Real-Estate-Application

Submitted To:

Faculty Of Technology,

Department of Computer Engineering

Dharmsinh Desai University

Prepared By:

Vasani VatsalKumar Bharatbhai

Virani Mit Chetanbhai

Project Report

Name: Vatsal Vasani [CE155] [20CEUOS010]

Mit Virani [CE156] [20CEUOS059]

Subject: Real-Estate Application

Semester: 5th

Project title: Real-Home

Mentor: Prof. Siddharth Shah & Prof. Prashant Jadav &
Prof. Shital Pathar

Faculty of Technology,
Department of Computer Engineering,
Dharmsinh Desai University.

Dharmsinh Desai University, Nadiad

Faculty of Technology

Department of Computer Engineering

CERTIFICATE

This is to certify that the practical / term work carried out in the subject of Advanced Technology and recorded in this journal is the Bonafied work of

Vatsal Vasani [CE155] [20CEUOS010]

Mit Virani [CE156] [20CEUOS059]

of B.Tech semester V in the branch of Computer Engineering during the academic year 2022-2023.

Prof. Shital Pathar   Dr. C. K. Bhensdadia

Dept. Computer Engineering   HOD Of Computer Engg,
Faculty Of Technology   Faculty Of Technology

D.D.university Nadiad.   D.D.University Nadiad.

Table of Contents

1. Abstract:

In this fast-moving world mobile phones and computers are becoming very important to humans. In this case, they

would like to sell or buy some property without much more effort so, they would like to customise this things. So to customise it one can use the features provided by the online React-Estate Application. So we have made such application to provide a customised experience to each users which want to buy and sell or rent their property online easily.

2. Introduction:

Our application **"Real-Home"** helps users to customise the publishing housing estates for sell or rent online,and for consumers seeking to buy or rent properties very easily. It would be difficult to search the property based on the category without online platform. Here, We have made Real-Estate application such that here there are two main users are admin and consumers. Here Admin and Consumer not only add property for selling or renting purpous but also they can delete property. So, it is very good platform for sell,b

❖**Technology and tools used**

→ **Technology**
■ MongoDB
■ Express
■ React
■ Node

→ **Tools**
■ Visual Studio Code

3. Objective:

The main objective of the Project on Real Estate Management System is to manage the details of Property, Property Type, Property Details, Flats, Location. It manages all the information about Property, Facility, Location, Property. The purpose of the project is to build an application program to reduce the manual work for managing the Property, Property Type, Facility, Property Details. It tracks all the details about the Property Details, Flats, Location.

❖**Some of the features included**

→ Structured UI
→ admin can view whole list of consumers
→ admin can delete consumer
→ admin and consumer both add property
→ admin and consumer(Only That Which Is Add By Particular Customer) both delete and update property details.

4. Software Requirement Specification :

Functional requirements:-

The software needs to support Five categories of functionalities as described below:

1). Manage_Registration:

R.1.1 New_User_Registration:

Description: Using This User Can Register His Self In System.

Input : All Necessary Details.

Output : Confirmation Message For User Successfully Registered.

R.1.2 Change_Password:

Description : Using This User Can Change His Password.

Input: New Password And Necessary details For Verification .

Output: Confirmation Message For User Successfully Change The Password.

2). Login:

Description: This Process Allow Authorized Users To Access The System.

Input : Username and Password.

Output : Successfully Logged In / Invalid Username Or Password.

3). Manage_Buy_Property:

R.3.1 Request_For_Buy_Property:

Description: Using This Functionality User Can Buy A Particular Property.

Input : Required Detail For Sending A Mail.

Output : Send Mail TO Owner Of Property.

R.3.2 Request_For_Rent_Property:

Description: Using This Functionality User Can Rent A Particular Property.

Input : Required Detail For Sending A Mail.

Output : Send Mail TO Owner Of Property.

4). Manage_Property:

R.4.1 Show_Availability_of_Property :

Description: Using This Functionality Customer Can Show All Available Property.

Input : User Selection.

Output : List of Property which are available.

R.4.2 Add_Property_Details:

Description: Using this functionality User can Add Property.

Input : User Selection.

Output : Property is Succesfully Added.

R.4.3 Update_Property_Details:

Description: Using this functionality User can Update Property.

Input : User Selection.

Output : Successful Message.

R.4.4 Delete_Property_Details:

Description: Using this functionality User can Delete Property.

Input : User Selection.

Output : Property is Deleted Successfully.

5). Manage_User_Details:

R.5.1 Update_User_Details :

Description: Using this functionality User can Update the detail of Customer.

Input : Using this functionality User can Update the detail of Customer.

Output : Details of Customer is Updated Successfully.

R.5.2 Delete_User_Details :

Description: Using this functionality Admin can Delete the data of Users from User list

Input : User Selection.

Output : Details of Customer is Deleted Successfully.

R.5.3 Data_of_Consumer :

Description: Using this functionality Admin can see all the data of User.

Input : Enter the name of User.

Output : Display all details of User.
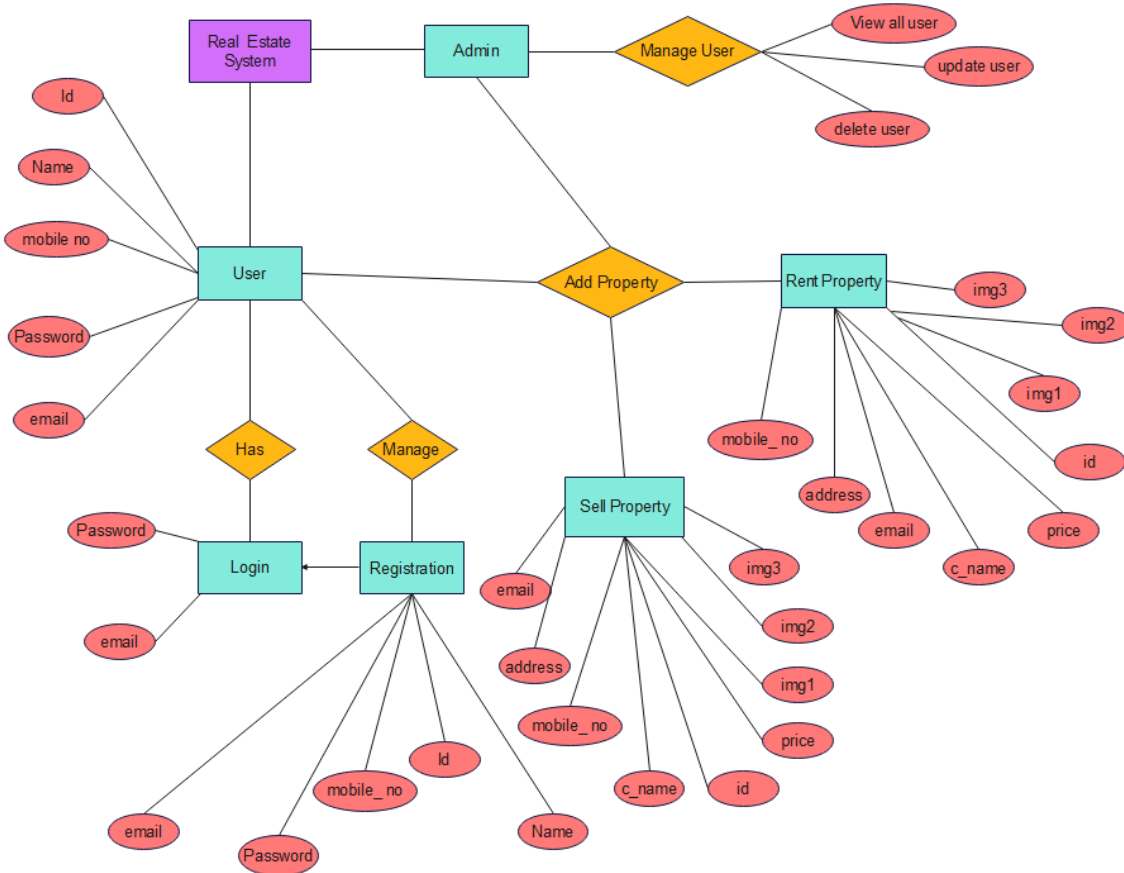
Non-Functional Requirements:-

N.1: Database: A data base management system that is available free of cost in the public domain should be used (MONGODB).

N.2: Platform: Both Windows and Unix versions of the software need to be developed.

N.3: Web Support: Customer Can Invoke All functionality from any place by using a web browser.

5. Design:

ER Diagram:

6. Testing

We have performed manual testing in order to find and fix the bugs and errors in our system during the development process.

Sr No	Test Scenario	Expected Results	Actual Result	Status
1.	Login in with the correct credentials	User should be able to log in.	User is logged in and redirected to home screen	success
2.	Login with incorrect credentials	User should not be able to logged in	System give a message to user and redirected to same page	success
3.	Register with correct details	User should be able to register in our system.	User is successfully register in out system	success
4.	Register with incorrect details	User should not be able to Register in our system	System give a message to user and redirected to same page	success
5.	User will Add Property for rent or sell	Property added successfully	Alert box showing with success message	success
6.	Admin will Add Property for sell or rent	Property added successfully	Alert box showing with success message	success
7.	Logout	User or Admin will be logged out from the system and restricted from the system until next login	User or Admin will successfully logged out from the system	Success

7.Screen Shots Of the System

1.User Registration:

Signup

Id

Name

Mobileno

Email

Password

recovery

Signup

Already Have Account ? Login

2.User Login:

Login

Email

Password

Login

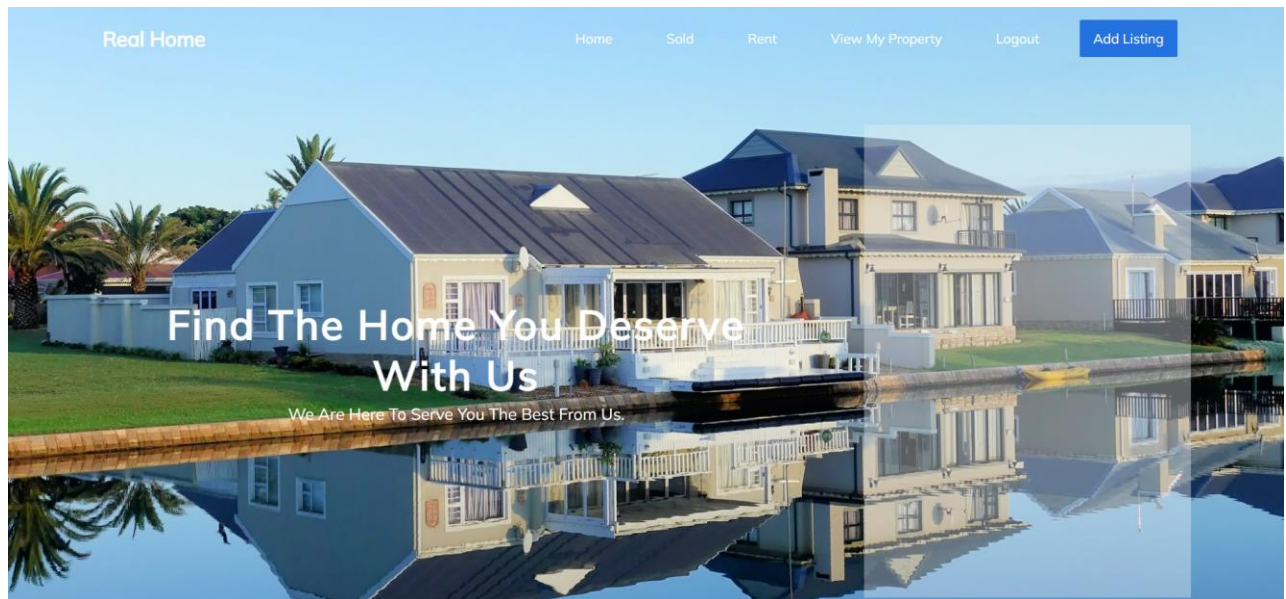Forgot Password ?

Don't have an Account ? Sign Up

3.Recovery Password :

Reset Your Password

Recovery

[   ]

Send

4.Home Page :

Our Featured Listing

Details

Details

Details

5. Details page :

vatsal

Bank Of India, Katargam, Opp.mehta Petrol Pump, Gujarat, Surat, 395004

vatsal12@gmail.com

Name

Email

I would love to know more about this property

Send Message

Details Of Owner   ^

Owner Name : vatsal

Email   ^

vatsal12@gmail.com

Address   ^

Address : Bank Of India, Katargam, Opp.mehta Petrol Pump, Gujarat, Surat, 395004

Mobile no   ^

456

6. Sold Page :

Our Featured Listing

Details

Details

Details

7. Rent Page :

Our Featured Listing For Rent

Details

Details

Details

8. View My Property Page :

Authentication

Email

Password

View My Sold Property
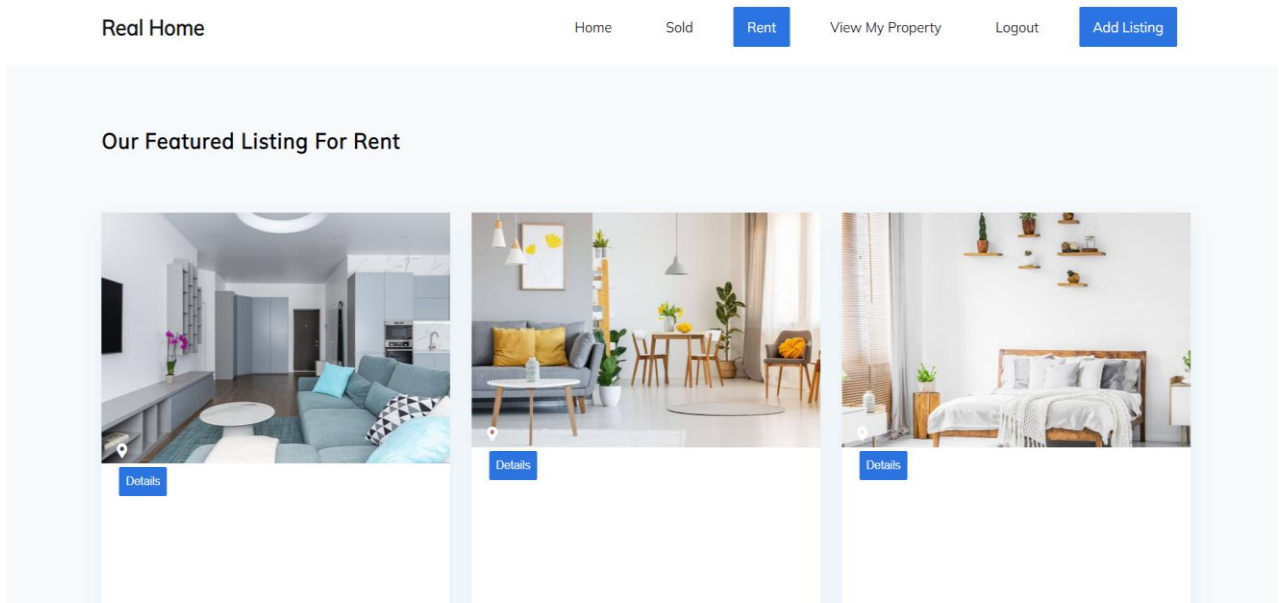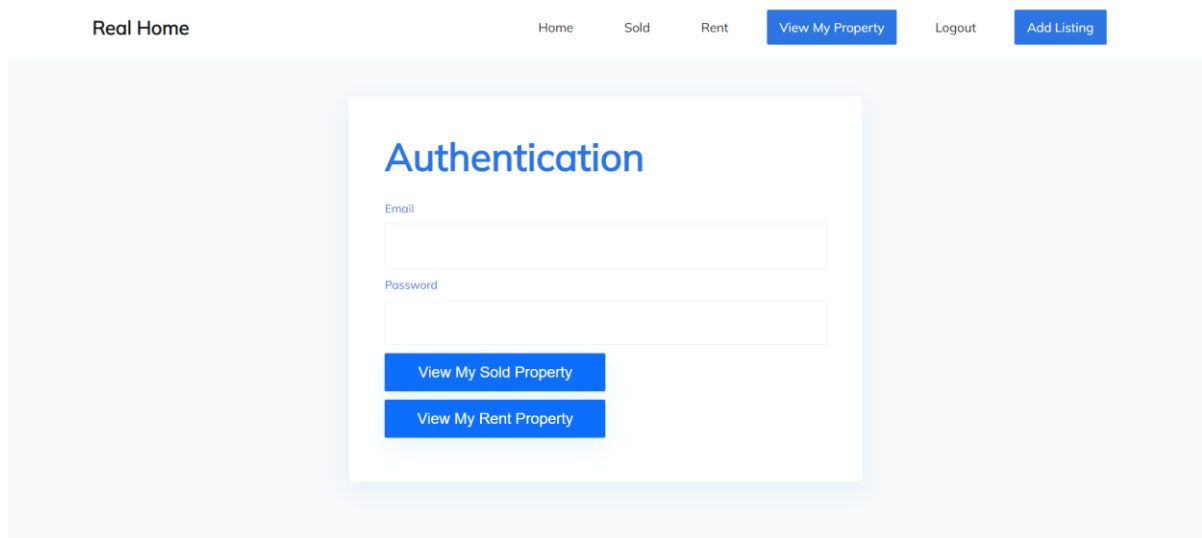
View My Rent Property

9. Add Listing :

Real Home

Home   Sold   Rent   View My Property   Logout   **Add Listing**

Customer Name

Mobileno

Email

Address

image1

image2

image3

Add For Sold

Add For Rent

9. Conclusion

Real-Home is a completely free, easy-to-use, good user interface, and great user experience project which is created through mern-stack technology . It provides many functionality to the user. Here user can add property for sell or rent purpose very easily. It reduce the manual work for managing the Property, Property Type, Facility, Property Details

The functionalities are implemented in the system after understanding all the system requirements.

Functionalities that are implemented successfully in our system.

- User Registration
- Use Login
- Recovery password
- Add Property
- Update Property
- Delete Property
- Delete user

10. Limitation and future extension of system

Limitations:

1. Here we don't add payment feature so, Users can not make payment for buying and renting .
2. Here we can access images link From Database But In Actual User Need To Upload The Photo To The System So We Need To Implement That To Add Photo To The System.

Future Extensions:

1. We make sure that every user will be able to make payment for their buying and renting purpose.
2. We make sure that we Implement Backend Function To Upload AN Image And Change Frontend According To That.

11. Bibliography:

Websites:

https://www.w3schools.com/nodejs

https://www.w3schools.com/react

https://www.tutorialspoint.com/nodejs/nodejs_express_framework.htm

https://www.tutorialspoint.com/mongodb/index.htm