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Introduction :-

Property Management Project is a web-based application. It is a dynamic website. Having a house is every one's need and finding a house in a new city is very difficult. This website provides you with information about your desired property at any city you want. You don't have to go outside and search for the property that you want. You just need to sit on your system and make us do our job; we will help you to find your best suitable property and you will get each and every information about the property like- price, area size, location, amenities, furnishings, owner of property and some pictures of the property as well. And if you are the owner and a broker who want to sell or rent his/her property then you can post your property on our website in no matter of time your property is visible to all who are looking for the similar one and contact you. The proposed project maintains a centralized repository of all property details. We are working hard to further add some functionality in this website for more greater experience. And we are also working on our mobile application for future.

1. Requirement Analysis

Scope:

Property management project is a web-based application. The main aim of this project is to help users to find their desired property for rent or sell and see full details of the property by sitting at home and can make enquiry about the property by directly contacting the owner or broker of the property. The broker or owner can post their respected property easily and can come across the wide range of property buyers.

Objective :

The Property Management Project maintains a centralized repository of all related information. The Objective of this project is to develop a project that automates the process and activities of property details. The purpose is to design a project using which can perform all operations related to properties.

Limitations :

This project only gives you the information about the property and the owner and broker of the respected property, you can buy or rent any property on our website, you can only get the desired information.

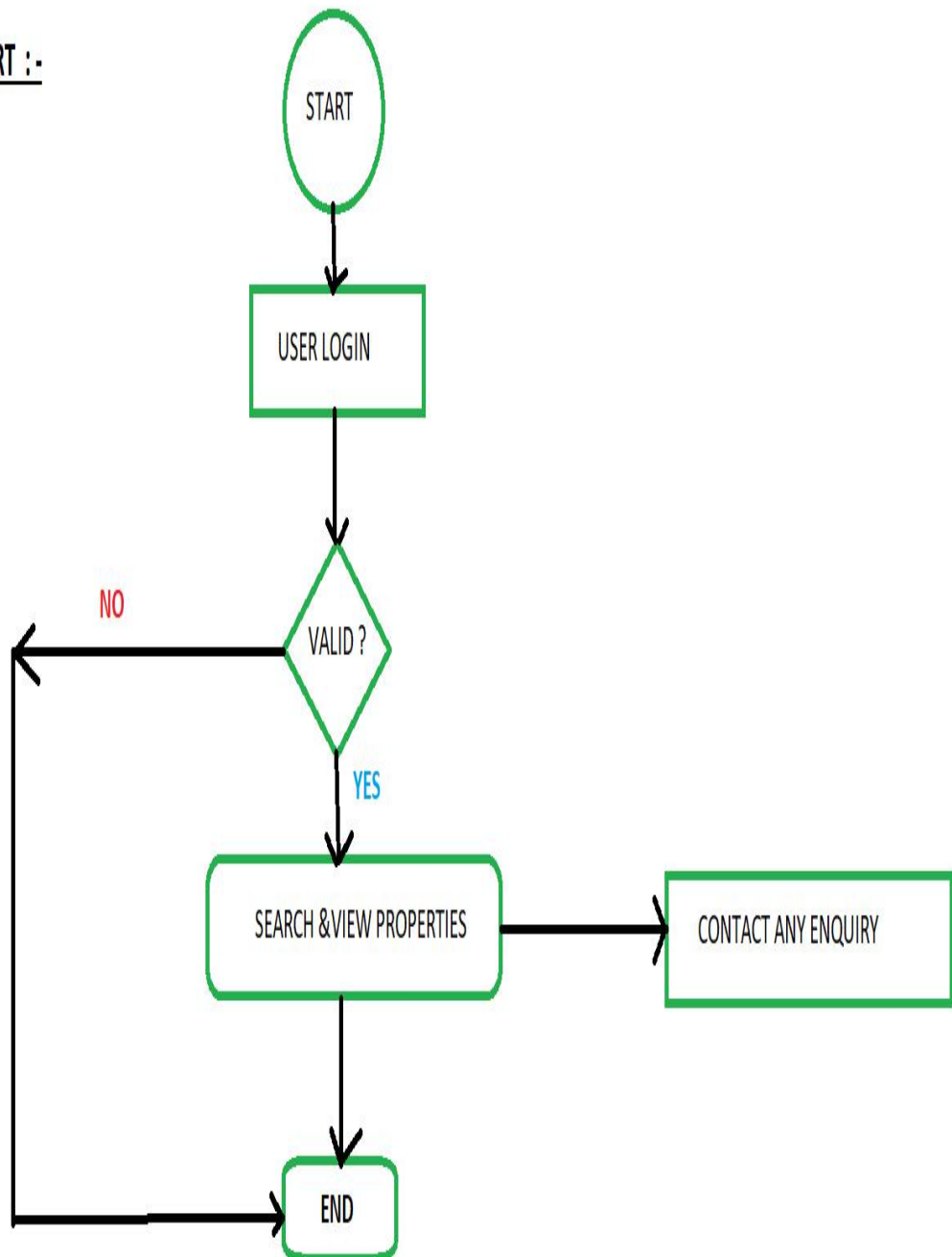
2. Analysis Phase :-

Requirements :-

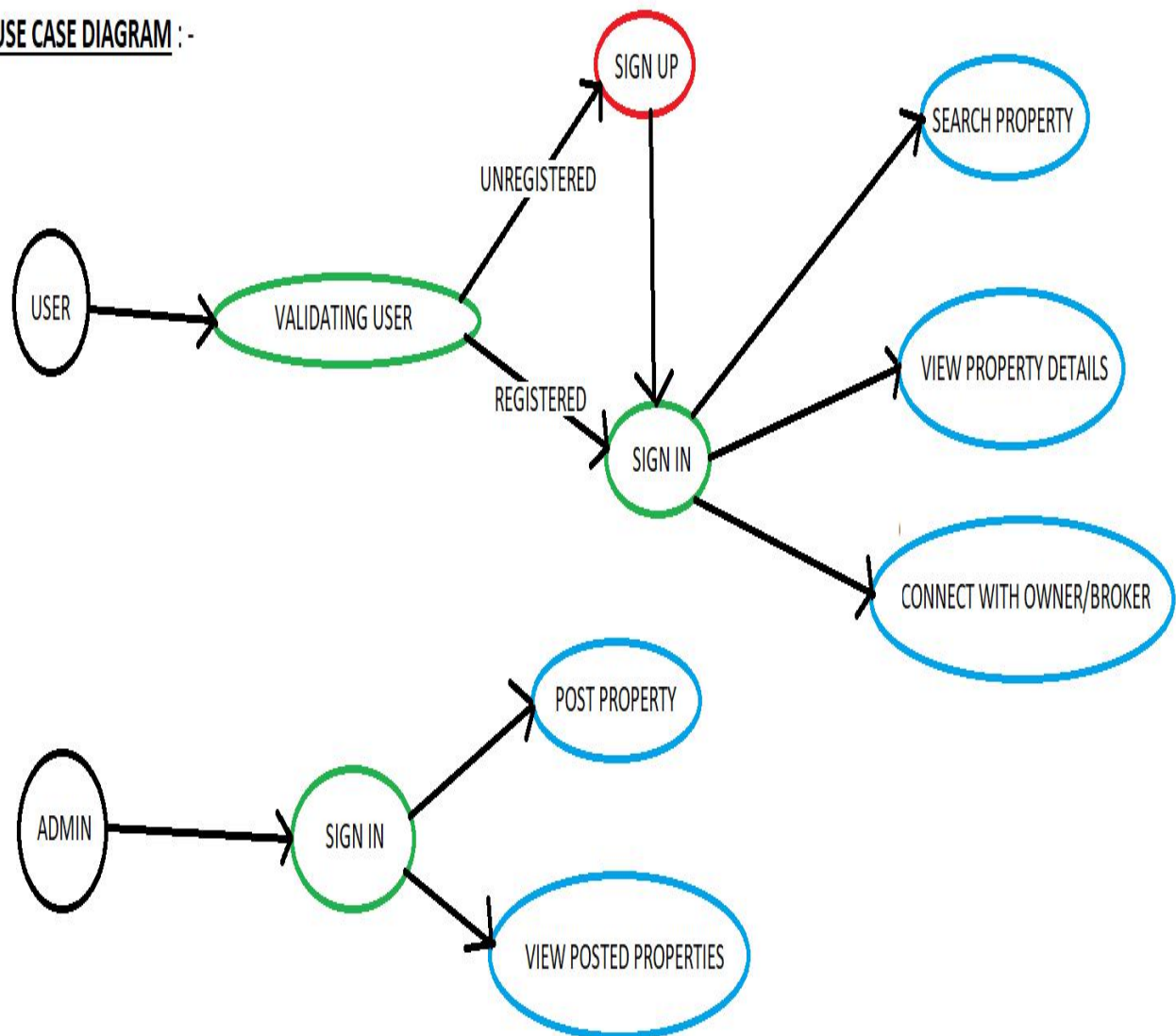
- **Operating System** : Windows
- **Framework** : React js
- **Front End** : HTML 5, CSS 3, BOOTSTRAP 4, JAVASCRIPT, JQUERY
- **Back End** : Node js, Express js
- **Database** : Mongo DB
- **Sharing** : Git, Github
- **Editor** : Visual Studio Code
- **Web Browser** : Google Chrome

3. Design Phase :-

FLOW CHART :-



USE CASE DIAGRAM :-



4. Development Phase :-

App.js :-

```
JS App.js X
myhome > frontend > src > JS App.js > App > useEffect() callback
1  import './App.css';
2  import Header from './Components/Header';
3  import {BrowserRouter as Router} from 'react-router-dom';
4  import {useEffect} from 'react';
5  import {useDispatch} from 'react-redux';
6  import axios from 'axios';
7
8  function App() {
9
10     const dispatch = useDispatch();
11
12     useEffect(() => {
13         if(localStorage.getItem("LOGIN_ID") == 'no'){
14             }else{
15                 var id = localStorage.getItem("LOGIN_ID");
16                 dispatch({type: "LOGIN_TRUE"});
17                 dispatch({type: "LOGGEDIN",payload: id });
18                 axios.get('http://localhost:3000/getUser?id='+id).then((res)=>{
19                     if(res.data.data[0].iam == "buyer"){
20                         dispatch({type: "BUYER"});
21                     }
22                 });
23             }
24     }, [])
25
26     return (
27         <Router>
28             <div>
29                 <Header/>
30             </div>
31         </Router>
32     );
33 }
34
35 export default App;
36
```

Backend Code :-

```
JS index.js X
myhome > frontend > public > Details > backend > JS index.js > app.post('/postProperty') callback > upload() callback
1  var express = require('express');    File is a CommonJS module; it may be converted to an ES6 module.
2  var cors = require('cors');
3  var bodyParser = require('body-parser');
4  var MongoClient = require('mongodb').MongoClient;
5  var ObjectId = require('mongodb').ObjectId;
6  var path = require('path');
7  var upload = require('./multerConfig');
8  var fs = require('fs');
9
10 var app = express();
11 app.use(cors());
12
13 app.use(express.static(path.join(__dirname, 'userUploads')));
14
15 var client = new MongoClient('mongodb+srv://myhome:myhome@cluster0.zj3m5.mongodb.net/myhome?retryWrites=true&w=majority',{useNewUrlParser:
16 var connection;
17 client.connect((err, db)=>{
18     if(!err){
19         connection = db;
20         console.log("Database Connected Successfully");
21     }
22     else{
23         console.log(err);
24     }
25 });
26
27 app.post('/postProperty', bodyParser.json(),(req,res)=>{    'bodyParser' is deprecated.
28     upload(req,res,(err)=>{
29         if(err){
30             console.log("Error Occured during upload ");
31             console.log(err);
32             res.send({status:"failed", data:err});
33         }
34         else{
35             var propertyCollection = connection.db('myhome').collection('property');
36             var images = req.files.property.map(p=>p.filename);
37             propertyCollection.insert({PropertyDetails:req.body,PropertyImages:images},(err,result)=>{    'result' is declared but its va
38                 if(!err){
```



```
JS index.js x
myhome > frontend > public > Details > backend > JS index.js > app.post('/postProperty') callback > upload() callback

48
49 app.get('/listProperty',(req,res)=>{ 'req' is declared but its value is never read.
50   var propertyCollection = connection.db('myhome').collection('property');
51   propertyCollection.find({}).toArray((err,docs)=>{
52     if(!err){
53       res.send({status:"ok",data:docs});
54     }
55     else{
56       res.send({status:"failed",data:err});
57     }
58   });
59 });
60
61 app.get('/detailProperty',(req,res)=>{
62   var propertyCollection = connection.db('myhome').collection('property');
63   propertyCollection.find({_id:ObjectID(req.query.id)}).toArray((err,docs)=>{
64     if(!err){
65       res.send({status:"ok",data:docs});
66     }
67     else{
68       res.send({status:"failed",data:err});
69     }
70   });
71 });
72
73 app.get('/searchProperty',(req,res)=>{ 'req' is declared but its value is never read.
74   var propertyCollection = connection.db('myhome').collection('property');
75   propertyCollection.find({city:"",budget:""}).toArray((err,docs)=>{
76     if(!err){
77       res.send({status:"ok",data:docs});
78     }
79     else{
80       res.send({status:"failed",data:err});
81     }
82   });
83 });
84
```

```
JS index.js x
myhome > frontend > public > Details > backend > JS index.js > app.post('/postProperty') callback > upload() callback

119 });
120
121 app.get('/loginUser',(req,res)=>{
122   var userCollection = connection.db('myhome').collection('user');
123   userCollection.find({email: req.query.email , password: req.query.password}).toArray((err,docs)=>{
124     if(!err){
125       res.send({status:"ok",data:docs});
126     }
127     else{
128       res.send({status:"failed",data:err});
129     }
130   });
131 });
132
133 app.post('/uploadDP', bodyParser.json(),(req,res)=>{ 'bodyParser' is deprecated.
134   upload(req,res,(err)=>{
135     if(err){
136       console.log("Error Occured during upload ");
137       console.log(err);
138       res.send({status:"failed", data:err});
139     }
140     else{
141       var userCollection = connection.db('myhome').collection('user');
142       var image = req.files.profile[0].filename;
143       userCollection.update({_id:ObjectID(req.body.id)},{ $set:{dp:image}},(err,result)=>{ 'result' is declared but its value is
144         if(!err){
145           res.send({status:"ok",data:"File Uploaded Succesfully"});
146         }
147         else{
148           res.send({status:"failed",data:err});
149         }
150       });
151     }
152   });
153 });
154
155 app.post('/removedP',bodyParser.json(),(req,res)=>{ 'bodyParser' is deprecated.
156   var userCollection = connection.db('myhome').collection('user');
```

```

JS index.js X
myhome > frontend > public > Details > backend > JS index.js > app.post('/postProperty') callback > upload() callback
159     fs.unlinkSync('userUploads/'+req.body.dp);
160     res.send({status:"ok",data:"DP Removed Successfully"});
161   }
162   else{
163     res.send({status:"failed",data:err});
164   }
165   });
166 });
167
168 app.post('/updateName' , bodyParser.json(),(req,res)=>{ 'bodyParser' is deprecated.
169   var userCollection = connection.db('myhome').collection('user');
170   userCollection.update({_id:ObjectID(req.body.id)},{ $set:{name:(req.body.name)}}),(err,result)->{ 'result' is declared but its value is never read.
171     if(!err){
172       res.send({status:"ok",data:"Changes Made Successfully"});
173     }
174     else{
175       res.send({status:"failed",data:err});
176     }
177   });
178 });
179
180 app.post('/updateNumber' , bodyParser.json(),(req,res)=>{ 'bodyParser' is deprecated.
181   var userCollection = connection.db('myhome').collection('user');
182   userCollection.update({_id:ObjectID(req.body.id)},{ $set:{number:(req.body.number)}}),(err,result)->{ 'result' is declared but its value is never read.
183     if(!err){
184       res.send({status:"ok",data:"Changes Made Successfully"});
185     }
186     else{
187       res.send({status:"failed",data:err});
188     }
189   });
190 });
191
192 app.listen(3000,()=>{
193   console.log("Server is listing at port 3000");
194 });

```

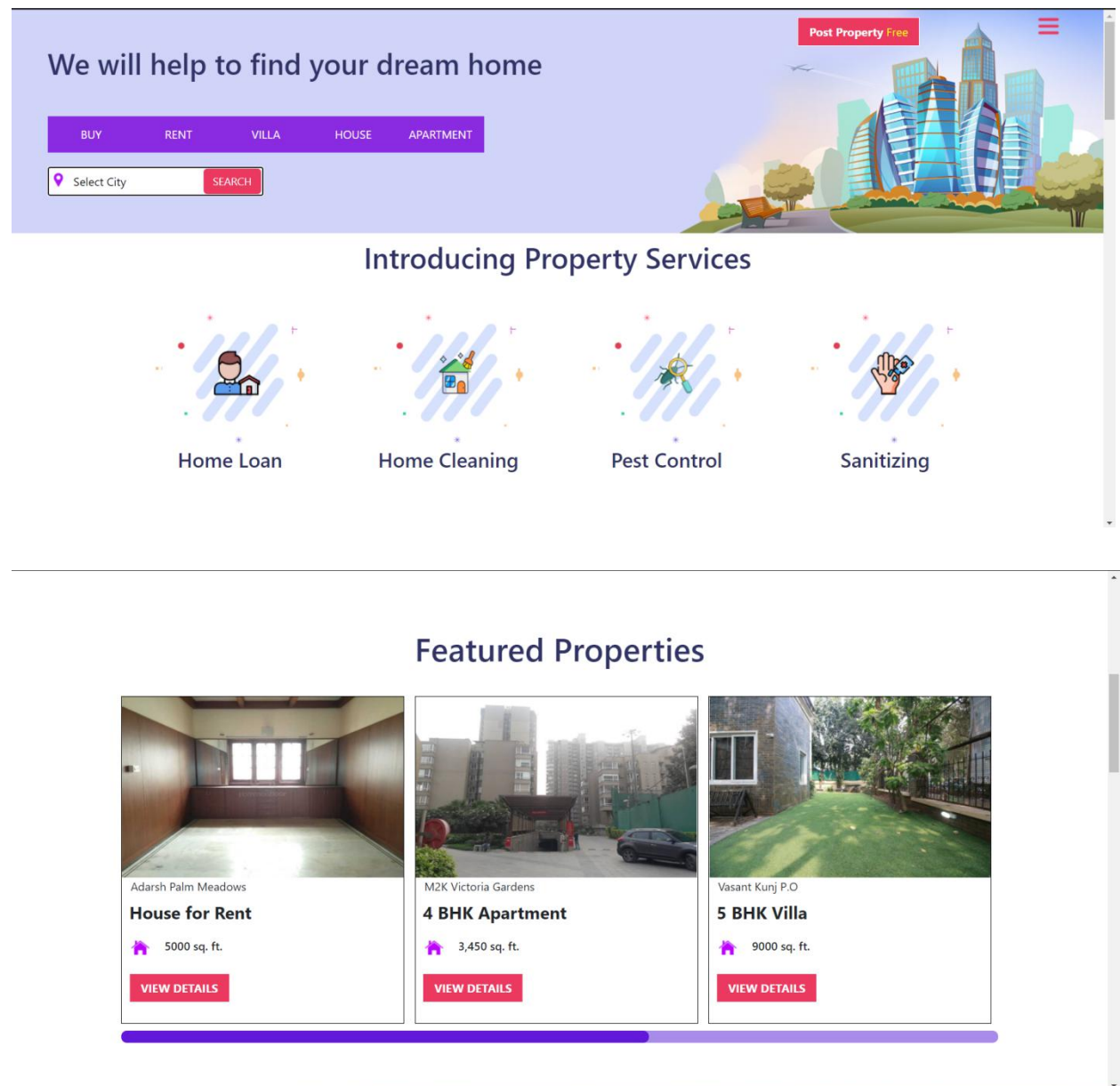
```

JS multerConfig.js X
myhome > frontend > public > Details > backend > JS multerConfig.js > multerOptions > fileFilter
1  var path = require('path');   File is a CommonJS module; it may be converted to an ES6 module.
2  var multer = require('multer');
3
4  var storage = multer.diskStorage({
5    {
6      destination: function(req,file,cd){ 'req' is declared but its value is never read.
7        cd(null,'userUploads');
8      },
9      filename: function(req,file,cd){ 'req' is declared but its value is never read.
10         var ext = path.extname(file.originalname);
11         cd(null,file.fieldname+'-'+Date.now()+'.'+ext);
12       }
13     }
14   )
15
16   var multerOptions = {
17     storage: storage,
18     filefilter: function(req,file,callback){ 'req' is declared but its value is never read.
19       var ext = path.extname(file.originalname);
20       var fieldName = file.fieldname;
21
22       if(fieldName == "property"){
23         if(ext != '.png' && ext != '.jpg' && ext != '.jpeg') {
24           return callback(new Error('Only images are allowed [ png , jpg & jpeg ]'));
25         }
26         callback(null, true);
27       }
28       if(fieldName=="profile"){
29         if(ext != '.png' && ext != '.jpg' && ext != '.jpeg') {
30           return callback(new Error('Only images are allowed for profile'));
31         }
32         callback(null, true);
33       }
34     }
35   }
36
37   var upload = multer(multerOptions).fields([ {name:"profile", maxCount:1},{name:'property' , maxCount:7}]);

```

5. Testing Phase :-

Home Page :-



What Makes Us The Preferred Choice



Maximum Choices



Buyers Trust Us



Seller Prefer Us



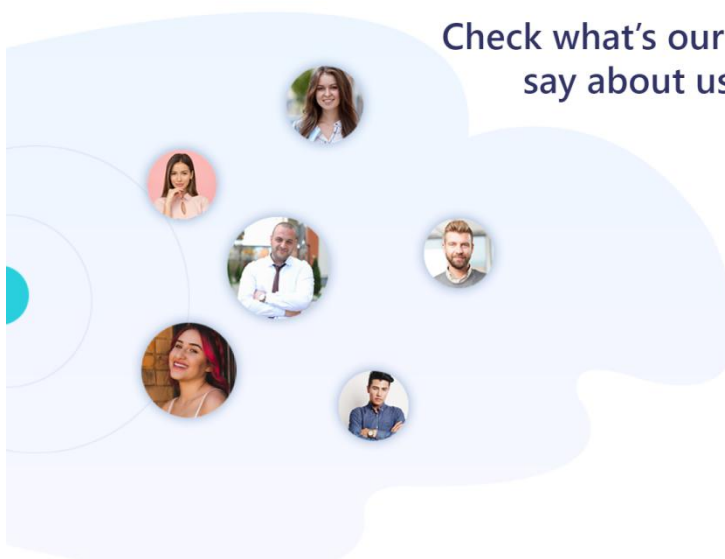
Expert Guidance

Want to Sell Property?

Let us create a tailored strategic marketing plan and keep track of



Check what's our client say about us!



Qorem ipsum dolor sit amet, consectetur adipiscing elit. Duis mollis et sem sed sollicitudin. Donec non odio neque. Aliquam henit sollicitudin purus, quis rutrum mi accumsan nec. Quisque bibendum orci ac nibh facilisis




William
Hunter
Chicago


Login And Register Page :-

Login

LOGIN

or login using

 Facebook

 Google+


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


Register

I AM:

REGISTER

or register using

 Facebook

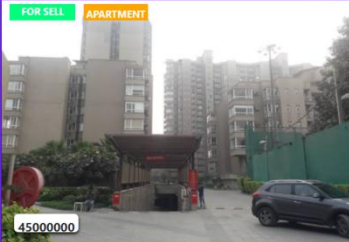
 Google+

[Already have an account?](#) [Login Now](#)

Searched Property :-

FOR SELL

APARTMENT



45000000

M2K Victoria Gardens , Model Town , Delhi , Delhi -- 110009

Sq. Ft.

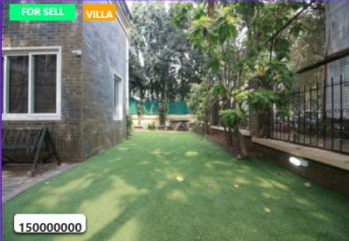
4

3

VIEW DETAIL

FOR SELL

VILLA



150000000

Vasant Kunj P.O , Vasant Kunj , Delhi , Delhi -- 110070


Sq. Ft.

5

4

VIEW DETAIL

Property Details :-



4 BHK Apartment - 3,450 sq ft

M2K Victoria Gardens , Model Town , Delhi , Delhi -- 110009

4 BHK Apartment - 3,450 sq ft

M2K Victoria Gardens , Model Town , Delhi , Delhi -- 110009

45000000

Status
Ready To Move

Bedroom
4

Bathroom
3



Rohit Mittal(broker)

Connect with the broker right now

Email : rohitmanmittal264@gmail.com













Phone Number : 7004885175

Description

It has an area of 3450 sqft . The property is available at a price of Rs. 4.50 cr . It is an unfurnished property. It has shared book library. Other amenities include car wash and laundromat facilities, staff quarter, spa/sauna/steam, tennis court, swimming pool, board games zone, yoga and meditation area, music and dance corner and concierge services. This residential property is ready-to-move-in. It is made in way to provide a comfortable living. It is situated in the proximity of all the important facilities.

Amenities

Amenities

 Intercom Available	 Power Backup Available	 Lift Available	 Swimming Pool Available	 Parking Available	 Gym Available
 Sports Facility Available	 Jogging Track Available	 24X7 Security Available	 Garden Available	 Laundry Not Available	 Basement Not Available

Furnishings

 Gas Connection Not Available	 Microwave Not Available	 Sofa Not Available	 AC Not Available	 Wardrobe Not Available	 TV Not Available
 Refrigerator Not Available	 Wifi Not Available	 Dining Table Not Available	 Bed Not Available	 Barbeque Not Available	 Water Heater Not Available

Post Property Page :-

General Property Info

Property Title

Type Catagory Price

Location

Description

Details

Area Size Sq.Ft (Only Digits)

Carpet Area (Only Digits)

Year Build Bedrooms Bathrooms

Property Anemities

☐ Gym

☐ Basement

☐ Lift

☐ Parking

☐ Swimming-Pool

☐ Intercom

☐ Laundry

☐ Garden

☐ Sports Facility

☐ Security

☐ Jogging Track

☐ Power Backup

Property Furnishings

☐ Air Conditioning

☐ Gas Connection

☐ Refrigerator

☐ TV

☐ Microwave

☐ Sofa

☐ Wardrobe

☐ Bed

☐ Dinning Table

☐ Barbeque

☐ WiFi

☐ Water Heater

Property Images


You can Choose Only 7 Images At Max

No file chosen


Choose Files

SUBMIT PROPERTY

Dashboard :-







You Have broker Profile
(You Can Upload Property With broker Profile)




Choose File No file chosen

Remove

Rohit Mittal  


7004885175  

Your Uploaded Properties




Adarsh Palm Meadows

House for Rent


 5000 sq. ft.

[VIEW DETAILS](#)




M2K Victoria Gardens

4 BHK Apartment


 3,450 sq. ft.

[VIEW DETAILS](#)



Vasant Kurg P-02

5 BHK Villa

 9000 sq. ft.

[VIEW DETAILS](#)

Finishing The Project :-

Facing Problems During Development :

- **Requirement Gathering Phase** : It was very important step. If the requirements were not good then the project may failed. I had faced lot of problems in gathering data.
- **During Design Phase** : At that time, I was confused about flow of data, but after some research I finally come to final design.
- **Development Phase** : It was a crucial part of the project. At that time I was confused about which technology to use but I managed to do that.
- **Testing Phase** : It was the necessary part of the project. This part helped to test the whole project,at that time I had come across some bugs but I had managed to fix them.

Conclusion :-

The Property Management Project proves to be a strong system that has followed all the industry standards. Database is created with good design,the system can comply with any demand of future.