

American International University-Bangladesh >>>>

FACULTY OF SCIENCE AND TECHNOLOGY

OBJECT ORIENTED PROGRAMMING 2

SPRING 2023-24 SECTION: <u>P</u> GROUP: <u>03</u>

PROJECT REPORT ON

REAL ESTATE MANAGEMENT SYSTEM

"CHEMINEE REAL ESTATE"

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SUBMITED BY

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DEAR SIR, TOFAYET SULTAN

WE EXTEND OUR GRATITUDE FOR YOUR GUIDANCE.OUR TEAM COMPRISES OF MD. EMRAN NAZIR EFTY, RAKIBUL HASAN, NILADRI BISWAS AND MASHUDH AHMED. TOGETHER, WE ARE EXCITED TO APPLY YOUR TEACHINGS TO OUR OBJECT-ORIENTED PROGRAMMING 02 PROJECT AND CREATE SOMETHING EXCEPTIONAL.

BEST REGARDS FROM GROUP-03

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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.

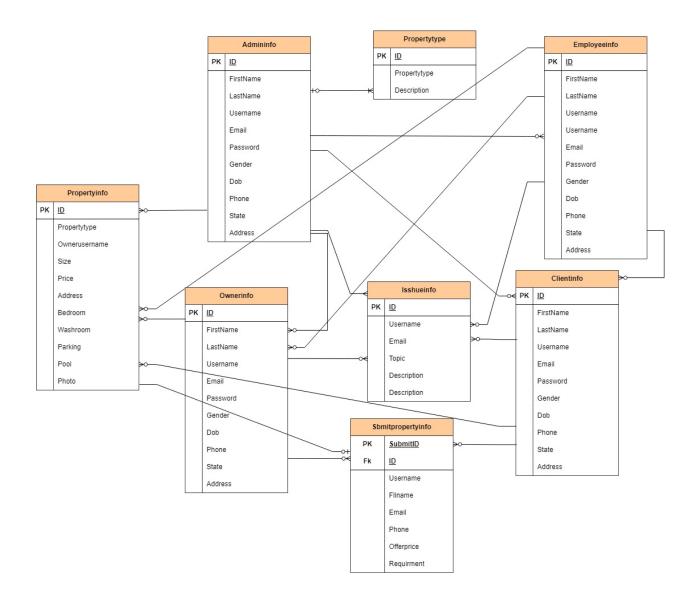
With the centralization of property information, stakeholders across the organization gained unprecedented access to real-time data, enabling informed decision-making and fostering collaboration among teams. This not only reduced the likelihood of errors in data handling but also ensured consistency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

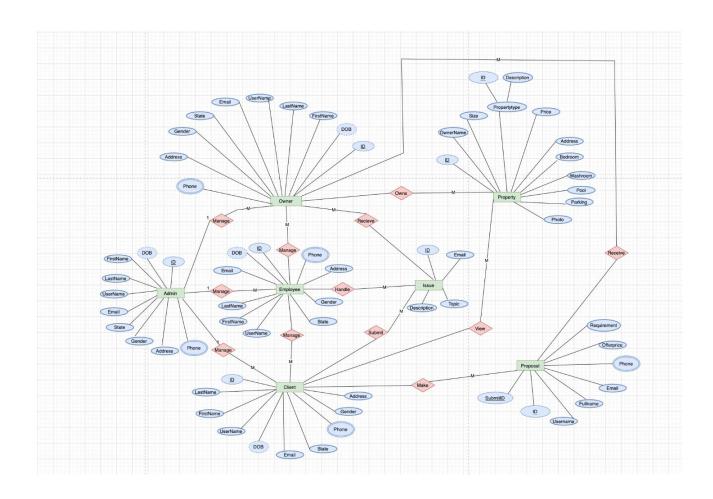
Furthermore, the introduction of real-time communication and negotiation capabilities empowered property owners and clients alike, facilitating smoother and more transparent transactions. By providing a platform for direct interaction, REMS fostered trust and transparency in client relationships, laying 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.

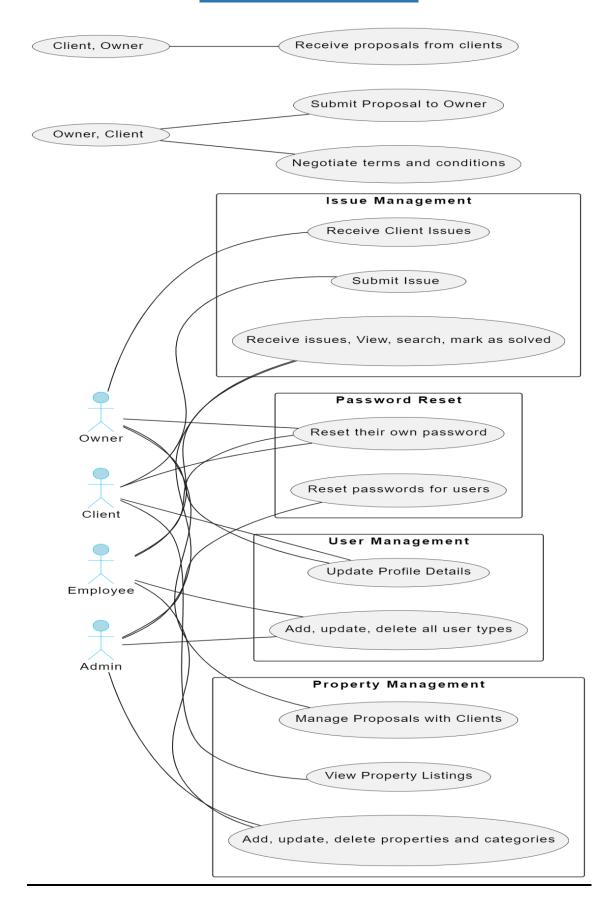
DATABASE SCHEMA



ER DIAGRAM



ACTIVITY DIAGRAM



TRANSITION DIAGRAM

Login & Sign-Up:



Figure 1: Login & Sign-Up Procedure

Admin Features:

• Administrator:



Figure 2: Administrator Details

• Employee:

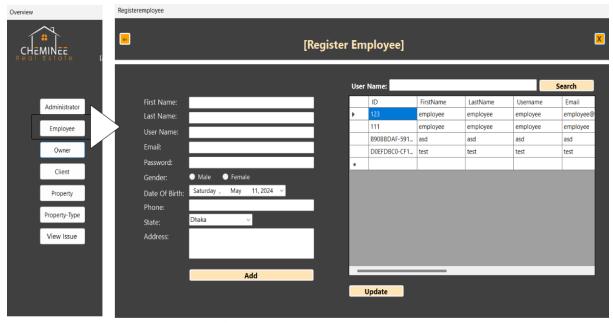


Figure 3: Register Employee

Owner:

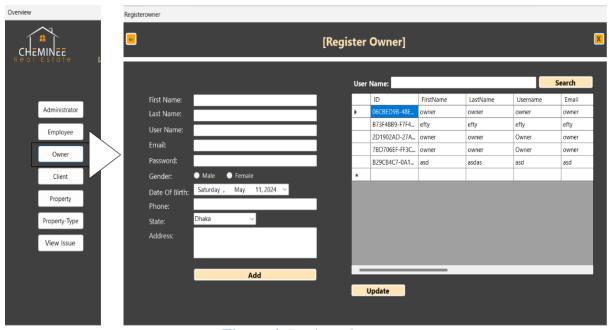


Figure 4: Register Owner

• Client:

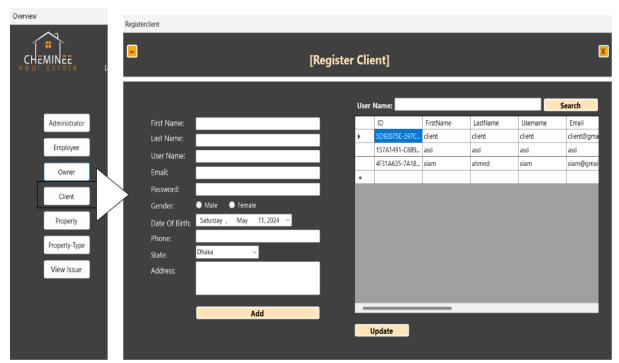


Figure 5: Register Client

• Property:

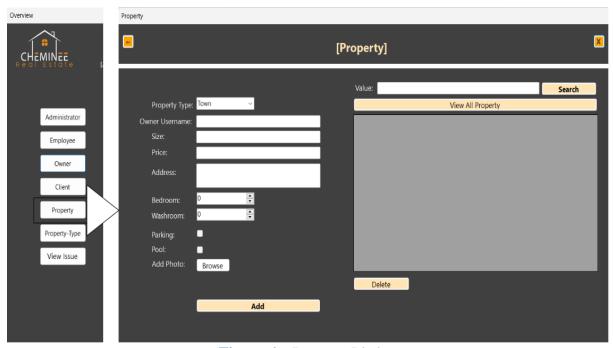


Figure 6: Property Listing

• Property type:



Figure 7: Property type listing

• View Issue:

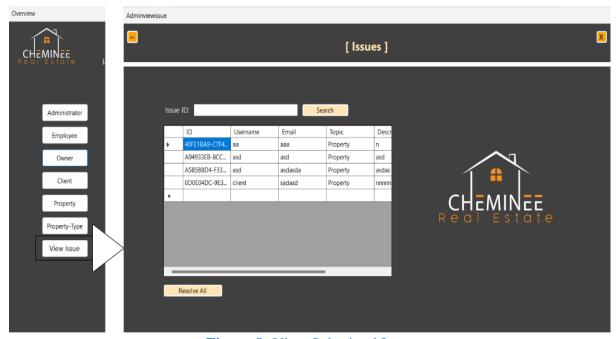


Figure 8: View Submitted Issue

Employee features:

• Employee Details



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

• Owner details:

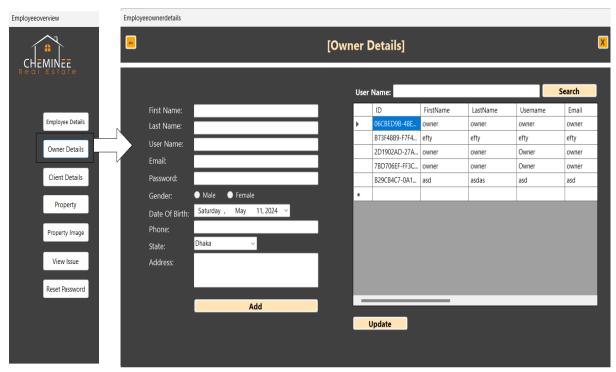


Figure 10: View, Add, Update & Search Owner Details

• Client Details

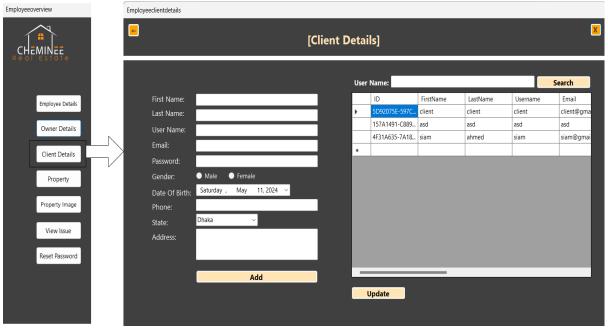


Figure 11: View, Add, Update & Search Client Details.

• Property

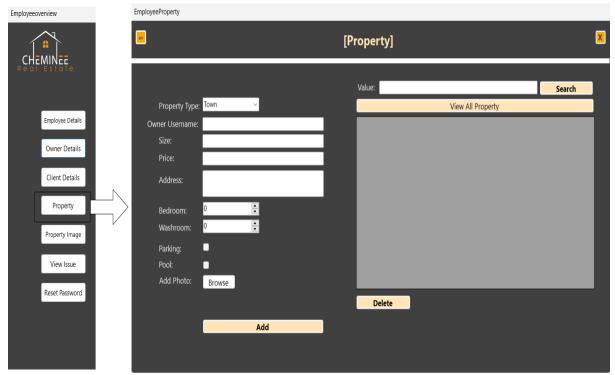
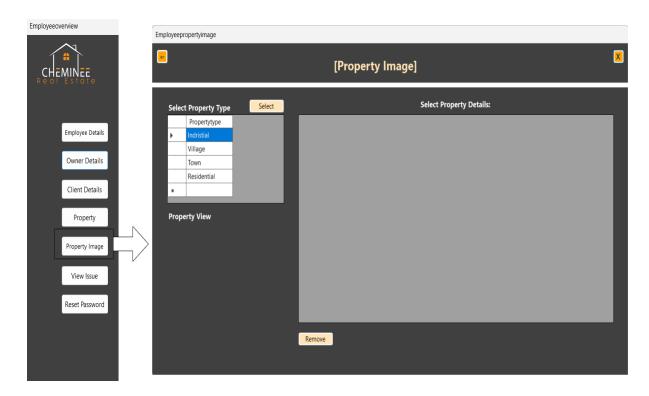


Figure 12: Property Listing

• Property Image



• View Issue

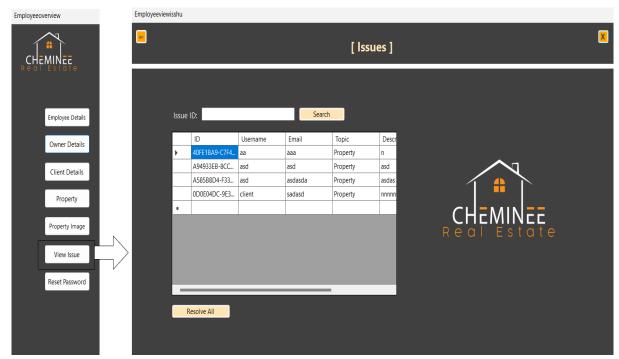


Figure 14: View, Search and Solve Issues

• Reset Password



Figure 15: Reset Password

Owner Feature:

• Owner Details:



Figure 16: Owner Details

• Add property:

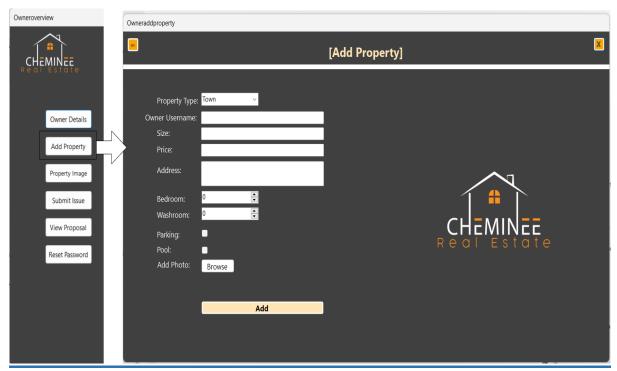


Figure 17: Add Property

• Submit Issue:

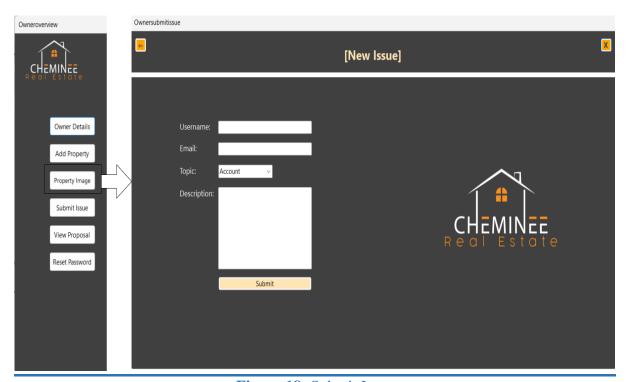


Figure 18: Submit Issue

• View Proposal:

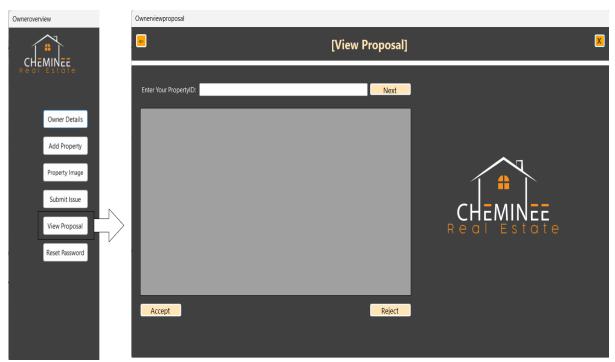


Figure 19: View Submitted Proposal

• Reset Password:

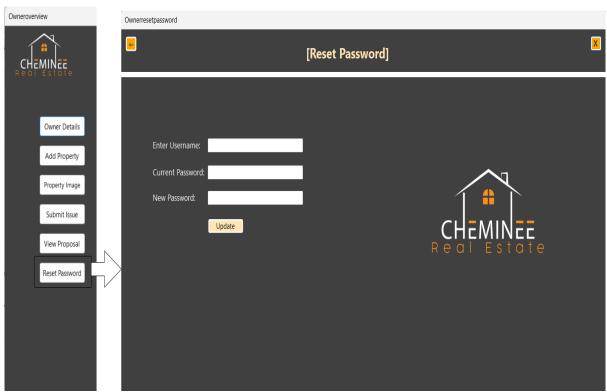


Figure 20: Reset Password

Client features:

Client Details



Figure 21: View Client Details & Update

• Property Image:

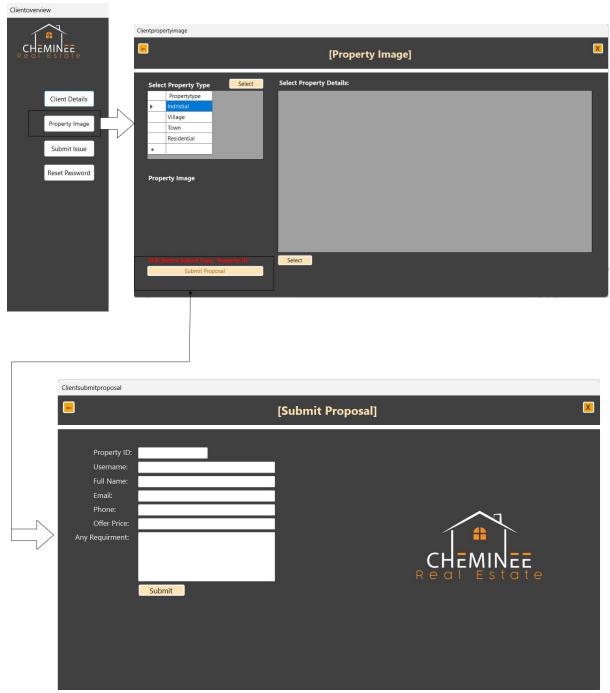


Figure 22: Add Property Image and Submit Proposal

Submit Issue

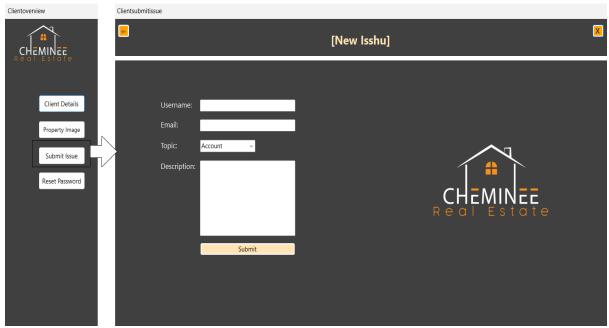


Figure 23: Submit Issue

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.