- To ensure scalability and secure access for multiple users.

### 4. Project Deliverables

Key deliverables of the Lease Management System include:

- Fully functional web-based Lease Management platform.
- User interface with role-based access (Admin, Landlord, Tenant).
- Integrated notification and payment tracking modules.
- Database design and API integration.
- Testing reports and final documentation.

## 5. Team Roles and Responsibilities

**A.mohamed riyas:** Project Lead – Oversees progress, manages documentation, and ensures timely completion.

**S.Kannan:** Backend Developer – Designs database, APIs, and core system logic.

**S.mathikumar:** Frontend Developer – Develops user interface and ensures seamless integration.

**P.mathanraj:** Quality Analyst – Conducts testing and ensures performance and security compliance.

## 6. Project Timeline

The project follows a structured 10-week timeline:

- Week 1–2: Requirement Gathering and Analysis
- Week 3–4: System Design and Architecture
- Week 5–7: Core Module Development
- Week 8–9: Testing and Integration
- Week 10: Review and Deployment

## 7. Resource Planning

**Hardware:** Computers or laptops with stable internet connectivity.

**Software:** VS Code, Node.js/Django, MySQL, React/Angular.

**Testing Tools:** JMeter, Postman.

**Collaboration Tools:** GitHub, Trello, Google Docs.

## 8. Risk Management

**Technical Risks:** Compatibility or integration errors → Use tested frameworks.

**Schedule Risks:** Delays in module completion → Follow Agile sprints.

**Resource Risks:** Limited testing tools → Use open-source alternatives.

**Data Risks:** Breaches or loss → Implement data encryption and regular backups.

## 9. Gantt Chart Overview

A Gantt chart (not shown here) visually represents the task timeline and dependencies for each phase of development, ensuring effective tracking of project milestones and deliverables.

## 10. Conclusion

The Project Planning Phase sets a clear roadmap for the successful implementation of the Lease Management System. With well-defined objectives, resource allocation, and risk mitigation