Rental Property Management System

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**Description of the problem**

The management of rental properties presents a complex set of difficulties that needs to be addressed efficiently and effectively. These challenges can span across different aspects of the system, including but not limited to:

1. **Property Management:** The task of managing all the different properties with a vast variety of attributes like location, size, type, or status can be overwhelming. This also includes keeping track of property maintenance certificates and tenant information within each property.
2. **Rent Collection:**  The process of collecting rent from each property in a timely manner can tedious and time-consuming. This is further complicated by late payments and tracking payment history.
3. **Communication:** Effective communication between tenants and landlords is very crucial for smooth operation. However, this can be complicated due to the lack of a centralised system to send notifications, updates, and other important information.
4. **Handling Complaints:** Addressing maintenance request effectively and in a timely manner is essential for tenant satisfaction. Having said that, tracking and managing these complaints from different properties can be a daunting task.
5. **Tedious Paperwork:** Renting a property is subject to many laws and regulations. So, Landlord or management team is often required to keep different documents regarding their properties and tenants. Storing these documents, safe and secure is a task on its own.

**Objectives and Scope**

The primary objective of this project is to develop and deploy a reliable system, which can handle all the different operational difficulties of landlords or management agencies.

This project aims to provide a seamless system for managing different properties in a user-friendly style to improve the efficiency and efficacy of the process. Tenants will be provided with a robust system to make rent payments, provide documentation, and to request maintenance. Additionally, the ability to have centralised control on properties, tenants and employees can be implemented depending on the users needs. The capability to raise, track and manage maintenance requests will be added.

Likewise, a reliable system will be put in place to handle the collection and storage of different documents form tenants and certifications of the property, in a secure location. A robust system to generate contracts and receipts will be provided as well.

Overall, the aim of the project is to completely digitalise the process and to improve the communication between landlords and tenants.

As the project is developed as part of TCA 2 of my module, the project deadline is ------- .

**Target users and Stakeholders**

The primary users of this application are property owners or property management firms.

**Overview of the proposed solution.**

The aim is to develop a desktop application using Java. Frontend will be made using Java Spring.