American International University-Bangladesh »»

FACULTY OF SCIENCE AND TECHNOLOGY
OBJECT ORIENTED PROGRAMMING 2

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SECTION: <u>P</u>

PROJECT REPORT ON
"**CHEMINEE REAL ESTATE**"

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SUBMISSION DATE:
15th MAY,2024

DEAR SIR,
TOFAYET SULTAN

I EXTEND MY GRATITUDE FOR YOUR GUIDANCE,
MD. EMRAN NAZIR EFTY. I AM EXCITED TO APPLY
YOUR TEACHINGS TO OUR OBJECT-ORIENTED
PROGRAMMING 02 PROJECT AND CREATE
SOMETHING EXCEPTIONAL.

<u>BEST REGARDS FROM</u>

MD. EMRAN NAZIR EFTY

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➢ Title:

Real Estate Management System (**CHEMINEE REAL ESTATE**)

➢ Introduction:

The Real Estate Management System (REMS) is designed to be a dynamic and robust software application tailored for the effective management of real estate properties. It serves multiple user types, including administrators, employees, property owners and clients. Each user type has access to a tailored set of functionalisms that streamline operations ranging from property listings, user management and client interactions REMS aims to simplify the complexities associated with real estate management while enhancing user engagement and satisfaction through a user-friendly digital platform. This system is not only a tool for managing properties but also a facilitator of enhanced communication and operational efficiency in real estate transactions.

➢ Case Study:

The implementation of REMS marked a pivotal shift in the operational landscape of the mid-sized real estate company. By addressing the inherent inefficiencies and limitations of their previous systems, REMS ushered in a new era of streamlined operations and enhanced customer service.

With the centralization of property information, stakeholders across the organization gained unprecedented access to real-time data, enabling informed decision-making and fostering collaboration among teams. This not only reduced the likelihood of errors in data handling but also ensured consistency and accuracy across property listings.

The automation of user account and property listing management significantly reduced the administrative burden on employees, allowing them to allocate more time and resources to value-added tasks such as client engagement and business development. This new-found efficiency translated into tangible improvements in response times to client inquiries and issues, ultimately enhancing the overall customer experience and satisfaction.
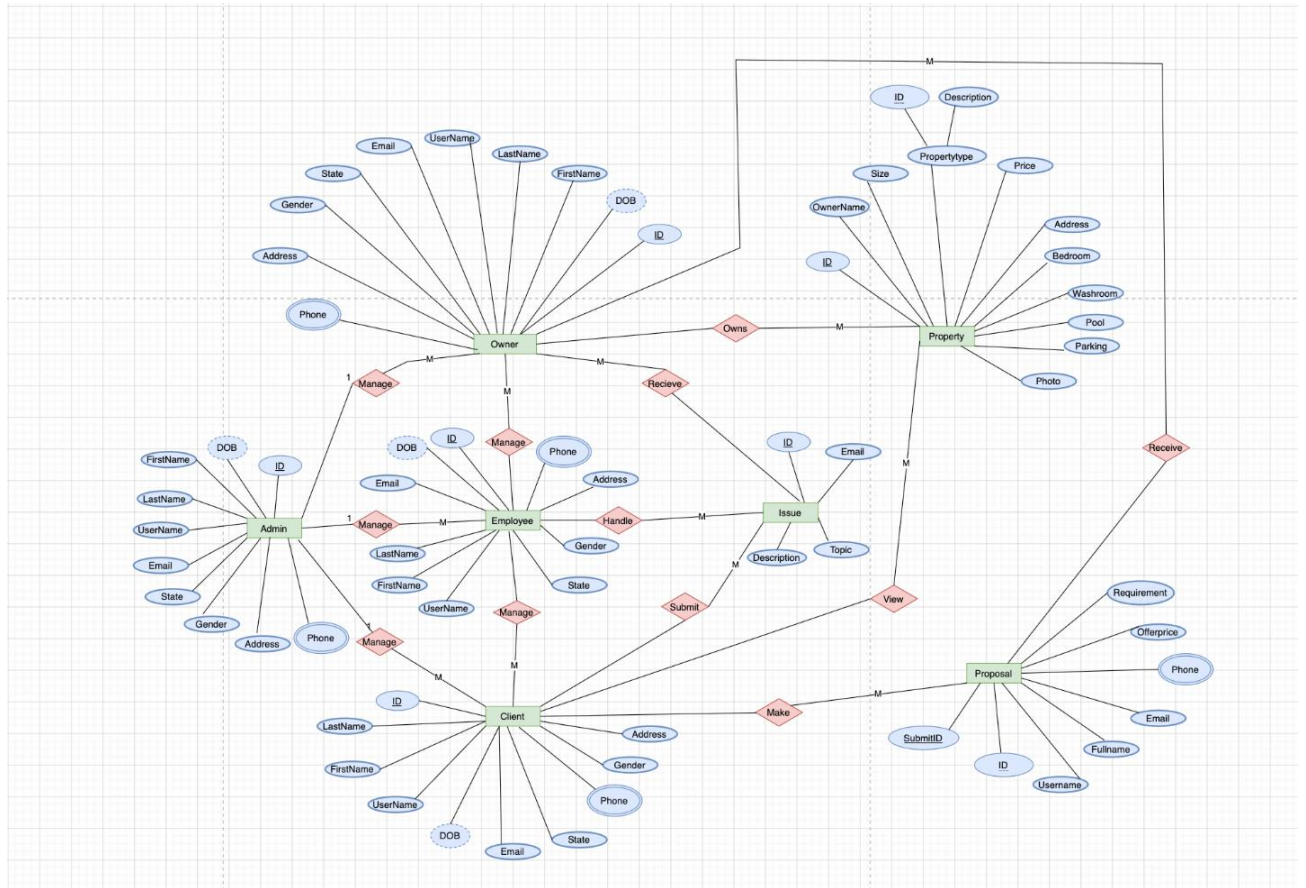
Furthermore, the introduction of real-time communication and negotiation capabilities empowered property owners and clients alike, facilitating smoother and more transparent transactions. By providing a platform for direct interaction, REMS fostered trust and transparency in client relationships, laying the foundation for long-term partnerships and repeat business.

In summary, the adoption of REMS not only addressed the immediate challenges faced by the company but also positioned it for sustainable growth and success in a competitive market. The trans-formative impact of REMS underscored the importance of leveraging technology to drive operational excellence and enhance customer satisfaction in the real estate industry.
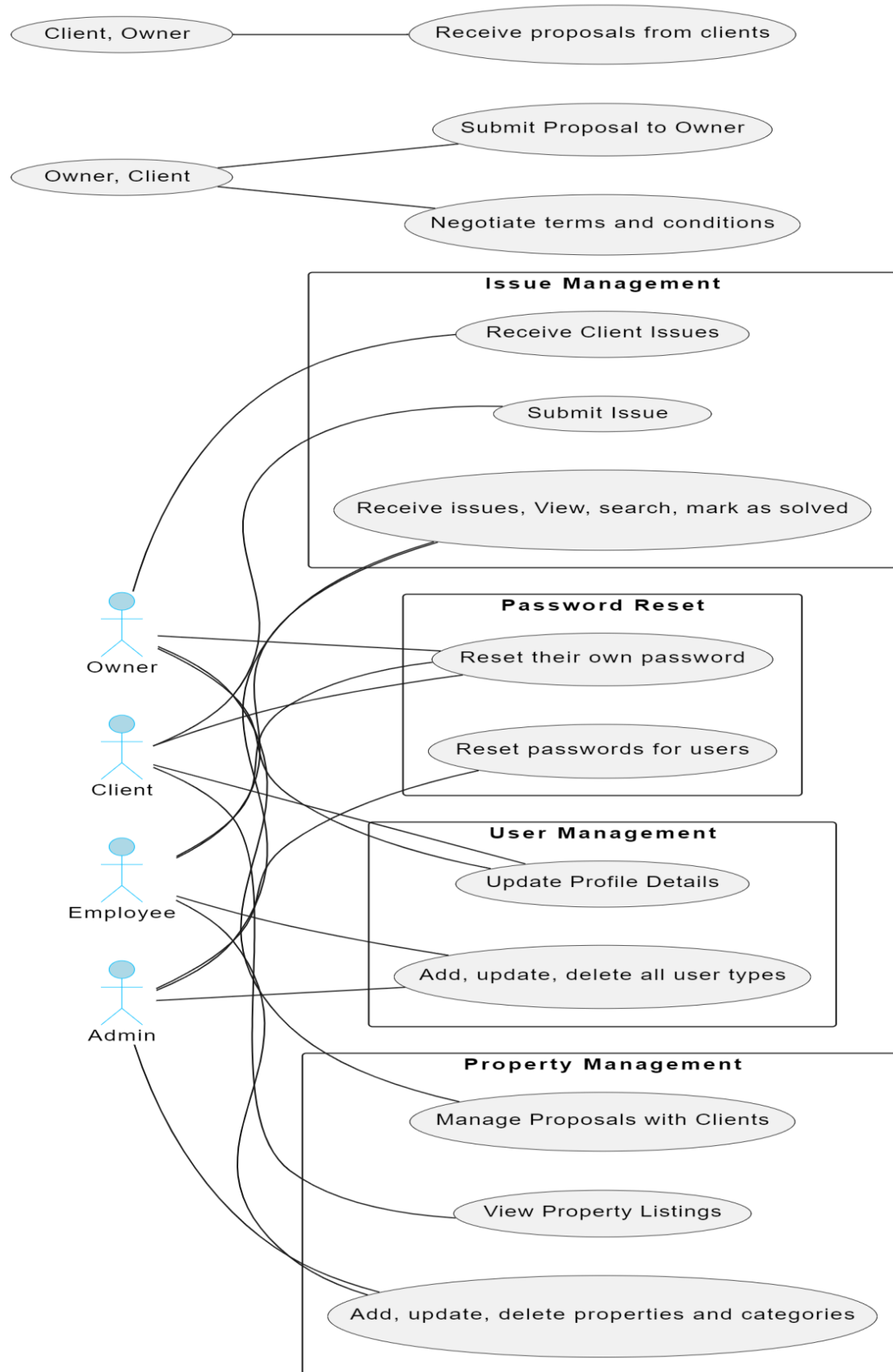
DATABASE SCHEMA

Admininfo

PK	ID
	FirstName
	LastName
	Username
	Email
	Password
	Gender
	Dob
	Phone
	State
	Address

Propertytype

PK	ID
	Propertytype
	Description

Employeeinfo

PK	ID
	FirstName
	LastName
	Username
	Username
	Email
	Password
	Gender
	Dob
	Phone
	State
	Address

Propertyinfo

PK	ID
	Propertytype
	Ownerusername
	Size
	Price
	Address
	Bedroom
	Washroom
	Parking
	Pool
	Photo

Ownerinfo

PK	ID
	FirstName
	LastName
	Username
	Email
	Password
	Gender
	Dob
	Phone
	State
	Address

Isshueinfo

PK	ID
	Username
	Email
	Topic
	Description
	Description

Clientinfo

PK	ID
	FirstName
	LastName
	Username
	Email
	Password
	Gender
	Dob
	Phone
	State
	Address

Sbmitpropertyinfo

PK	SubmitID
Fk	ID
	Username
	Fllname
	Email
	Phone
	Offerprice
	Requirment

ER DIAGRAM

ACTIVITY DIAGRAM

Client, Owner — Receive proposals from clients

Submit Proposal to Owner

Owner, Client

Negotiate terms and conditions

Issue Management

Receive Client Issues

Submit Issue

Receive issues, View, search, mark as solved

Password Reset

Reset their own password

Reset passwords for users

User Management

Update Profile Details

Add, update, delete all user types

Property Management

Manage Proposals with Clients

View Property Listings

Add, update, delete properties and categories

Owner

Client

Employee

Admin

TRANSITION DIAGRAM

➢ Login & Sign-Up:

Figure 1: Login & Sign-Up Procedure

➢ **Admin Features:**

● Administrator:

Figure 2: Administrator Details

● Employee:

Figure 3: Register Employee

● Owner:

Figure 4: Register Owner

- **Client:**

Figure 5: Register Client

- **Property:**

Figure 6:   Property Listing

● Property type:
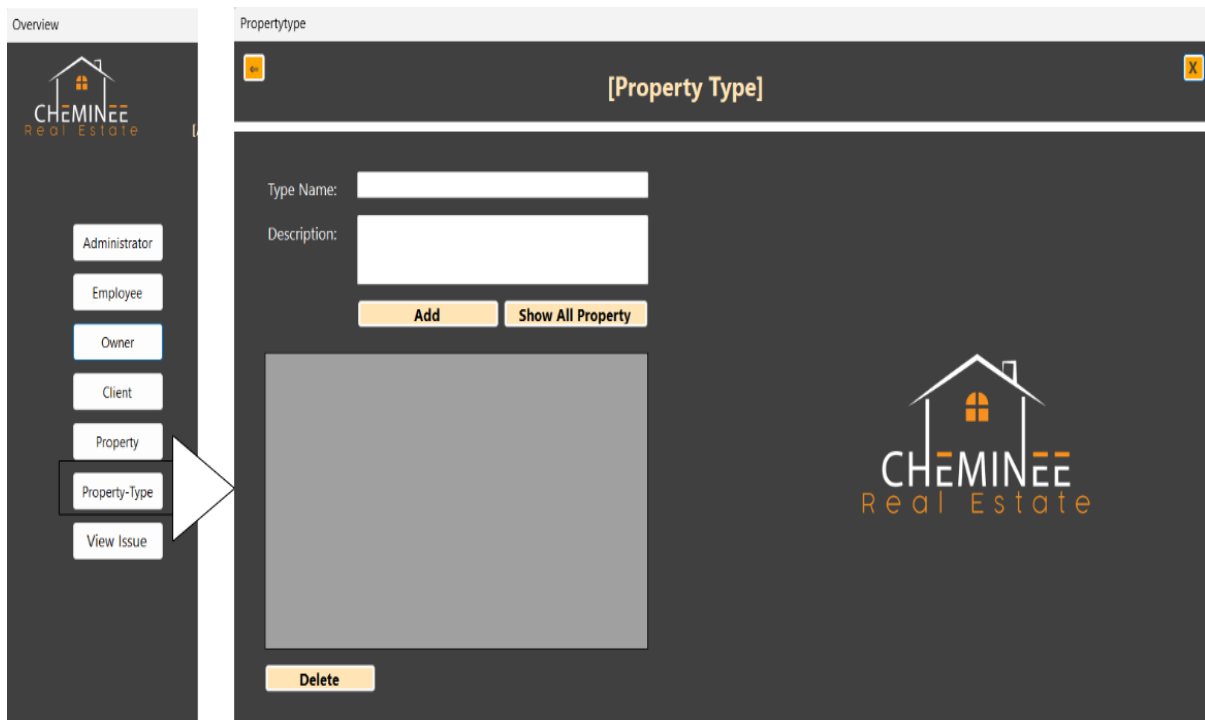
Figure 7: Property type listing

● View Issue :
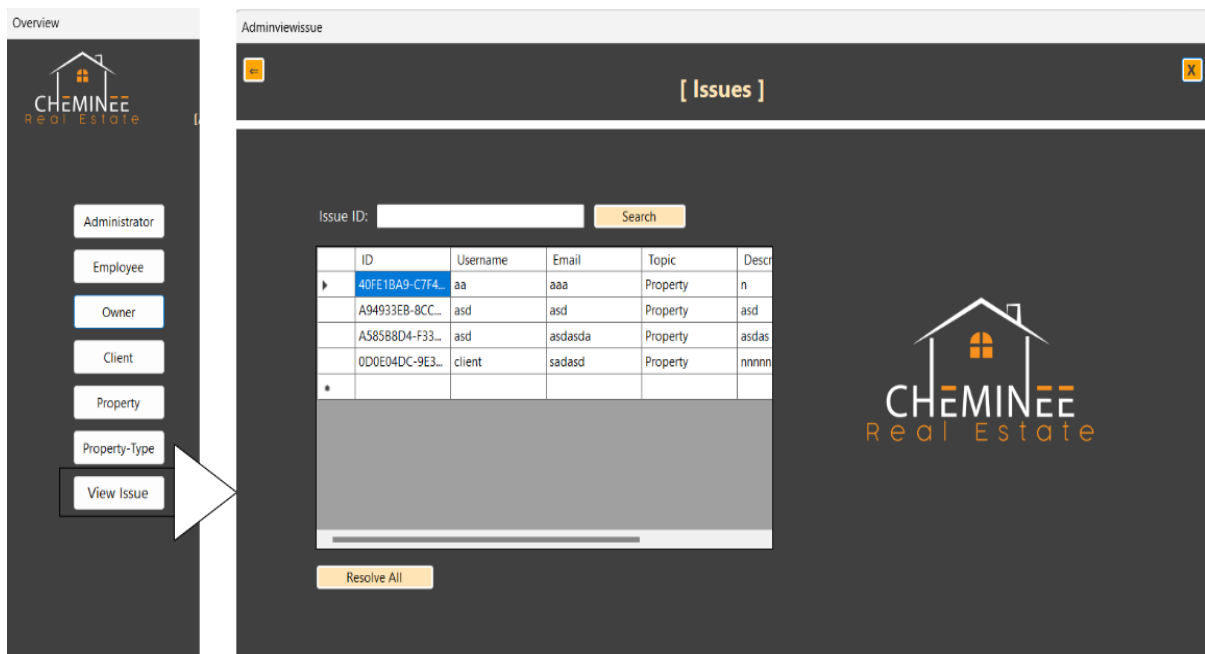
Figure 8: View Submitted Issue

➢ **Employee features:**

● Employee Details

Figure 9: View, Add, Update & Search Employee Details

- Owner details:

Figure 10: View, Add, Update & Search Owner Details

- Client Details

Figure 11: View, Add, Update & Search Client Details .

- Property

Figure 12: Property Listing

- Property Image

- **View Issue**
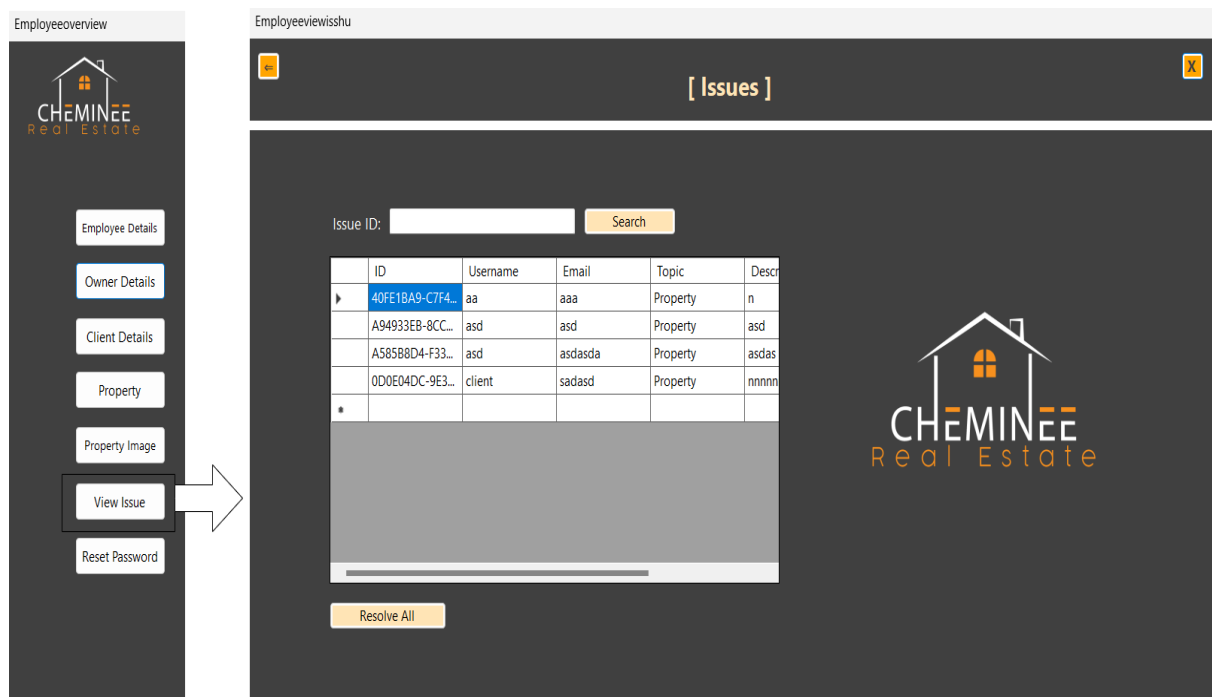
Figure 14: View, Search and Solve Issues

- **Reset Password**
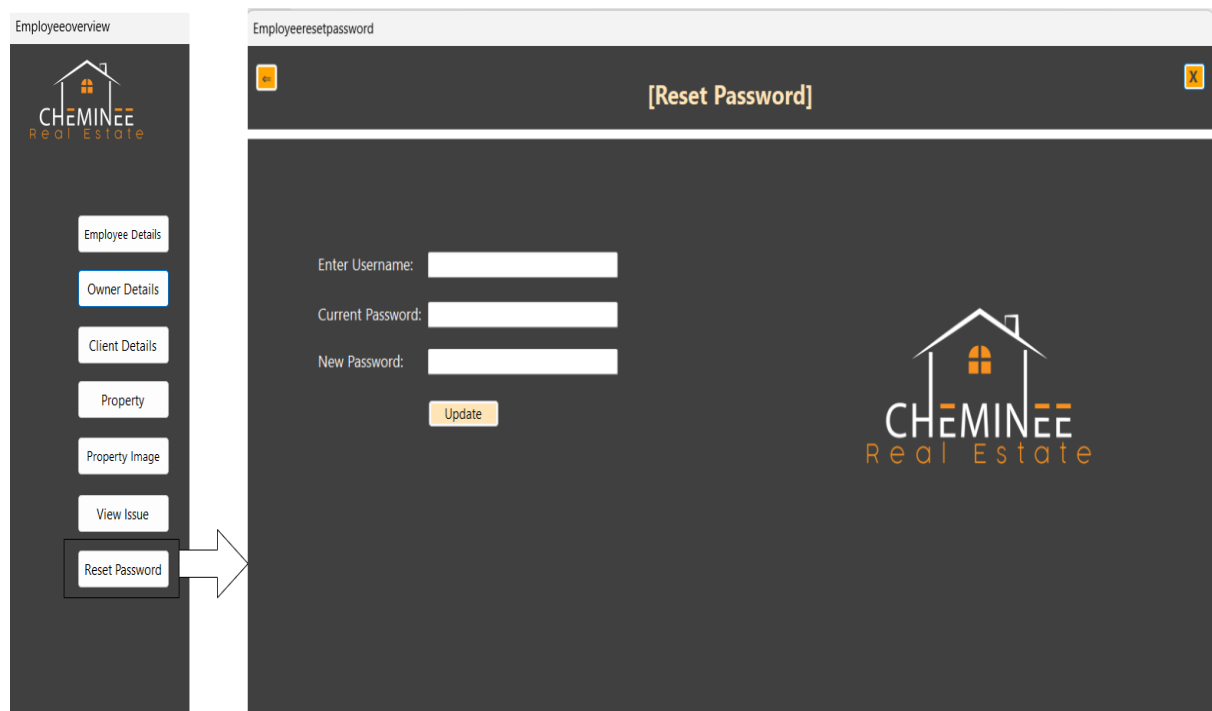
Figure 15: Reset Password

➢ **Owner Feature:**

● Owner Details:

Figure 16: Owner Details

● Add property:

Figure 17: Add Property

● Submit Issue:

Figure 18: Submit Issue

- View Proposal:

Figure 19: View Submitted Proposal

- Reset Password:

Figure 20: Reset Password

➢ **Client features:**

● Client Details

Figure 21: View Client Details & Update

● Property Image:
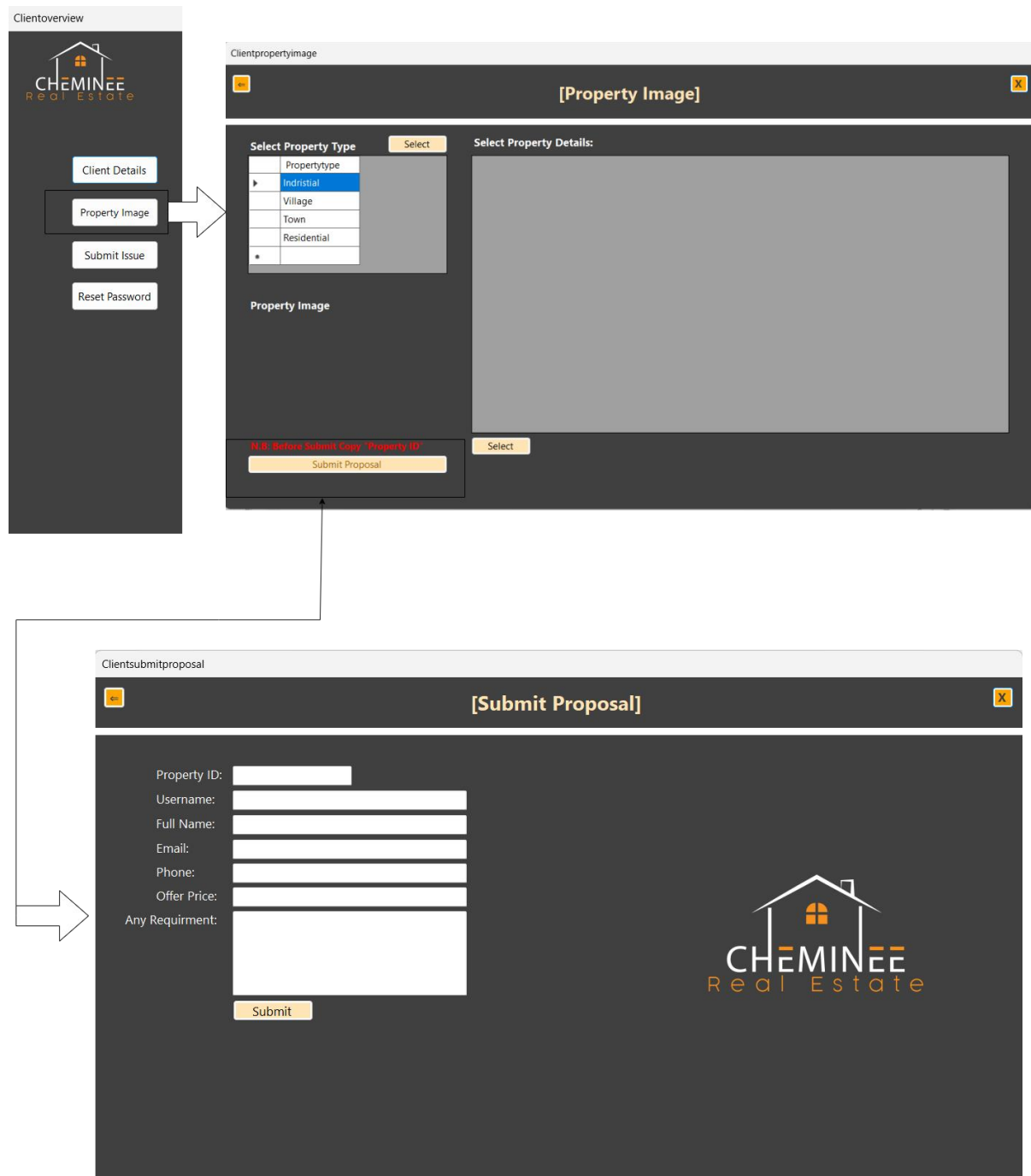
Figure 22: Add Property Image and Submit Proposal

● Submit Issue

Figure 23: Submit Issue

● Reset Password

Figure 23: Reset Password

➢ Features of the Project

1. User Management:

- Admins can add, update and delete profiles for employees, owners and clients, ensuring proper access and security.
- Employees can manage owner and client profiles, supporting administrative tasks and client service.

2. Property Management:

- Users with required permissions can add, update and delete property listings and categories, which streamlines the property handling process.

3. Issue Management:

- A unified platform for receiving, viewing, searching and resolving issues raised by users enhances communication and operational responsiveness.

4. Proposal and Negotiation Management:

- Owners and clients can initiate and negotiate proposals directly through the system, making the transaction process smoother and faster.

5. Access and Security:

- All user types have the capability to reset their passwords, safeguarding user access and enhancing system security.

6. Client and Property Interaction:

- Clients can view property listings, submit issues and propose negotiations, empowering them in the real estate transaction process.

➢ Conclusion

The Real Estate Management System is a comprehensive solution designed to meet the diverse needs of the real estate market. By integrating multiple functionalities into a single platform, REMS provides a seamless, efficient, and user-friendly experience for all stakeholders involved in real estate management. The system not only improves operational deficiencies but also fosters better client relations and business growth through enhanced communication and management capabilities. As the real estate industry continues to evolve, REMS is well-positioned to adapt to changing demands, demonstrating its long-term viability and value to the real estate sector.