

Chapter:-1

Introduction

1. INTRODUCTION

1.1 INTRODUCTION

The "Real Estate Management System" has been developed to override the problems prevailing in the practicing manual system. This software is supported to eliminate and in some cases reduce the hardships faced by this existing system. Moreover this system is designed for the particular need of the company to carry out operations in a smooth and effective manner.

The application is reduced as much as possible to avoid errors while entering the data. It also provides error messages while entering invalid data. No formal knowledge is needed for the user to use this system. Thus by this all it proves it is user-friendly. Real Estate Management System, as described above, can lead to error free, secure, reliable and fast management system. It can assist the user to concentrate on their other activities rather to concentrate on the record keeping..

The project is to manage the details of Property, Property Type, Property Area, Property Status, Customer. It manages all the information about Property, Booking, Customer, Property. The project is totally built at administrative end and thus only the administrator is guaranteed the access. The purpose of the project is to build an application program to reduce the manual work for managing the Property, Property Type, Booking, Property Area. It tracks all the details about the Property Area, Property Status, Customer.

The purpose of Real Estate Management System is to automate the existing manual system by the help of computerized equipments and full-fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same. The required software and hardware are easily available and easy to work with. Basically the project describes how to manage for good performance and better services for the customers.

This website helps the customer to sell their land property and it also helps to search the available land property very easily. And in the same way it helps the customer to rent their house and also it helps to search the available rented house very easily. This website is very confidential for all the customers so that they can believe in this website and can register their details.

First they have to register their details like name, email id, contact no and address and submit it. Next if the person wants to sell their land they have to specify the area of square feet, place where the area located, and price of the area and must register them. And if the person wants to buy a land they have to specify the area of square feet they need and the place they want to buy the land and then click enter and then it will show only the necessary area they want and the address they look for the area located and also the price of the area. In the same way a person can rent their house by specifying the house (ex: 1BHK, 2BHK, etc) and the location of the house and also the price amount of the rent and submit it. And if the person wants a rented house they must enter the specification of the house and the address they need and must submit it. And it will show only the specified house and the address and the price amount.

1.2 OBJECTIVE

1. Centralized Property Listings

Provide a comprehensive and searchable database of properties for sale, rent, or lease. Ensure easy access to up-to-date property information, images, and contact details.

2. Enhanced User Experience

Deliver a seamless, intuitive, and responsive interface for all users (buyers, renters, agents, and owners).

Enable fast navigation and smooth interactions across devices.

3. Facilitate Communication

Connect property seekers with agents or owners through real-time messaging, inquiries, and appointment booking features.

4. Advanced Search and Filtering

Allow users to find properties using criteria like price range, location, type, size, and features.

5. Property Management Tools

Provide property owners and agents with dashboards to manage listings, view analytics, and update availability or pricing.

6. Secure Data Handling

Ensure the secure management of user data, payment information, and legal documents through encryption and role-based access.

1.3 SCOPE

- Be expandable.
- Have a good user interface.
- Be easy to operator.
- Be easy to understand by the user and operator.
- It satisfy the user requirement.
- The system generates types of information that can be used for various purpose .
- Provides more customer satisfaction.
- Best quality at the most reasonable cost with providing discount for all.
- Maintenance and Support.
- Issue tracking and contractor assignment.
- Real-time updates on maintenance status.
- Feedback and satisfaction ratings.

1.4 EXISTING SYSTEM:

Traditional real estate management systems primarily rely on manual processes, paper-based documentation, physical property visits, and in-person interactions between agents, buyers, and property owners. These legacy systems often involve spreadsheets, printed property catalogs, and fragmented tools for communication and transaction tracking. While some agencies use standalone software for listings or customer relationship management (CRM), these tools typically lack integration, automation, and real-time updates.

As a result, property management becomes time-consuming, error-prone, and inefficient—leading to delays in decision-making, missed opportunities, and poor user experiences.

Moreover, limited online presence and lack of digital tools make it harder to attract modern, tech-savvy clients who expect instant access to property details, virtual tours, and online services. Traditional real estate management systems primarily rely on manual processes, paper-based documentation, physical property visits, and in-person interactions between agents, buyers, and property owners. These legacy systems often involve spreadsheets, printed property catalogs, and fragmented tools for communication and transaction tracking. While some agencies use standalone software for listings or customer relationship management (CRM), these tools typically lack integration, automation, and real-time updates.

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1.5 NEED AND SCOPE OF COMPUTERIZED SYSTEM:

With the growing demand for efficiency, transparency, and accessibility in the real estate sector, the need for a **computerized real estate management system** has become increasingly critical.

Traditional methods, which depend heavily on manual paperwork, physical documentation, and fragmented communication, are no longer sufficient to handle the complexity and scale of modern property transactions.

A computerized system streamlines the entire workflow—from property listing, client interaction, and appointment scheduling to online payments, lease management, and reporting. It provides a centralized platform where agents, owners, buyers, and renters can interact seamlessly, reducing delays and human error.

The scope of such a system includes advanced features like secure document handling, real-time property tracking, automated financial transactions, tenant management, and powerful data analytics.

It empowers stakeholders to make faster, data-driven decisions, improves customer service, and ensures compliance with regulatory standards. As the real estate market continues to evolve, a robust, scalable, and user-friendly computerized system is essential for businesses to stay competitive and meet the expectations of a tech-savvy audience.

Chapter:-2

Proposed System

2.1 PROPOSED SYSTEM

The proposed system is a web-based Real Estate Management System (REMS) that can be accessed by users—whether they are buyers, renters, property owners, or agents—from anywhere in the world. It serves as a centralized digital platform that allows for the listing, browsing, booking, and management of real estate properties across various locations.

Property owners and agents can register directly through the system's user-friendly interface, without any need for manual or in-person intervention. Once registered, they can easily upload property details, images, and documents (such as ownership proof or leasing terms) to showcase properties for sale or rent. The system supports all types of properties, including residential, commercial, industrial, plots, and rental units, allowing a wide variety of listings on one platform.

Customers (buyers and renters) can browse these listings, interact with property images and details, schedule site visits, and request more information through the platform. The system provides real-time updates on property availability, pricing, and location features, improving user decision-making and engagement.

The administrator plays a crucial role in managing the backend of the system. They can monitor property listings, verify vendor registrations, handle complaints or fraudulent listings, and facilitate communication between clients and property providers. Admins can also manage appointments, booking confirmations, and system-wide analytics.

The proposed system supports:

- User registration and login (for property owners, agents, and clients)
- Insertion, update, deletion, and search of property details
- Booking and appointment scheduling
- Property availability tracking and analysis

2.2 PROJECT DEVELOPMENT APPROACH

To effectively address real-world challenges in the real estate industry, software developers must adopt a structured development strategy that covers three essential layers: process, methods, and tools. This strategy is referred to as a software process model or software development paradigm. The chosen process model depends on the nature of the project, its scope, the technologies and methodologies used, and the required deliverables and quality standards.

Every software development initiative can be viewed as a problem-solving loop that includes four major stages:

- Status Quo – Understanding the current system or lack of automation.
- Problem Definition – Identifying inefficiencies in traditional real estate management practices.
- Technical Development – Designing and building a suitable system.
- Solution Integration – Deploying and integrating the software into the real-world environment.

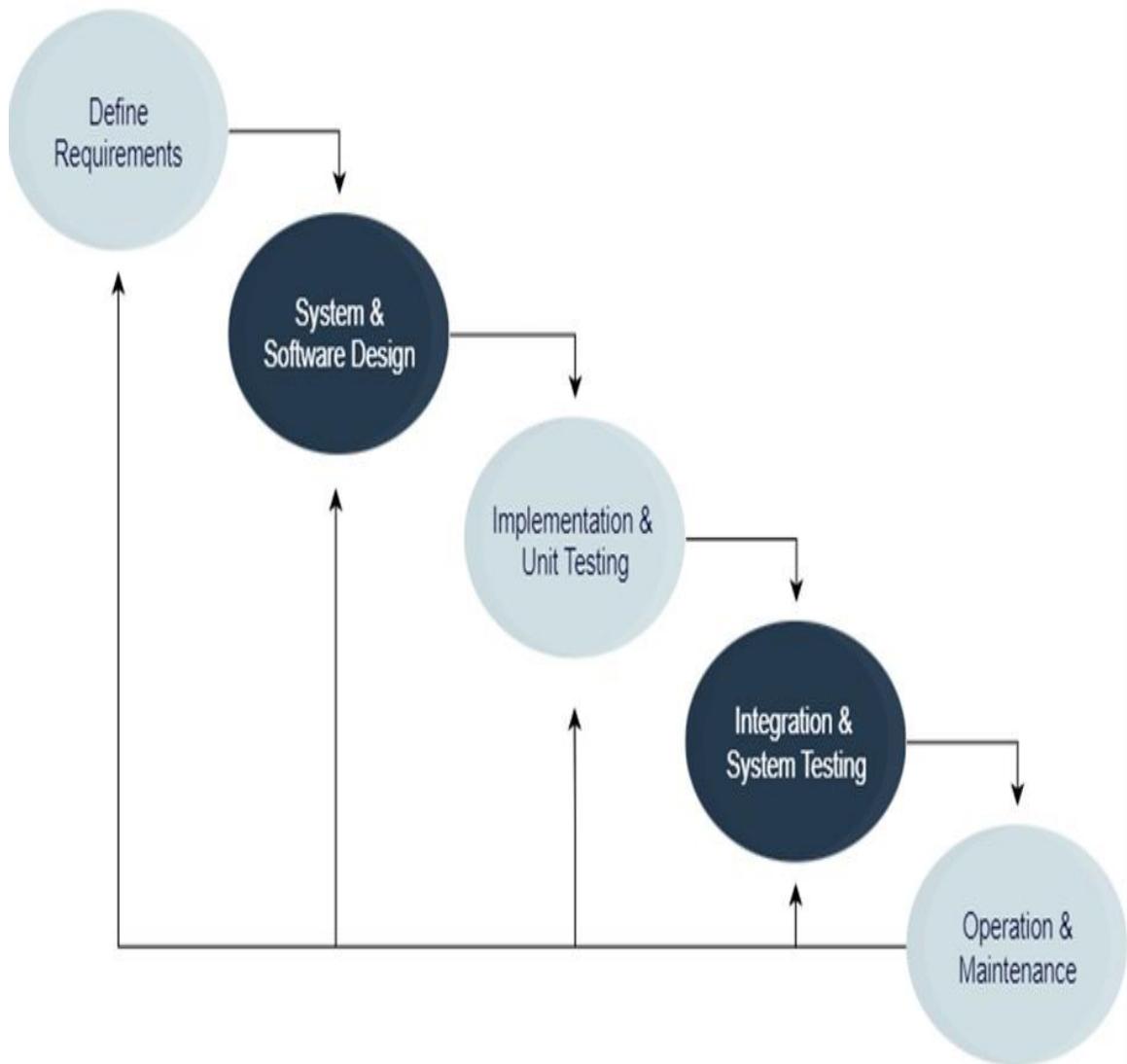
For this Real Estate Management System, the Waterfall Model has been selected due to its clear structure, sequential approach, and suitability for projects with well-defined requirements.

Our project follows the waterfall model

➤ THE WATERFALL MODEL

The steps of the typical waterfall model are:

- 1) Requirement definition
- 2) System & software design
- 3) Implementation
- 4) Integration & system testing
- 5) Operation and maintenance



[FIG: - WATERFALL MODEL]

There have been some variations from the typical waterfall model for this project lifecycle.

2.3 REQUIREMENT ENGINEERING

It is a four-step process, which includes -

1. Feasibility Study
2. Requirement Elicitation and Analysis
3. Software Requirement Specification
4. Software Requirement Validation
5. Software Requirement Management

1. Feasibility Study:

The objective behind the feasibility study is to create the reasons for developing the software that is acceptable to users, flexible to change and conformable to established standards.

Types of Feasibility:

1. **Technical Feasibility** - Technical feasibility evaluates the current technologies, which are needed to accomplish customer requirements within the time and budget.
2. **Operational Feasibility** - Operational feasibility assesses the range in which the required software performs a series of levels to solve business problems and customer requirements.
3. **Economic Feasibility** - Economic feasibility decides whether the necessary software can generate financial profits for an organization.

2. Requirement Elicitation and Analysis:

This is also known as the **gathering of requirements**. Here, requirements are identified with the help of customers and existing systems processes, if available.

Analysis of requirements starts with requirement elicitation. The requirements are analyzed to identify inconsistencies, defects, omission, etc. We describe requirements in terms of relationships and also resolve conflicts if any.

Problems of Elicitation and Analysis

- Getting all, and only, the right people involved.
- Stakeholders often don't know what they want
- Stakeholders express requirements in their terms.
- Stakeholders may have conflicting requirements.
- Requirement change during the analysis process.
- Organizational and political factors may influence system requirements.

3. Software Requirement Specification:

Software requirement specification is a kind of document which is created by a software analyst after the requirements collected from the various sources - the requirement received by the customer written in ordinary language. It is the job of the analyst to write the requirement in technical language so that they can be understood and beneficial by the development team.

The models used at this stage include ER diagrams, data flow diagrams (DFDs), function decomposition diagrams (FDDs), data dictionaries, etc.

- **Data Flow Diagrams:** Data Flow Diagrams (DFDs) are used widely for modeling the requirements. DFD shows the flow of data through a system. The system may be a company, an organization, a set of procedures, a computer hardware system, a software system, or any combination of the preceding. The DFD is also known as a data flow graph or bubble chart.
- **Data Dictionaries:** Data Dictionaries are simply repositories to store information about all data items defined in DFDs. At the requirements stage, the data dictionary should at least define customer data items, to ensure that the customer and developers use the same definition and terminologies.

Entity-Relationship Diagrams: Another tool for requirement specification is the entityrelationship diagram, often called an "*E-R diagram*." It is a detailed logical representation of the data for the organization and uses three main constructs i.e. data entities, relationships, and their associated attributes

4. Software Requirement Validation:

After requirement specifications developed, the requirements discussed in this document are validated. The user might demand illegal, impossible solution or experts may misinterpret the needs. Requirements can be the check against the following conditions -

- If they can practically implement
- If they are correct and as per the functionality and specially of software
- If there are any ambiguities
- If they are full
- If they can describe

Requirements Validation Techniques

- **Requirements reviews/inspections:** systematic manual analysis of the requirements.
- **Prototyping:** Using an executable model of the system to check requirements.
- **Test-case generation:** Developing tests for requirements to check testability.
- **Automated consistency analysis:** checking for the consistency of structured requirements descriptions.

1. Software Requirement Management:

Requirement management is the process of managing changing requirements during the requirements engineering process and system development.

New requirements emerge during the process as business needs a change, and a better understanding of the system is developed.

The priority of requirements from different viewpoints changes during development process.

The business and technical environment of the system changes during the development.

2.3.1 Software Requirements Specifications (SRS)

The production of the requirements stage of the software development process is Software Requirements Specifications (SRS) (also called a requirements document). This report lays a foundation for software engineering activities and is constructed when entire requirements are elicited and analyzed. SRS is a formal report, which acts as a representation of software that enables the customers to review whether it (SRS) is according to their requirements. Also, it comprises user requirements for a system as well as detailed specifications of the system requirements.

Following are the features of a good SRS document:

- 1. Correctness:** User review is used to provide the accuracy of requirements stated in the SRS. SRS is said to be perfect if it covers all the needs that are truly expected from the system.
- 2. Completeness:** The SRS is complete if, and only if, it includes the following elements:
 - (1). All essential requirements, whether relating to functionality, performance, design, constraints, attributes, or external interfaces.
 - (2). Definition of their responses of the software to all realizable classes of input data in all available categories of situations.
- 3. Consistency:** The SRS is consistent if, and only if, no subset of individual requirements described in its conflict.
- 4. Unambiguousness:** SRS is unambiguous when every fixed requirement has only one interpretation. This suggests that each element is uniquely interpreted. In case there is a method used with multiple definitions, the requirements report should determine the implications in the SRS so that it is clear and simple to understand.
- 5. Ranking for importance and stability:** The SRS is ranked for importance and stability if each requirement in it has an identifier to indicate either the significance or stability of that particular requirement.

Typically, all requirements are not equally important. Some prerequisites may be essential, especially for life-critical applications, while others may be desirable. Each element should be identified to make these differences clear and explicit. Another way to rank requirements is to distinguish classes of items as essential, conditional, and optional.

- 6. Modifiability:** SRS should be made as modifiable as likely and should be capable of quickly obtain changes to the system to some extent. Modifications should be perfectly indexed and crossreferenced.
- 7. Verifiability:** SRS is correct when the specified requirements can be verified with a costeffective system to check whether the final software meets those requirements. The requirements are verified with the help of reviews.
- 8. Traceability:** The SRS is traceable if the origin of each of the requirements is clear and if it facilitates the referencing of each condition in future development or enhancement documentation.
- 9. Design Independence:** There should be an option to select from multiple design alternatives for the final system. More specifically, the SRS should not contain any implementation details.
- 10. Testability:** An SRS should be written in such a method that it is simple to generate test cases and test plans from the report.
- 11. Understandable by the customer:** An end user may be an expert in his/her explicit domain but might not be trained in computer science. Hence, the purpose of formal notations and symbols should be avoided too as much extent as possible. The language should be kept simple and clear.

Properties of a good SRS document

The essential properties of a good SRS document are the following:

Concise: The SRS report should be concise and at the same time, unambiguous, consistent, and complete. Verbose and irrelevant descriptions decrease readability and also increase error possibilities.

Structured: It should be well-structured. A well-structured document is simple to understand and modify. In practice, the SRS document undergoes several revisions to cope up with the user requirements. Often, user requirements evolve over a period of time. Therefore, to make the modifications to the SRS document easy, it is vital to make the report well-structured.

Black-box view: It should only define what the system should do and refrain from stating how to do these. This means that the SRS document should define the external behavior of the system and not discuss the implementation issues. The SRS report should view the system to be developed as a black box and should define the externally visible behavior of the system. For this reason, the SRS report is also known as the black-box specification of a system.

Conceptual integrity: It should show conceptual integrity so that the reader can merely understand it. Response to undesired events: It should characterize acceptable responses to unwanted events. These are called system response to exceptional conditions.

Verifiable: All requirements of the system, as documented in the SRS document, should be correct. This means that it should be possible to decide whether or not requirements have been met in an implementation.

Chapter:-3

System Diagram

3. System Diagram

3.1 USER CHARACTERISTICS

- ❖ This system will be used in two modules which are Administrator, user. As all of these have different requirements the modules are designed to meet their needs and avoid any type of confusion. The uses of all two user modules have been described below.

3.2 DATA FLOW DIAGRAM (DFD)

The DFD (also known as bubble chart) is a simple graphical formalism that can be used to represent a system in terms of the input data into the system, various process carried on these data and the output data generated by the system.

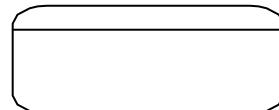
The main reason why the DFD technique is so popular is because the fact that the DFD is very simple formalism – it is simple to understand use. A DFD is a very limited number of primitive symbols to represent the functions performed by a system and the data flow among the functions. Starting with a set of high-level functions that a system performs, a DFD model hierarchy represents various sub-functions.

DFD SYMBOLS:

In the DFD, there are four symbols

1. A square defines a source(originator) or destination of system data
2. An arrow identifies data flow. It is the pipeline through which the information flows
3. A circle or a bubble represents a process that transforms incoming data flow into outgoing data flows.
4. An open rectangle is a data store, data at rest or a temporary repository of data

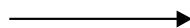
Process that transforms



Source or Destination of data

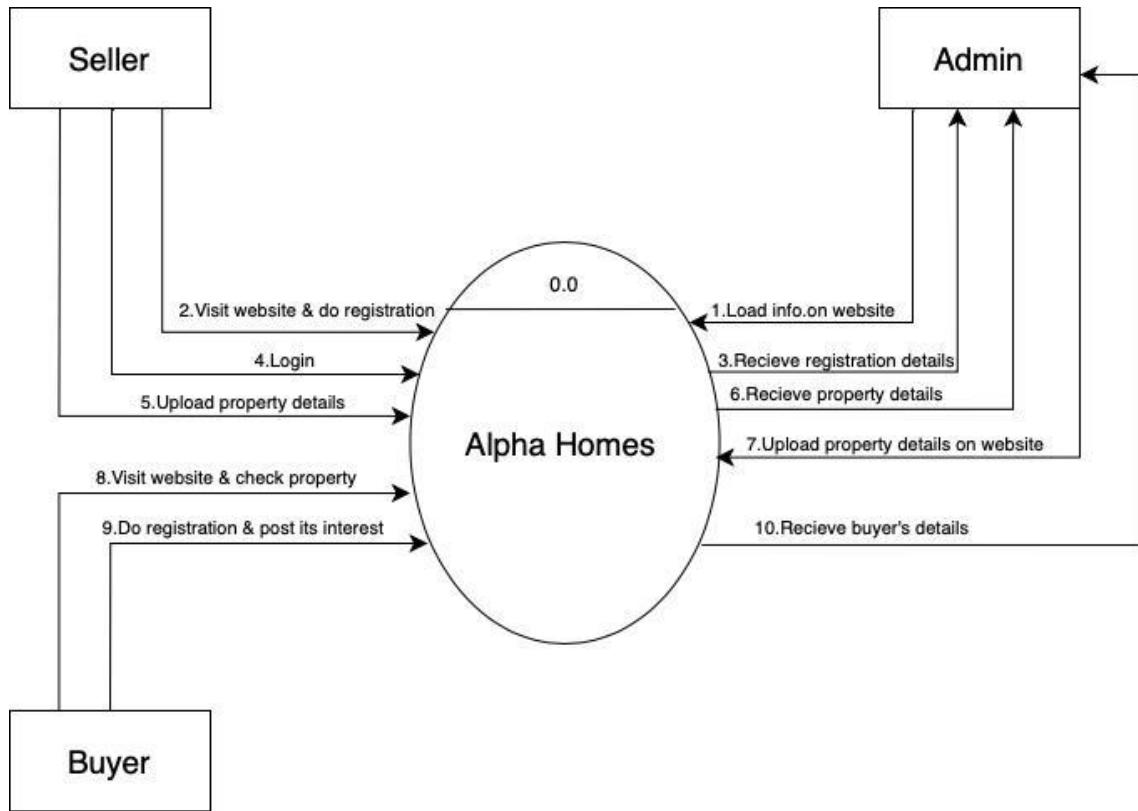


Data flow

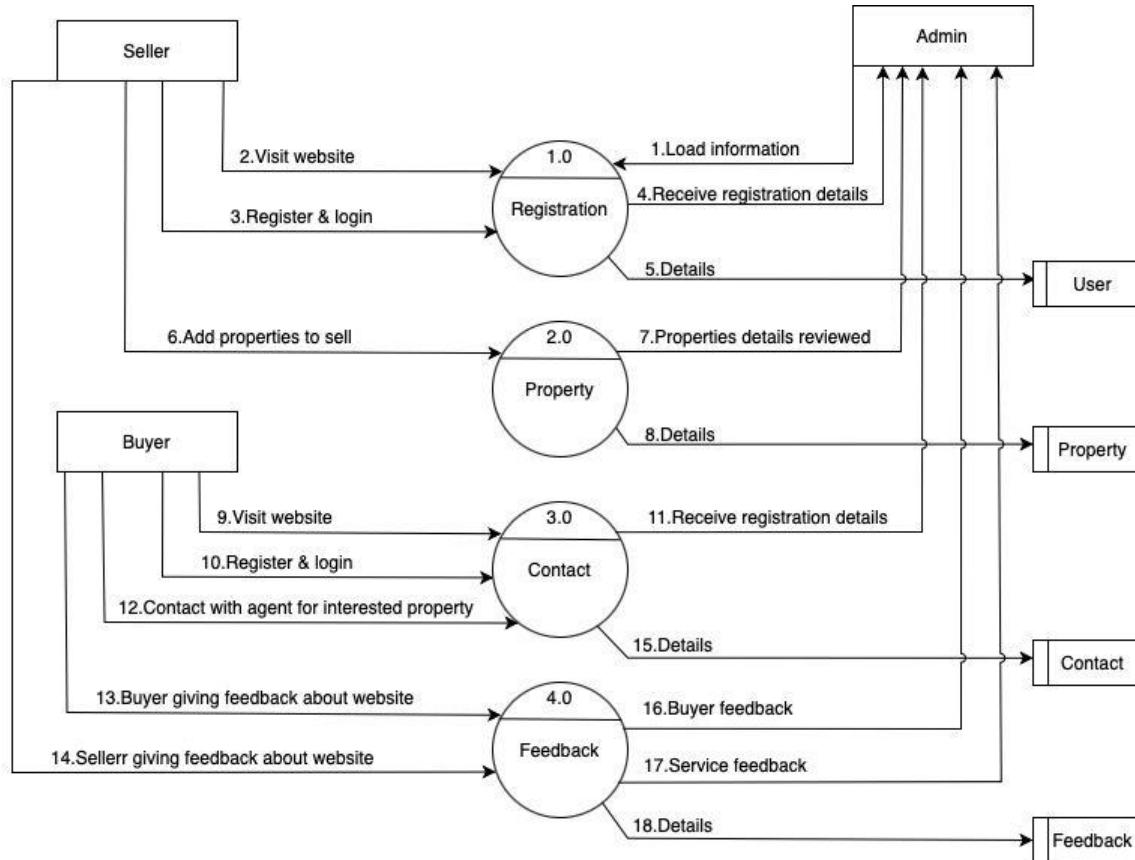


Data Store

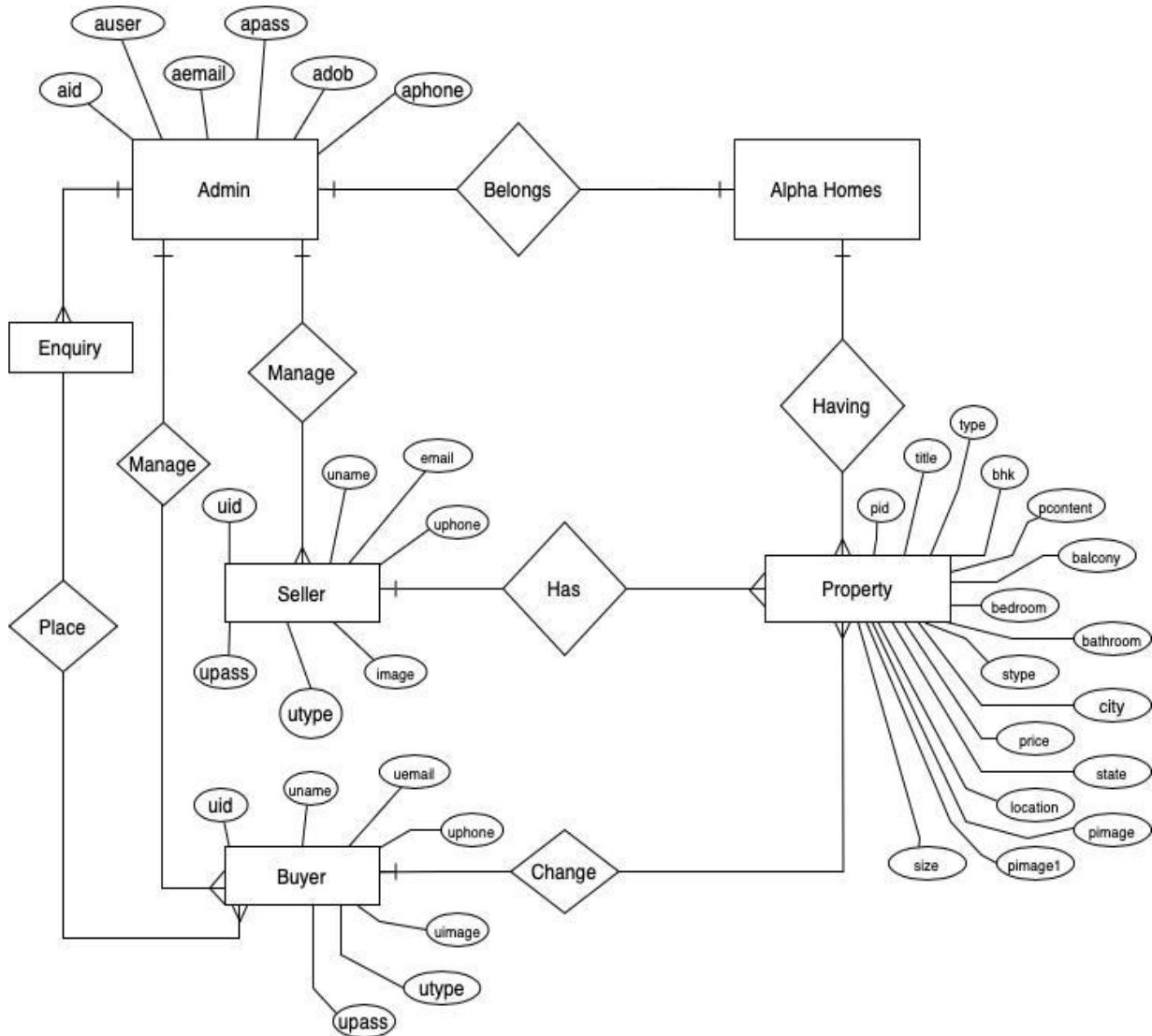


Context Level DFD

First Level DFD



3.3 ERD



3.4 System Requirements:

- Software Requirements:**

Operating System Server: Windows 7 or later

Database Server: Microsoft SQL Server-2005

Client: Microsoft Internet Explorer

Tools: Microsoft Visual Studio Code, XXAMP

User Interface: html, css, js, bootstrap.

Code Behind: MySql

- Hardware Requirements:**

Processor: Intel Pentium or More

Ram: 512 MB Ram

Hard Disk: PC with 20GB

Chapter:-4

System Design

4. System Design

Data Dictionary:

TABLE 1:- User Login

Description:- This table keeps the information about User

The screenshot shows the phpMyAdmin interface for the 'user' table in the 'realestatephp' database. The table has 7 columns:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	uid	int(50)	utf8mb4_general_ci	No	None		AUTO_INCREMENT		Change Drop More
2	uname	varchar(100)	utf8mb4_general_ci	No	None				Change Drop More
3	uemail	varchar(100)	utf8mb4_general_ci	No	None				Change Drop More
4	uphone	varchar(20)	utf8mb4_general_ci	No	None				Change Drop More
5	upass	varchar(50)	utf8mb4_general_ci	No	None				Change Drop More
6	utype	varchar(50)	utf8mb4_general_ci	No	None				Change Drop More
7	uimage	varchar(300)	utf8mb4_general_ci	No	None				Change Drop More

Below the table structure, there is an 'Indexes' section showing a primary key index named 'PRIMARY' on the 'uid' column.

TABLE 2:- About table

Description:- This table keeps the information of about us.

The screenshot shows the phpMyAdmin interface for the 'about' table in the 'realestatephp' database. The table has 4 columns:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	int(10)	utf8mb4_general_ci	No	None		AUTO_INCREMENT		Change Drop More
2	title	varchar(100)	utf8mb4_general_ci	No	None				Change Drop More
3	content	longtext	utf8mb4_general_ci	No	None				Change Drop More
4	image	varchar(300)	utf8mb4_general_ci	No	None				Change Drop More

Below the table structure, there is an 'Indexes' section showing a primary key index named 'PRIMARY' on the 'id' column. A note at the bottom states 'No partitioning defined'.

TABLE 3:- Admin Login

Description:- This table keeps the information about Admin Login

The screenshot shows the phpMyAdmin interface for the 'admin' table in the 'realestatephp' database. The table structure is as follows:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	aid	int(10)	utf8mb4_general_ci	No	None		AUTO_INCREMENT		Change Drop More
2	auser	varchar(50)	utf8mb4_general_ci	No	None				Change Drop More
3	aemail	varchar(50)	utf8mb4_general_ci	No	None				Change Drop More
4	apass	varchar(50)	utf8mb4_general_ci	No	None				Change Drop More
5	adob	date		No	None				Change Drop More
6	aphone	varchar(15)	utf8mb4_general_ci	No	None				Change Drop More

Indexes section:

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit Rename Drop	PRIMARY	BTREE	Yes	No	aid	2	A	No	

Create an index on 1 columns [Go](#)

Partitions section: No partitioning defined!

TABLE 4:- City Information

Description:- This table keeps the information about City name.

The screenshot shows the phpMyAdmin interface for the 'city' table in the 'realestatephp' database. The table structure is as follows:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	cid	int(50)	utf8mb4_general_ci	No	None		AUTO_INCREMENT		Change Drop More
2	cname	varchar(100)	utf8mb4_general_ci	No	None				Change Drop More
3	sid	int(50)		No	None				Change Drop More

Indexes section:

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit Rename Drop	PRIMARY	BTREE	Yes	No	cid	5	A	No	

Create an index on 1 columns [Go](#)

Partitions section: No partitioning defined!

Partition table [Console](#)

TABLE 5:- Contact (seller to buyer)

Description:- This table keeps the information about Contact (seller to buyer).

The screenshot shows the phpMyAdmin interface for the 'realestatephp' database. The 'contact' table is selected. The table structure is as follows:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	cid	int(50)	utf8mb4_general_ci	No	None		AUTO_INCREMENT		Change Drop More
2	name	varchar(100)	utf8mb4_general_ci	No	None				Change Drop More
3	email	varchar(100)	utf8mb4_general_ci	No	None				Change Drop More
4	phone	varchar(20)	utf8mb4_general_ci	No	None				Change Drop More
5	subject	varchar(100)	utf8mb4_general_ci	No	None				Change Drop More
6	message	varchar(250)	utf8mb4_general_ci	No	None				Change Drop More

Indexes:

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit Rename Drop	PRIMARY	BTREE	Yes	No	cid	1	A	No	

Create an index on 1 columns [Go](#)

Partitions:

No partitioning defined!

TABLE 6:- Feedback Page

Description:- This table keeps the information about Feedback page.

The screenshot shows the phpMyAdmin interface for the 'realestatephp' database. The 'feedback' table is selected. The table structure is as follows:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	fid	int(50)	utf8mb4_general_ci	No	None		AUTO_INCREMENT		Change Drop More
2	uid	int(50)	utf8mb4_general_ci	No	None				Change Drop More
3	description	varchar(300)	utf8mb4_general_ci	No	None				Change Drop More
4	status	int(1)	utf8mb4_general_ci	No	None				Change Drop More
5	date	datetime	utf8mb4_general_ci	No	current_timestamp()				Change Drop More

Indexes:

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit Rename Drop	PRIMARY	BTREE	Yes	No	fid	0	A	No	

Create an index on 1 columns [Go](#)

Partitions:

No partitioning defined!

TABLE 7:- Property Information

Description:- This table keeps the information about Property information.

The screenshot shows the phpMyAdmin interface for the 'realestatephp' database. The left sidebar lists various databases and tables. The main area displays the structure of the 'property' table, which contains 31 columns:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	pid	int(50)			No	None	AUTO_INCREMENT		Change Drop More
2	title	varchar(200)	utf8mb4_general_ci		No	None			Change Drop More
3	pcontent	longtext	utf8mb4_general_ci		No	None			Change Drop More
4	type	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More
5	bhk	varchar(50)	utf8mb4_general_ci		No	None			Change Drop More
6	stype	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More
7	bedroom	int(50)			No	None			Change Drop More
8	bathroom	int(50)			No	None			Change Drop More
9	balcony	int(50)			No	None			Change Drop More
10	kitchen	int(50)			No	None			Change Drop More
11	hall	int(50)			No	None			Change Drop More
12	floor	varchar(50)	utf8mb4_general_ci		No	None			Change Drop More
13	size	int(50)			No	None			Change Drop More
14	price	int(50)			No	None			Change Drop More
15	location	varchar(200)	utf8mb4_general_ci		No	None			Change Drop More
16	city	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More
17	state	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More
18	feature	longtext	utf8mb4_general_ci		No	None			Change Drop More
19	pimage	varchar(300)	utf8mb4_general_ci		No	None			Change Drop More
20	pimage1	varchar(300)	utf8mb4_general_ci		No	None			Change Drop More
21	pimage2	varchar(300)	utf8mb4_general_ci		No	None			Change Drop More
22	pimage3	varchar(300)	utf8mb4_general_ci		No	None			Change Drop More
23	pimage4	varchar(300)	utf8mb4_general_ci		No	None			Change Drop More
24	uid	int(50)			No	None			Change Drop More
25	status	varchar(50)	utf8mb4_general_ci		No	None			Change Drop More
26	mapimage	varchar(300)	utf8mb4_general_ci		No	None			Change Drop More
27	topmapimage	varchar(300)	utf8mb4_general_ci		No	None			Change Drop More
28	groundmapimage	varchar(300)	utf8mb4_general_ci		No	None			Change Drop More
29	totalfloor	varchar(50)	utf8mb4_general_ci		No	None			Change Drop More
30	date	datetime			No	current_timestamp()			Change Drop More
31	isFeatured	int(11)			Yes	NULL			Change Drop More

Below the table structure, there are buttons for 'Check all', 'With selected:', and various actions like 'Browse', 'Change', 'Drop', etc. A 'Indexes' section is also present at the bottom.

TABLE 8:- State Information

Description:- This table keeps the information about State information.

The screenshot shows the phpMyAdmin interface for the 'realestatephp' database. The left sidebar lists various databases and their tables. The main panel displays the 'Table structure' for the 'state' table. The table has two columns: 'sid' (int(50)) and 'sname' (varchar(100)). A primary key 'sid' is defined. An index 'PRIMARY' is also present. The 'Indexes' section shows the primary key definition.

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit	PRIMARY	BTREE	Yes	No	sid	0	A	No	

Output Design

Home Page –

About Us Page –

At Alpha Homes, we believe that real estate is more than just buying and selling properties—it's about building dreams, creating opportunities, and establishing lifelong relationships. With a strong foundation of industry expertise and a deep understanding of market trends, we are dedicated to providing exceptional real estate services tailored to the needs of our clients. Whether you are searching for your dream home, looking to invest, or planning to sell, we ensure a seamless and rewarding experience.

Our team at Alpha Homes is comprised of experienced and passionate professionals who are committed to guiding you every step of the way. We take pride in offering personalized service, ensuring that each client receives the attention and expertise needed to make confident real estate decisions. From property selection and market analysis to negotiations and closing deals, we handle every detail with precision and care.

At the core of our success is our unwavering commitment to integrity, transparency, and client satisfaction. We believe in fostering trust through honest communication and delivering results that align with our clients' goals. Every property has a story, and we strive to connect buyers and sellers in ways that bring value and fulfillment to their real estate journey.

Contact (Get in touch)-

The screenshot shows the contact section of the Alpha Homes website. At the top, there are navigation links for Home, About, Contact, Properties, Agent, Login/Register, and a green 'Submit Property' button. Below this is the Alpha Homes logo and a 'Contacts' sidebar containing address, call, and email information. To the right is a 'Get In Touch' form with fields for name, email, phone, subject, and comments, followed by a 'Send Message' button.

Agent Page:

The screenshot shows the agent page of the Alpha Homes website. It features the same header and navigation as the contact page. Below the navigation is the Alpha Homes logo. The main content area displays three agent profiles: Prathamesh Suryawanshi (selfie), Omkar Kumbhar (standing on a beach), and Rushikesh Kadam (standing on a beach). Each profile includes a photo, the agent's name, and their title as a 'Real Estate - Agent'.

Properties Website—

+91 1122779595 Alphahomes@gmail.com

ALPHA HOMES

Home About Contact Properties Agent Login/Register [Submit Property](#)



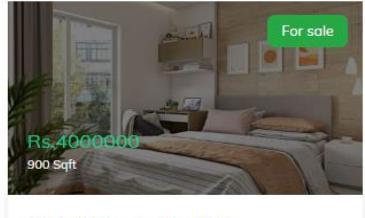
For sale

Rs.7000000
6500 Sqft

Amar Villa

Near Bhagya Chowk Aambegaon Road, Vadliyeraibag, Sangli

By : Prathamesh Suryawanshi 09-03-2025



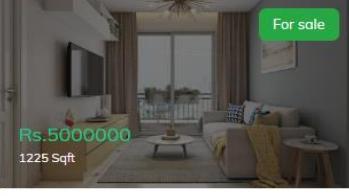
For sale

Rs.4000000
900 Sqft

Flat At Thane,Mumbai

Mumbai

By : Prathamesh Suryawanshi 09-03-2025



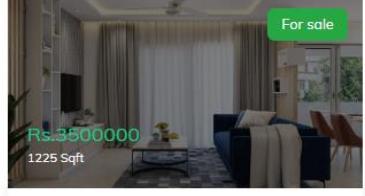
For sale

Rs.5000000
1225 Sqft

Flat At Delhi

Delhi

By : Omkar Kumbhar 09-03-2025



For sale

Rs.3500000
1225 Sqft

Flat At Lucknow

Lucknow

By : Omkar Kumbhar 09-03-2025

Previous 1 2 3 ... 5 Next

Instalment Calculator

Featured Property



Flat At Lucknow

lucknow



Flat At Delhi

Delhi



Flat At Thane,Mumbai

Mumbai

Recently Added Property



Flat At Lucknow

lucknow



Flat At Delhi

Delhi



Flat At Thane,Mumbai

New Registration-

Register
Access to our dashboard

Your Name*
Your Email*
Your Phone*
Your Password*
 User Agent Builder
 User Image
 No file chosen

Register

Login –

Login
Access to our dashboard

Your Email*
Your Password

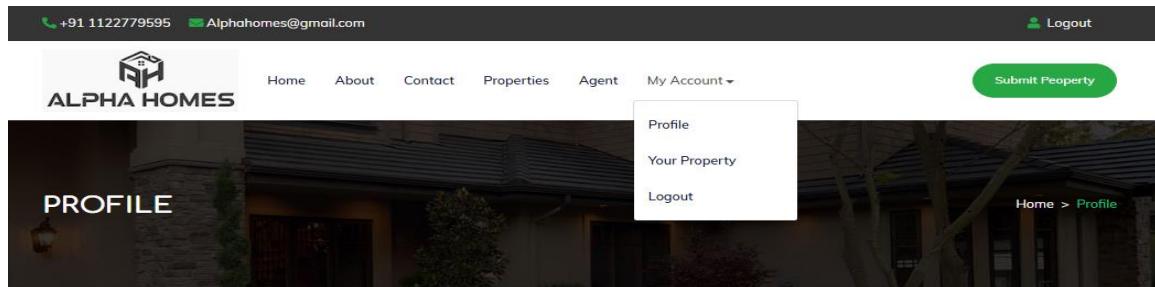
Login

OR

Login with

Don't have an account? [Register](#)

After login-



Feedback Form

Full Name

Contact Number

Your Feedback



Name: Prathamesh Suryawanshi

Email: psuryawanshi07@gmail.com

Contact: 8010663729

Role: Agent

Property Submission-

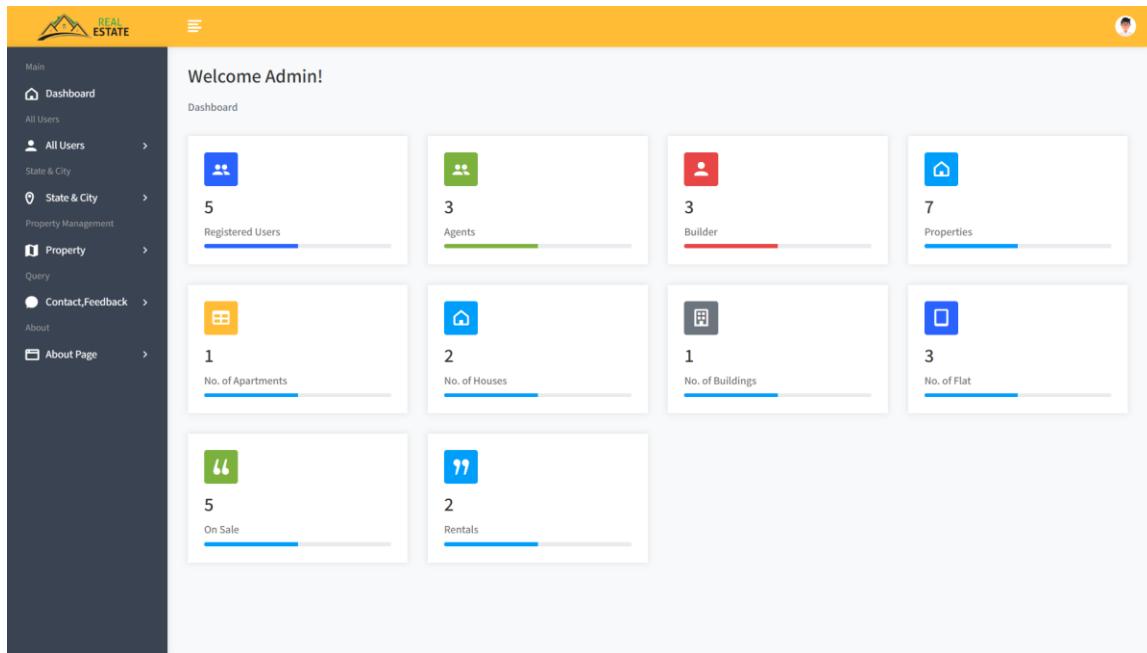
The screenshot shows the 'Submit Property' page of the Alpha Homes Real Estate Management System. The top navigation bar includes links for Home, About, Contact, Properties, Agent, My Account, Logout, and a green 'Submit Property' button. The main content area is titled 'Submit Property' and contains several sections for inputting property details:

- Basic Information**: Includes fields for Title (text input), Content (WYSIWYG editor with toolbar), Property Type (dropdown), Selling Type (dropdown), Bathroom (text input), Kitchen (text input), Bedroom (text input), Balcony (text input), and Hall (text input).
- Price & Location**: Includes fields for Floor (dropdown), Price (text input), City (text input), State (text input), Total Floor (dropdown), Area Size (text input), Address (text input), and a note: "Important Please Do Not Remove Below Content Only Change Yes Or No or Details and Do Not Add More Details".
- Feature**: A WYSIWYG editor containing a list of features:
 - Property Age : 10 Years
 - Swimming Pool : Yes
 - Parking : Yes
 - GYM : Yes
 - Type : Apartment
 - Security : Yes
 - Dining Capacity : 10 People
 - Church/Temple : No
 - 3rd Party : No
 - Elevator : Yes
 - CCTV : Yes
 - Water Supply : Ground Water / Tank
- Image & Status**: Includes fields for Image (choose file), Image 2 (choose file), Image 4 (choose file), Status (dropdown), Basement Floor Plan Image (choose file), Image 1 (choose file), image 3 (choose file), Floor Plan Image (choose file), Ground Floor Plan Image (choose file), and a dropdown for Is Featured?.
- Action Buttons**: A blue 'Submit Property' button at the bottom of the form.

Report Design

REPORTS:

Dashboard Report:



Admin Details Report

#	Name	Email	Date Of Birth	Contact	Action
1	admin	admin@gmail.com	1994-12-06	1470002569	<button>Delete</button>

Showing 1 to 1 of 1 entries

User Details Report

#	Name	Email	Contact	Utype	Image	Action
1	Prathamesh Suryawanshi	pssuryawanshi@gmail.com	8010663729	user		<button>Delete</button>
2	Omkar Kumbhar	psomkar@gmail.com	1254986523	user		<button>Delete</button>
3	Rushoresh Kadam	Rushikeshkadam@gmail.com	8798545621	user		<button>Delete</button>
4	Abhiraj Jadav	abhirajjadav87@gmail.com	5456780934	user		<button>Delete</button>
5	yashodeep Phalke	yashuphalke87@gmail.com	6587452165	user		<button>Delete</button>

Showing 1 to 5 of 5 entries

Agent Details Report

#	Name	Email	Contact	Utype	Image	Action
1	Prathamesh Suryawanshi	pssuryawanshi07@gmail.com	8010663729	agent		<button>Delete</button>
2	Omkar Kumbhar	kumbharomkar087@gmail.com	9865876598	agent		<button>Delete</button>
3	Rushikesh Kadam	kadamrushikesh77@gmail.com	8089765476	agent		<button>Delete</button>

Showing 1 to 3 of 3 entries

Builder Details Report

The screenshot displays the 'Builder' section of the Real Estate Management System. The left sidebar contains navigation links for Main, Dashboard, All Users (Admin, Users, Agent, Builder), State & City, Property Management, Property, Contact, Feedback, and About. The main content area shows a table titled 'Builder List' with columns: #, Name, Email, Contact, Utype, Image, and Action. Three entries are listed:

#	Name	Email	Contact	Utype	Image	Action
1	Vaishvi Nikam	vaishavnikam@gmail.com	8745986587	builder		<button>Delete</button>
2	Shreya Pawar	shreyapawar@gmail.com	9887546598	builder		<button>Delete</button>
3	Akshya Pawar	akshyapawar@gmail.com	6523214554	builder		<button>Delete</button>

At the bottom, it says 'Showing 1 to 3 of 3 entries'.

Admin Add Property-

The screenshot displays the 'Admin Add Property' interface. On the left is a dark sidebar with navigation links: Main, Dashboard, All Users, State & City, Property Management, Property (selected), Add Property, View Property, Query, Contact, Feedback, About, and About Page.

The main content area has a yellow header bar with the title 'Property'. Below it is a breadcrumb trail: Dashboard / Property.

Add Property Details

Property Detail

- Title:** Enter Title
- Content:** A WYSIWYG editor with toolbar buttons for File, Edit, View, Insert, Format, Tools, and Table.

Property Type

Select Type	BHK	Select BHK
-------------	-----	------------

Selling Type

Select Status	Bedroom	Enter Bedroom (only no 1 to 10)
---------------	---------	---------------------------------

Bathroom

Enter Bathroom (only no 1 to 10)	Balcony	Enter Balcony (only no 1 to 10)
----------------------------------	---------	---------------------------------

Kitchen

Enter Kitchen (only no 1 to 10)	Hall	Enter Hall (only no 1 to 10)
---------------------------------	------	------------------------------

Price & Location

Select Floor	Total Floor	Select Floor
--------------	-------------	--------------

Feature

* Important Please Do Not Remove Below Content Only Change Yes Or No or Details and Do Not Add More Details

A WYSIWYG editor with toolbar buttons for File, Edit, View, Insert, Format, Tools, and Table.

- Property Age : 10 Years
- Swimming Pool : Yes
- Parking : Yes
- GYM : Yes
- Type : Apartment
- Security : Yes
- Dining Capacity : 10 People
- Church/Temple : No

Image & Status

Image	Choose File	No file chosen	Image 1	Choose File	No file chosen
Image 2	Choose File	No file chosen	image 3	Choose File	No file chosen
Image 4	Choose File	No file chosen	Uid	Enter User Id (only number)	
Status	Select Status		Floor Plan Image	Choose File	No file chosen
Basement Floor Plan Image	Choose File	No file chosen	Ground Floor Plan Image	Choose File	No file chosen

Is Featured?

Select...

View Property-

Title	Type	BHK	S/R	Area	Price	Location	Status	Added Date
Aaryman	building	2,3,4 BHK	rent	1225	100000	Near bhagva chowk Aambegaon road, Vadieraibag, Sangli	available	2025-04-16 14:13:35
Amar Villa	house	4 BHK	sale	6500	700000	Near bhagva chowk Aambegaon road, Vadieraibag, Sangli	sold out	2025-03-09 09:49:42
Flat at Delhi	flat	1 BHK	sale	1225	500000	Delhi	available	2025-03-09 10:00:10
Flat At Lucknow	flat	1 BHK	sale	1225	3500000	lucknow	available	2025-03-09 10:04:08
Flat at Thane,Mumbai	flat	1 BHK	sale	900	400000	Mumbai	available	2025-03-09 09:56:44
ShobhagayatiAppartment	apartment	2 BHK	rent	520	50000	Near bhagva chowk Aambegaon road, Vadieraibag, Sangli	available	2025-04-16 14:03:15
Zills Home	house	4 BHK	sale	1869	219690	39 Bailey Drive	available	2022-07-22 22:29:20

Showing 1 to 7 of 7 entries

Contact Details Report-

#	Name	Email	Phone	Subject	Message	Action
1	Omkar Kumbhar	omkar@gmail.com	8010663729	to sale a property	want to sell some flat and houses	<button>Delete</button>
2	Rushikesh Kadam	Rushikeshkadam@gmail.com	9865322154	to buy a property	want to invest	<button>Delete</button>
3	Sam Patil	sam@gmail.com	8945879865	want some information	about your website	<button>Delete</button>

Showing 1 to 3 of 3 entries

Contact Details Report-

The screenshot shows a contact management interface. On the left is a dark sidebar with navigation links: Main, Dashboard, All Users, State & City, Property Management, Property, Contact, Feedback, and About. The main area has a yellow header with the title "Contact" and a breadcrumb "Dashboard / Contact". Below is a table titled "Contact List" with columns: #, Name, Email, Phone, Subject, Message, and Action. Three entries are listed:

#	Name	Email	Phone	Subject	Message	Action
1	Omkar Kumbhar	omkar@gmail.com	8010663729	to sale a property	want to sell some flast and houses	<button>Delete</button>
2	Rushikesh Kadam	Rushikeshkadams@gmail.com	9865322154	to buy a property	want to invest	<button>Delete</button>
3	Sam Patil	sam@gmail.com	8945879865	want some information	about your website	<button>Delete</button>

Showing 1 to 3 of 3 entries.

Feedback Details Report-

The screenshot shows a feedback management interface. The sidebar and header are identical to the contact report. The main area has a yellow header with the title "Feedback" and a breadcrumb "Dashboard / Feedback". A green success message says "Feedback Updated Successfully". Below is a table titled "Feedback List" with columns: #, Name, Email, Feedback, Status, and Actions. Five entries are listed:

#	Name	Email	Feedback	Status	Actions
1	Prathamesh Suryawanshi	pssuryawanshi07@gmail.com	i am prathamesh	0	<button>Edit</button> <button>Delete</button>
2	Prathamesh Suryawanshi	pssuryawanshi07@gmail.com	Very efective website	1	<button>Edit</button> <button>Delete</button>
3	Prathamesh Suryawanshi	pssuryawanshi07@gmail.com	Excellent....!!!!	0	<button>Edit</button> <button>Delete</button>
4	Prathamesh Suryawanshi	pssuryawanshi07@gmail.com	proper website	0	<button>Edit</button> <button>Delete</button>
5	Prathamesh Suryawanshi	pssuryawanshi07@gmail.com	All in one website good one....!!	0	<button>Edit</button> <button>Delete</button>

Showing 1 to 5 of 5 entries.

localhost/Realstate-PHP/admin/feedbackview.php

Chapter:-5

User Guideline

5. System Requirements:

Installation Process:

Software Requirements:

Operating System Server: Windows 7 or later

Database Server: Microsoft SQL Server-2005

Client: Microsoft Internet Explorer

Tools: Microsoft Visual Studio Code, XXAMP.

User Interface: html, css, js, bootstrap.

Code Behind: MySql

User's Role

1. Providing the correct information while registering
2. Managing properties store by Insertion, deletion, update, and searching of property details
3. Property Analysis (if sold then remove from my properties)

Admin's Role

1. Deletion of users or property database if required
2. Monitor the user's login reports and property analysis

Modules of Real Estate Management System:

The system is made of a combination of modules that work in collaboration with each other and make it beneficial to accomplish the main aim of the system.

Registration:

Users' information has to be compelled to be registered within the system thus on establish every one of them unambiguously and do the required group action as simple potential.

Without registration, customer does not see the properties. For use, he will have to register. One person needs to put all the details properly and precisely as it will be helpful in identifying them and believing that he is the real person who has booked for the same.

Admin:

Admin has the official powers to control the flow of the data from one part of the system to the other. He has the power to manipulate the access of the users to the data.

The main purpose of this account is to make the user data relevant and then giving the inputs to the other interface module and make it work optimistically and get the timetable according to the wish we want to create for a particular type of inputs.

Chapter:-6

source code

Index page or Home page-

```

<?php
    session_start();
    include("config.php");
    $error="";
    if(isset($_POST['login']))
    {
        $user=$_REQUEST['user'];
        $pass=$_REQUEST['pass'];
        $pass= sha1($pass);

        if(!empty($user) && !empty($pass))
        {
            $query = "SELECT auser, apass FROM admin WHERE auser='$user' AND apass='$pass'";
            $result = mysqli_query($conn,$query)or die(mysqli_error());
            $num_row = mysqli_num_rows($result);
            $row=mysqli_fetch_array($result);
            if( $num_row ==1 )
            {
                $_SESSION['auser']=$user;
                header("Location: dashboard.php");
            }
            else
            {
                $error='* Invalid User Name and Password';
            }
        }else{
            $error="* Please Fill all the Fileds!";
        }
    }
    ?>
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0, user-scalable=0">
    <title>RE Admin - Login</title>

    <!-- Favicon -->
    <link rel="shortcut icon" type="image/x-icon" href="assets/img/favicon.png">

    <!-- Bootstrap CSS -->

```

```

<link rel="stylesheet" href="assets/css/bootstrap.min.css">

<!-- Fontawesome CSS -->
<link rel="stylesheet" href="assets/css/font-awesome.min.css">

<!-- Main CSS -->
<link rel="stylesheet" href="assets/css/style.css">

<!--[if lt IE 9]>
<script src="assets/js/html5shiv.min.js"></script>
<script src="assets/js/respond.min.js"></script>
<![endif]-->

</head>
<body>

<!-- Main Wrapper -->
<div class="page-wrappers login-body">
    <div class="login-wrapper">
        <div class="container">
            <div class="loginbox">
                <div class="login-right">
                    <div class="login-right-wrap">
                        <h1>Admin Login Panel</h1>
                        <p class="account-subtitle">Access to our dashboard</p>
                        <p style="color:red;"><?php echo $error; ?></p>
                        <!-- Form -->
                        <form method="post">
                            <div class="form-group">
                                <input class="form-control" name="user" type="text" placeholder="User Name">
                            </div>
                            <div class="form-group">
                                <input class="form-control" type="password" name="pass" placeholder="Password">
                            </div>
                            <div class="form-group">
                                <button class="btn btn-primary btn-block" name="login" type="submit">Login</button>
                            </div>
                        </form>

                </div>
            </div>
        </div>
    </div>
</div>

```

```
<!-- /Main Wrapper -->

<!-- jQuery -->
<script src="assets/js/jquery-3.2.1.min.js"></script>
<!-- Bootstrap Core JS -->
<script src="assets/js/popper.min.js"></script>
<script src="assets/js/bootstrap.min.js"></script>

<!-- Custom JS -->
<script src="assets/js/script.js"></script>

</body>

</html>
```

Chapter:-7

**Conclusion , Suggestions,Future
Enhancement**

7. Conclusion

7.1 CONCLUSION

The Real Estate Management System website provides an efficient and user-friendly platform for managing property listings, client interactions, and real estate transactions. By streamlining the process of buying, selling, and renting properties, the system enhances transparency, reduces manual workload, and improves decision-making for both real estate agents and clients.

Through features such as advanced property search, listing management, user authentication, and contact forms, the website ensures a seamless experience for users. Additionally, the integration of modern technologies contributes to the system's reliability, scalability, and performance.

In conclusion, the Real Estate Management System stands as a valuable tool in the digital transformation of the real estate industry, offering a centralized solution that meets the needs of various stakeholders and contributes to more efficient property management and transactions.

7.2 SUGGESTION OR LIMITATION:

Limited Real-Time Data Integration

The system may not integrate with external databases or APIs in real time, which can result in outdated property listings or market trends.

Lack of Advanced Analytics

While basic search and filtering options are available, the system may lack advanced data analytics tools for market prediction, pricing trends, or investment analysis.

Security and Privacy Concerns

Without robust security measures, user data and transaction details may be vulnerable to breaches, especially if sensitive information like ID proofs or financial records are handled.

Scalability Challenges

The system might not be fully optimized to handle high traffic or large-scale data, making it less suitable for enterprise-level operations without additional development.

Limited Customization Options

Users may have limited ability to customize listings, dashboards, or reports to suit their specific needs or preferences.

No Support for Legal Documentation

Most systems do not support automatic generation or verification of legal documents required during property transactions.

User Interface Limitations

Some users may find the interface non-intuitive or lacking in accessibility features for people with disabilities.

Dependency on Internet Connectivity

As a web-based system, it relies entirely on a stable internet connection, which can be a limitation in areas with poor connectivity.

7.3 Future Enhancement

As the real estate industry continues to evolve with technological advancements, there are several opportunities to enhance the Real Estate Management System for greater functionality, usability, and efficiency. One of the key areas for improvement is the integration of Artificial Intelligence (AI) and Machine Learning (ML). These technologies can be used to offer personalized property recommendations based on user behavior, predict market trends and property prices, and deploy smart virtual assistants or chatbots to handle user queries and scheduling automatically.

Another significant enhancement would be the incorporation of advanced data analytics and reporting tools. These features can help real estate agents, property managers, and administrators gain deep insights into customer behavior, popular property categories, regional growth trends, and performance metrics. Interactive dashboards and customizable reports can aid in better decision-making and strategic planning.

In terms of user experience, integrating virtual tours and Augmented Reality (AR) can transform the way properties are viewed online. This feature would allow users to explore properties in a more immersive and engaging way, reducing the need for physical visits, especially for international or remote clients. Similarly, incorporating Blockchain technology can improve the security and transparency of transactions. With blockchain, all property deals can be recorded on an immutable ledger, and smart contracts can be used to automate and verify legal agreements between buyers and sellers.

Developing a mobile application is another valuable enhancement. A responsive and user-friendly app can significantly improve accessibility, enabling users to browse listings, receive notifications, and communicate with agents on the go. To reach a global audience, the system can also be enhanced with multi-language support and currency converters, allowing international buyers to navigate the platform more comfortably. Localized content such as nearby schools, hospitals, transport links, and neighborhood insights can further enrich the user experience.

Integration with Customer Relationship Management (CRM) systems would streamline the management of client interactions and follow-ups, enabling real estate professionals to build stronger relationships and close deals more efficiently. Another useful addition would be automated legal document generation and e-signature capabilities, which would help streamline the paperwork involved in buying or renting a property.

Finally, integrating secure online payment gateways and tools like an EMI (Equated Monthly Installment) calculator would allow users to make partial payments or deposits directly through the platform and estimate their monthly mortgage commitments. Transitioning the system to a scalable cloud-based infrastructure would also ensure better performance, reliability, and data security, especially during periods of high traffic.

Chapter:-8

References

8. Reference

- o **FOR XXAMP INSTALLATION**

www.support.mircosoft.com

- o **FOR VS Studio Code**

www.msdn.microsoft.com/net/quickstart/aspplus/default.com

www.msdn.microsoft.com/net/quickstart/aspplus/default.com