

REAL ESTATE MANAGEMENT SYSTEM

4th Semester Project Report

SUBMITTED TO



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IN PARTIAL FULFILMENT OF THE REQUIREMENTS FOR THE

DEGREE OF BTECH IN COMPUTER SCIENCE.

SUBMITTED BY :

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ABSTRACT :

Aim :

Real Estate Management System is a web application that aims at computerization of the current procedure of Selling and buying properties. Currently, the process involves a person who can view a wide range of independent houses and flats also can contact the builder.

Where can we use this code?

Our code is useful for the people who are willing to purchase or sell the property. For the people who are in real estate, our website is very much useful for them because it helps to show the respective properties for the people. The property owners can put the entire data in here so that people who want to buy the property can see the virtual property online without seeing it in reality. We can use this code in several aspects such as in searching or buying or in selling the properties.

What information are we going to collect?

For Property, we are going to collect City, Area, BHK, Address, Description and Image. For the owner, we are going to collect the Name, Contact Number and Email id.

Algorithm :

- As the page opens there is the pic of the dream house, and three buttons BUY, SELL and FEEDBACK to navigate the customer to the respective page.
- SELL page is basically a form that asks for details of the property and the owner, the data given will be stored in a database
- BUY page opens with a glimpse of recent top picks where customer can see the houses, flats that were recently sold, followed by a form asking customer is asked to enter the data such as budget to purchase property and place at which they wish to own asset
- Submitting the above details opens up a table showing the data of properties available in our database matching customer's requirements
- Every property row has a button "Enquire Now" that enables the customer to get full details of a particular property and the seller details such as name, contact number

- Users can also submit the reviews of experience with the website using the FEEDBACK form

Conclusion :

This project has been built to deal with the Real Estate Management System in an easy and efficient manner. This is designed for sellers and buyers to have a glimpse of available properties and know the details of the owner to proceed further. This makes the inefficient paperwork easier. It eliminates the requirement of middlemen in the purchase or sale of an asset

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1. INTRODUCTION :

1.1 OBJECTIVE

- To deal with the Real Estate System in an easy and efficient manner.
- This website is a connection between two people virtually, with all the information about the property without visiting the place.

1.2 SCOPE OF THE PROJECT

- The Real Estate Management System is designed for Properties Viewing (like flats, independent houses).
- Sellers will be able to upload data regarding their property on sale

1.3 OVERVIEW OF THE PROJECT

Real Estate Management System is a web application that aims at computerization of the procedure of selling properties. We showcase the assets on sale that meets buyers requirements here. The application provides the user to select any particular location and get information appropriately data about location and space.

2. OVERALL DESCRIPTION :

The Web Application has Three main parts :

- 1) Buy
- 2) Sell
- 3) FeedBack

The user can select among the Buy, Sell and Feedback. In which the User can see and add various properties.

3. USER REQUIREMENTS DEFINITION

The user requirement for this system is to make the system fast, flexible, less prone to error, reduce expenses and save time.

1. Less human error
2. Strength and strain of manual labour can be reduced
3. High security
4. Data redundancy can be avoided to some extent
5. Data consistency
6. Easy to handle
7. Easy record keeping
8. Backup data can be easily generated

4. SYSTEM REQUIREMENT SPECIFICATION

4.1 FUNCTIONAL SYSTEM REQUIREMENT

This section gives a functional requirement that is applicable to the REMS. These are sub modules in this phase.

- Home page Module
- Buy Module
- Sell Module
- Feedback Module

Homepage module:

The Home page contains three options BUY, SELL, FEEDBACK where the user can see the opt the required option.

- BUY-To purchase assets
- SELL-To promote their property on our site
- FEEDBACK-Enables the page visitors to give their feedback

Buyer Module:

BUY option, where he can select the range of his budget to buy the property. Not only budget but also he can also choose the city where he wants to buy the property, then a list of properties and respective property details will be displayed on the screen.

- Budget range
- City details
- Properties

Selling module:

The selling module gives a form in which the owners or agents of the property need to be sold and has to fill the data regarding assets such as owners details, property area(sq. ft), BHK, Property address etc.

- Property details
- Contact information of the owner
- Land /house address
- Price of the property

Feedback module:

The buyer/seller can give their feedback at the end of the process so that we can improve our services/platform to a better level and meet the requirements of users. The customers can view various options to select and a form to write down the comments.

- Name
- Email Address
- Are you satisfied with our information?
- Rating
- Suggestions

4.2 NON-FUNCTIONAL SYSTEM REQUIREMENTS

4.2.1 Performance Requirements

Some Performance requirements identified are listed below :

1. The database shall be able to accommodate thousands of records to store.
2. The software shall support the use of multiple users at a time.

4.2.2 Safety Requirements

The database may get crashed at any certain time due to virus or operating system failure. Therefore, it is required to take the database backup.

4.2.3 Security requirements

Some of the factors that are identified to protect the software from accidental or malicious access, use, modification, destruction or disclosure are described below. Keep specific log aur history data sets.

1. Assign certain functions to the different module

2. Restrict communications between some areas of the program
3. Check data integrity for critical variable
4. Later version of the software will incorporate encryption
5. Techniques in the user or licence authentication process

5. HARDWARE REQUIREMENTS

- Processor: Pentium or greater
- RAM: 512 MB
- Hard Disk: Depends on how much data is stored in Database
- Keyboard
- Monitor

6. SOFTWARE REQUIREMENTS

- OS: windows
- Database: PHPmyadmin, Xampp
- Netbeans
- Mozilla/chrome

7. CODE

```
-- phpMyAdmin SQL Dump  
-- version 5.1.0  
-- https://www.phpmyadmin.net/  
  
--  
-- Host: 127.0.0.1  
-- Generation Time: Apr 28, 2021 at 03:04 PM  
-- Server version: 10.4.18-MariaDB  
-- PHP Version: 8.0.3
```

```
SET SQL_MODE = "NO_AUTO_VALUE_ON_ZERO";  
START TRANSACTION;  
SET time_zone = "+00:00";
```

```
/*!40101 SET @OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT */;
/*!40101 SET @OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULTS */;
/*!40101 SET @OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTION */;
/*!40101 SET NAMES utf8mb4 */;

-- 
-- Database: `feedback_wtdbms`

-----

-- 
-- Table structure for table `assests`


-- 
create database property;
use property;

CREATE TABLE `assests` (
    `property_id` int(11) NOT NULL,
    `city` varchar(50) NOT NULL,
    `area` int(11) NOT NULL,
    `price` int(11) NOT NULL,
    `bhk` smallint(6) NOT NULL,
    `address` varchar(300) NOT NULL,
    `description` varchar(300) NOT NULL,
    `name` varchar(50) NOT NULL,
    `contact_number` varchar(15) NOT NULL,
    `mail` varchar(200) NOT NULL,
    `image_name` varchar(255) NOT NULL
```

```
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
```

```
--
```

```
-- Table structure for table `feedback`
```

```
--
```

```
CREATE TABLE `feedback` (
```

```
    `id` int(11) NOT NULL,
```

```
    `name` varchar(50) NOT NULL,
```

```
    `contact_number` bigint(11) NOT NULL,
```

```
    `rating` tinyint(4) NOT NULL,
```

```
    `suggestions` varchar(200) NOT NULL
```

```
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
```

```
--
```

```
-- Indexes for dumped tables
```

```
--
```

```
--
```

```
-- Indexes for table `assests`
```

```
--
```

```
ALTER TABLE `assests`
```

```
    ADD PRIMARY KEY (`property_id`);
```

```
--
```

```
-- Indexes for table `feedback`
```

```
--
```

```
ALTER TABLE `feedback`
```

```
ADD PRIMARY KEY (`id`);

-- 
-- AUTO_INCREMENT for dumped tables

-- 

-- 
-- AUTO_INCREMENT for table `assests`


-- 
ALTER TABLE `assests`
MODIFY `property_id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=11;

-- 
-- AUTO_INCREMENT for table `feedback`

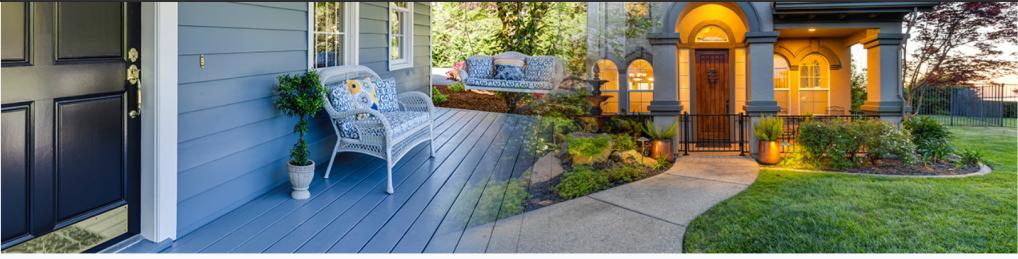

-- 
ALTER TABLE `feedback`
MODIFY `id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=6;

COMMIT;

/*!40101 SET CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_CLIENT */;
/*!40101 SET CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET_RESULTS */;
/*!40101 SET COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION */;
```

8. SAMPLE INPUT AND OUTPUT

Sell



Fill the following property details:

Short Note :
Luxurious Villa

City :
Hyderabad

BHK :
3

Area(sq.ft) :
2345

Address/Location :
Type here to search

22:46 28-04-2021



BHK :
3

Area(sq.ft) :
2345

Address/Location :
kachigudem

Price(in INR) :
123456

Seller Name :
Kumar

Contact Number :
913398670

Email ID :
kumar@gmail.com

Image
Choose File luxury villa.jpg

Submit

22:46 28-04-2021

BUY-Real Estate | localhost / 127.0.0.1 / feedback.php | Luxuriouyus - Google Search | BUY-Real Estate | localhost/final/buy.html

Partap Homes • 2BHK,3BHK • Delhi,India 35L - 60L	Agent Hero Homes • 4BHK • NewTown,Kolkata,India 3.6 Cr	Srinivasa Nilayam • 3BHK • Bhimavaram,India 2.5Cr	Grand Egypt Villa • 4BHK • Rajahmundry,India 5Cr
---	---	--	---

Available Assets

Fill the following details:

Budget :
142354

City :
Hyderabad

Submit

Windows Taskbar: Type here to search, File Explorer, Mail, Photos, OneDrive, Firefox, Edge, Chrome, File Manager, Control Panel, Task View, System, Power, Network, ENG, 22:47, 28-04-2021

BUY-Real Estate | localhost / 127.0.0.1 / feedback.php | Luxuriouyus - Google Search | BUY-Real Estate | localhost/final/buy.php

Find Your Home

PROPERTY ID	IMAGE	DESCRIPTION	CITY	ADDRESS	AREA	BHK	PRICE	OPERATION
13		Luxurious Villa	Hyderabad	kachigudem	2345	3	123456	ENQUIRE NOW

Windows Taskbar: Type here to search, File Explorer, Mail, Photos, OneDrive, Firefox, Edge, Chrome, File Manager, Control Panel, Task View, System, Power, Network, ENG, 22:53, 28-04-2021

The screenshot shows a web browser window with multiple tabs open. The active tab displays a property listing for a Luxurious Villa in Hyderabad, India. The property is a modern, three-story villa with large glass windows and doors, illuminated from within. It features a two-car garage and is surrounded by lush greenery. Below the image, a table provides detailed information about the property:

Property ID	13
Description	Luxurious Villa
City	Hyderabad
Address	kachigudem
Area(sq. ft)	2345

The browser interface includes a search bar at the bottom left, a taskbar with various application icons, and a system tray showing the date and time (28-04-2021).

The screenshot shows a web browser window with multiple tabs open. The active tab displays a property listing for a Luxurious Villa in Hyderabad, India. The property is a modern, three-story villa with large glass windows and doors, illuminated from within. It features a two-car garage and is surrounded by lush greenery. Below the image, a table provides detailed information about the property:

Property ID	13
Description	Luxurious Villa
City	Hyderabad
Address	kachigudem
Area(sq. ft)	2345
BHK	3
Price	123456
Seller Name	Kumar
Contact Number	913398670
Mail ID	kumar@gmail.com

The browser interface includes a search bar at the bottom left, a taskbar with various application icons, and a system tray showing the date and time (28-04-2021).

Screenshot of the phpMyAdmin interface showing the 'assets' table in the 'feedback_wtdbms' database. The table contains 3 rows of data:

	property_id	city	area	price	bhk	address	description	name	contact_number	mail	image_name
<input type="checkbox"/>	11	cncgn	2345	23246	3	xf	xtgd	cbvb	123456789	xbgn@gmail.com	uploadImage/407 copy.jpg
<input type="checkbox"/>	12	Vijayawada	2500	25000000	3	Poranki	Luxurious Apartments	Jayanth	9133990105	jayanth@gmail.com	uploadImage/luxury villa.jpg
<input type="checkbox"/>	13	Hyderabad	2345	123456	3	kachigudem	Luxurious Villa	Kumar	913398670	kumar@gmail.com	uploadImage/luxury villa.jpg

Feedback Form

Screenshot of a feedback form page. At the top, there is a large image of a modern house with a blue deck and a well-maintained lawn.

Fill the form

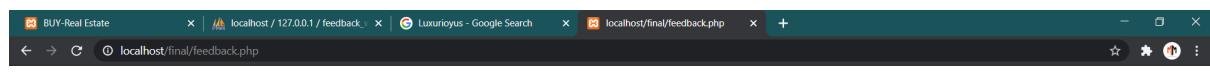
Your Name :

Your Contact Number :

Rating(out of 5) :

Suggestions :

Submit



A screenshot of the phpMyAdmin interface. The left sidebar shows a tree view of databases and tables, with the 'feedback' table selected under the 'feedback_wtdbms' database. The main area displays the contents of the 'feedback' table:

	id	name	contact_number	rating	suggestions
<input type="checkbox"/>	6	jayanth	0	5	jhk
<input type="checkbox"/>	7	jayanth	0	5	jhk
<input type="checkbox"/>	8		0	0	
<input type="checkbox"/>	9		0	0	
<input type="checkbox"/>	10		0	0	
<input type="checkbox"/>	11		0	0	
<input type="checkbox"/>	12		0	0	
<input type="checkbox"/>	13	sdfsdf	0	4	sdf
<input type="checkbox"/>	14		0	0	
<input type="checkbox"/>	15		0	0	
<input type="checkbox"/>	16		0	0	
<input type="checkbox"/>	17		0	0	
<input type="checkbox"/>	18	P Kumar	8019933283	5	Very Good Keep it Up

The bottom of the screen shows another Windows taskbar with the same icons and system information as the one above.

9. CONCLUSION AND RECOMMENDATIONS

Real Estate Management System (REMS) is an online real estate software application that manages the overall operational activities and processes, starting from the management of the property, to the management of real estate agencies, agents, clients and financial transactions. It provides comprehensive reports for managing the Real Estate agency performance and efficiency and enables the management for better decision-making.

All the real estate agents and the people who are interested in purchasing the land can use this application. This application can help in ensuring in providing a good property that a person needs according to all the conditions specified. Transparency among the customers and real estate agencies is easily created through this application.

10. FUTURE SCOPE

The Commercial Real Estate Investment Market is a complex system of firms based in different sectors of the industry. The future of companies in this sector is most directly affected and tied to changes in global economic conditions. Depending on what the firms focus on, from Land and Development, Retail Shopping Centers, Industry/Office Space, or Apartments and Multi-family homes, there are many factors affecting their strategy, overall performance, and future.