राष्ट्रीय प्रौद्योगिकी संस्थान कालिकट

NATIONAL INSTITUTE OF TECHNOLOGY CALICUT

PROJECT PROBLEM DEFINITION

AND

ABSTRACT OF SOLUTION

Department of Computer Science and Engineering

Mentor-   **Submitted by-**

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Project : Android Application for solving the daily life "House Rental and Tenancy" problem.

Major User : Tenant(renter) and Owner

Abstract –

It would be an android application for booking an apartment/flat/room by a user (Tenant/Renter). Tenant can search and book the flat. After booking he can do all transaction during the whole stay at that flat through this application. He can complain and communicate with the owner by this application. Payment details can be validated. He has to clear all dues before leaving the flat. Owner can approve all request and complain by this application. He can upload and update flat/room details. Each user has their own dashboard section. This application will provide all principle functinalities needed for room owning/renting.

Major Functionalities :

• Registration and Login
• Searching
• Booking
• Payment approval
• Complain Handling
• Notifications
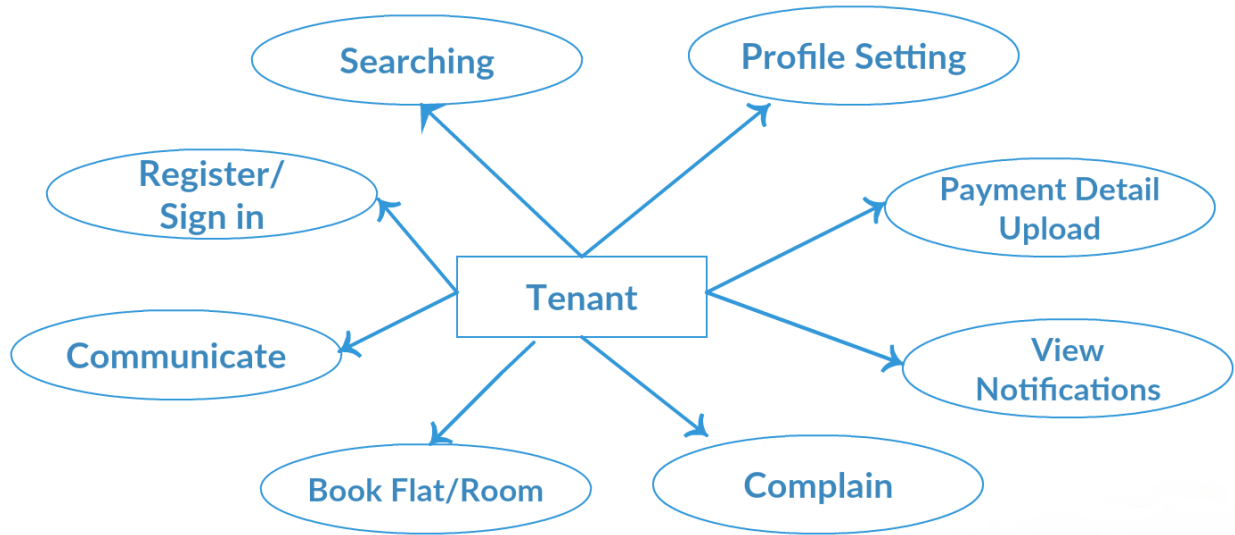• Communication(Messaging)

Minor Functionalities :

Apart from this there would be several Minor Functionalities. These are the supporting functionalities for maintaining the accurate system flow.

- User Profile setting   - Profile Editing
- Adding flat details   - Updating Flat details
- Dues clearance   - Leaving flat/Room
- Details managing

Scope : The project would be limited to a particular city but it can be scaled out to multiple cities (as per need).

System Overview Diagram

1 - Tenant :

2 – Owner :