

# Online Property Management System

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## Abstract :

Real estate is a type of business for dealing, buying, renting land, structures and services. Real estate agencies duties include, to give the property on rent or differently to vend the property. Properties like constructing, retail spots, apartments, houses, bungalows etc. numerous people search for property for numerous purposes like hearthstone, services, faculty and etc. Every individual wants his house to be in the stylish position with stylish installations. services should be near request area in order to increase deals and productivity.

So, this real estate system provides the functionality for buyers by allowing them to look out for houses by features or address. It provides functionality for the dealer, authorize them to log into the system and add new announcements or cancel being bones. For this each stoner is handed a login account with login ID and word.

## 1. INTRODUCTION :

Property operation systems allow original property directors and conservation labor force to manage the day- to- day operations of their parcels. Property conservation for marketable parcels includes major focus areas similar as threat operation, conservation, communication, and tenant satisfaction. generally a certain agreed chance of the rent payment will be subtracted on each rent payment collected by the property operation as their service figure. Real Estate is the business of buying, selling, and renting land, structures, and services. Every person wants his house should be stylish in a position with all installations. services should be near to request and product unit near to raw material and business. General companies concentrate on its product and structure are bought from Real Estate Company. Due to competition in this assiduity, every real estate company wants to deliver the stylish service and makes its client satisfied. Online Property Management System is software which takes care of everything that a real estate firm want to do. Property Management System is made for real estate firms. It's veritably strong and easy to use that makes quick booking and account running process. The real estate Property operation system is a web- grounded software and you can pierce it from anywhere. This ensures the service to guests. guests can view and bespeak their favourite property online just after many clicks. They can also pay the plutocrat online and get bills online.

## 2. LITERATURE REVIEW:

Shsuir, Employee performance evaluation, Property operation systems are used to manage, control and regard for particular property;( 2019), IJAET Nov 11, REAL ESTATE APPLICATION USING SPATIAL DATABASE, Real estate can be defined as rights and advancements proprietor or use land. utmost of the real estate operations give the features similar as specification grounded se (2019) arching (2019); February 2016, Real Estate Information, Real Estate is a field that has extensively expanded and has handed a huge ground for compass to numerous druggies for chancing desirable parcels and for businessman; sale (2019) performance evaluation hand performance operation cycle system;

## 3.EXISTING SYSTEM:

In this system, the homemade real estate agency follows a lengthy and excited process. People need to meet the agent in person, for checking the Property details and also needs to visit the position. it takes long time to look for the asked position and asked type of property.

## 4. DISADVANTAGES:

- Homemade process for getting appointment to meet agents
- Time consumption

- Available lower agents

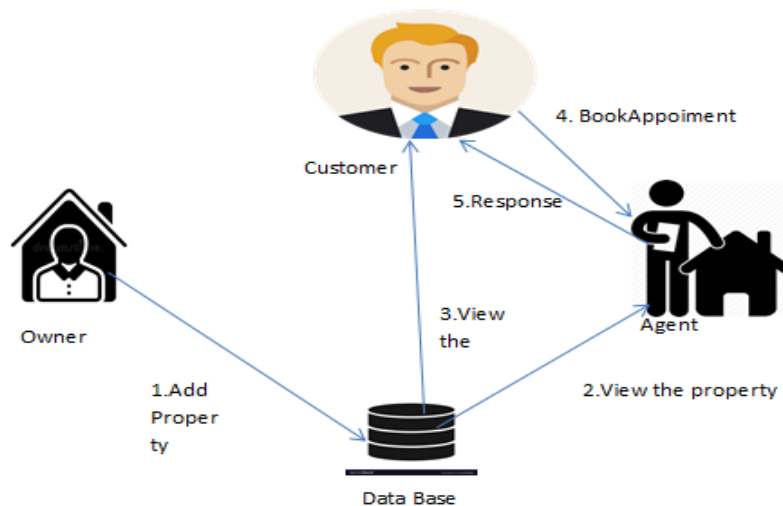
## 5. PROPOSED SYSTEM:

This online Property operation system can help you to get stylish property by just sitting at home or anywhere. People can book their favourite property online just after a many clicks. In this system the possessors can add the property for selling/renting purpose and client can buy or book a property for rent/ rent.

## 6. ADVANTAGES:

- Appointment process can be in online process.
- Reducing time complexity
- Easy to selling and buying the properties

## 7. System Architecture:



System Architecture

## Modules:

This system consists of three modules. They are

- Owner Module
- Customer Module
- Agent Module

## Owner Module:

**Sign up:** In this owner registers with their details

**Login:** Proprietor login with valid credentials

**Add property:** Proprietor can add details of the property details

**View property:** in this proprietor can update the agent details, update property details and delete the property.

**Agents:** view available agents details

**Customer Module:**

**Sign up:** In this User sign up with their details

**Login:** User login with valid credentials

**View property:** view property, and book an appointment for contact to the assigned agent.

**Agents:** view available agents details

**Appointments:** in this user can view the appointment details and if agent appointment accepted/rejected then user appointment confirmed/Rejected.

**Agent Module:**

**Sign up:** In this Agent sign up with their details

**Login:** Agent login with valid credentials

**View Property:** in this agent can view assigned properties and view property owner details, and upgraded the information.

**Assigned Owners:** In this agent view existing assigned owner details.

**Appointments:** In this agent can get the client appointment requests. Agent can modernize the response of vacancy on appointment booking date

**UML Diagrams:**

UML stands for Unified Modelling Language.

UML is a modelling language in the field of object-oriented software engineering.

The thing is for UML to turn a common language for creating models of object-oriented computer software. In its current form UML is comprised of two major factors a Meta- model and a memorandum. In the future, some form of system or process may also be added to; or associated with, UML.

The Unified Modelling Language is a standard language for specifying, Visualization, Constructing and establishing the vestiges of software system, as well as for business modelling and other non-software systems.

The UML represents a collection of stylish engineering practices that have proven successful in the modelling of large and complex systems.

The UML is a veritably important part of developing objects-oriented software and the software development process. The UML uses substantially graphical memos to express the design of software systems.

**Use Case Diagram:**

A use case illustration in the Unified Modelling Language (UML) is a type of behavioural illustration defined by and created from a Use- case analysis.

Its purpose is to present a graphical overview of the functionality handed by a system in terms of actors, their pretensions (represented as use cases), and any dependences between those use cases.

The main purpose of a use case illustration is to show what system functions are performed for which actor places of the actors in the system can be depicted.

**Class Diagram:**

In software engineering, a class illustration in the Unified Modeling Language( UML) is a type of stationary structure illustration that describes the structure of a system by showing the system's classes, their attributes, operations( or styles), and the connections among the classes. It explains which class contains information.

**Sequence Diagram:**

A sequence illustration in Unified Modeling Language( UML) is a kind of commerce illustration that shows how processes operate with one another and in what order.

It's a construct of a Communication Sequence Map. Sequence plates are occasionally called event plates, event scripts, and timing plates

**Activity Diagram:**

Activity plates are graphical representations of workflows of accretive conditioning and conduct with support for choice, replication and concurrency.

In the Unified Modeling Language, exertion plates can be used to describe the business and functional step- by- step workflows of factors in a system.

An exertion illustration shows the overall inflow of control.

**Collaboration Diagram:**

In collaboration illustration the system call sequence is indicated by some numbering fashion as shown below.

The number indicates how the styles are called one after another. We've taken the same order operation system to describe the collaboration illustration.

The system calls are analogous to that of a sequence illustration.

But the difference is that the sequence illustration doesn't describe the object association whereas the collaboration illustration shows the object association.

**Component Diagram:**

Component plates are used to describe the physical vestiges of a system.

This artifact includes lines, executable, libraries etc. So the purpose of this illustration is different, element plates are used during the perpetration phase of an operation.

But it's prepared well in advance to fantasize the perpetration details.

Originally the system is designed using different UML plates and also when the vestiges are ready element plates are used to get an idea of the perpetration.

**Deployment Diagram:**

Deployment illustration represents the deployment view of a system. It's related to the element illustration. Because the factors are stationed using the deployment plates. A deployment illustration consists of bumps. Bumps are nothing but physical tackle's used to emplace the operation.

**ER Diagram:**

An reality - relationship model (ER model) describes the structure of a database with the help of a illustration, which is known as Entity Relationship Diagram (ER Diagram). An ER illustration shows the relationship among reality sets.

A reality set is a group of analogous realities and these realities can have attributes. In terms of DBMS, a reality is a table or trait of a table in database, so by showing relationship among the table their attributes, ER illustration shows the complete logical structure of a database.

**DFD:**

A Data Flow Diagram( DFD) is a traditional way to fantasize the information flows within a system.

A neat and clear DFD can depict a good quantum of the system conditions graphically.

It can be homemade, automated, or a combination of both. It displays how information enters and exits the system, what modifications the information and where information is stored.

The object of a DFD is to display the compass and suppress a system as a whole.

It may be used as a dispatches tool between a systems critic and any person who plays a part in the system that acts as the starting point for redesigning a system.

### **FUTURE SCOPE:**

This type of design is veritably useful for all the druggies who can buy/ rent/ sell a property with their budget. druggies can view and book a property through online without the help of third- party agents.

### **7. CONCLUSIONS:**

This online Property operation system can help you to get stylish property by just sitting at home or anywhere. People can book their favourite property online just after a many click. In this system the agents can add the property for selling/ purpose and druggies can buy or book a property. This system can be used by the multiple peoples to get the comforting sessions online.

### **8. REFERENCES:**

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