**Housing Management System**

*Project Synopsis Submitted*

*to*

**MANIPAL ACADEMY OF HIGHER EDUCATION**

*For Partial Fulfillment of the Requirement for the*

*Award of the Degree*

*Of*

**Bachelor of Technology**

*in*

**Computer and Communication Engineering**

*by*

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*Under the guidance of*

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**Objective:**

 The objective of the **“Housing Management System”** is to handle the entire activity of a Housing System. The software keeps track of all the information about the apartments, owners, tenants, and their complete details along with total number of rooms available. The user will find it easy in this automated system rather than using the manual writing system. The system contains a database where all the information will be stored safely. The system will be user-friendly, saves time and reduce the likelihood of errors or oversights.

**Scope:**

This project is helpful to track all the details of Owner, Tenant, Employee and the booking status of apartments. This will eradicate the problem of manual entry of the track records by providing an interface for managing it. The software will be able to handle all the necessary information.

**Project Description:**

The Housing Management System software we are developing is designed to streamline the management of apartment complexes and residential buildings. This system features four distinct user modes: Administrator, Owner, Tenant, and Employee. Each user mode has its own set of functionalities tailored to their specific needs. With proper recording of all processes, everything from renting apartments to managing complaints will be smooth and efficient.

In the Administrator mode, users have complete access to all data and can manage and create owners, view complaints logged by tenants, and even manage parking slot allotments in the building. The Owner mode allows users to manage their owned buildings by accessing relevant data such as the number of apartments, available apartments, all tenant details, and complaints raised by tenants regarding their building. Only an owner can create a tenant, just as only an admin can add an owner. The Tenant mode is designed for tenants to view their personal details, including their id, room number, allotted parking space, and to pay maintenance fees or raise complaints or concerns regarding their apartments. These concerns are visible to the owner, admin, and employee. Finally, in the Employee mode, users can manage all complaints and work towards resolving them.

Overall, housing management system is an invaluable tool for landlords or apartment managers. By automating many of the complex and time-consuming tasks associated with managing an apartment complex or residential building, apartment managers or landlords can save time and reduce the likelihood of errors or oversights. With the right system in place, the management of apartment complexes and residential buildings can be made much more efficient, ensuring that tenants are satisfied, and owners are able to easily manage their properties.

**Hardware Requirements:**

Processor:  Intel dual core or above

Processor Speed: 1.0GHZ or above

RAM:  1 GB RAM or above

Hard Disk:  20 GB hard disk or above

**Software Requirements:**

Language:  HTML5, React JS, CSS, JavaScript & Frameworks

Database:  MySQL

**Submitted by**

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