

Bangladesh University of Business and Technology

Department of Computer Science and Engineering Software Engineering Lab (CSE 328)

Report On: Real-Estate ERP System with Multi Agency Integration

Submitted To:

MS. Meher Afroj

Lecturer

Department of Computer science & Engineering Technology
BUBT

Submitted By

Chayan Das Gupta [20211203024]

Table of Contents

Chapter 1: Overview of the system	3
Introduction	3
Problem Statement	3
Requirement Specification	3
Technology Used	4
System requirement and Installation	4
Chapter 2: Getting Started	5
Login Page	5
Fig 1: Login Module	5
User Profile	5
Fig 2: Profile Update Module	6
Admin Panel	6
Fig 3: Dashboard	6
Fig 4: Manage Agency & Agency User	6
Fig 5: Manage Plots	7
Fig 6: RBAC	7
Fig 7: Report	8
Fig 8: Manage User	8
Agency Panel	9
Fig 9: Manage Salesman	9
Fig 10: Manage Sales	10
Fig 11: Report	11
Chapter 3: Setting Up Database	12
Databases Table	12
Chapter 4: Conclusion	13
Chapter 5: References	14

1 Overview of the system

1.1 Introduction

A real estate ERP (Enterprise Resource Planning) system with a multi-agency system is a comprehensive software solution designed specifically for the real estate industry. This system allows multiple agencies to manage their operations and share data on a single platform, making it easier to collaborate and increase efficiency.

The multi-agency system allows different real estate agencies to operate independently while still sharing a common database. This means that each agency can have its own data, customers, and transactions, while still benefiting from the shared infrastructure.

1.2 Problem Statement

The real estate industry is highly competitive, and real estate agencies need to be efficient and effective in their operations to succeed. However, managing properties, customers, transactions, and commissions can be challenging, especially for multiagency real estate businesses.

- Lack of standardization
- Complex communication structures.
- Reporting and analytics time delay.
- Integration with other system is challenging it the system are not compatible.

1.3 Requirement Specification

- Multi-agency support.
- Plot management.
- Customer management.
- Transaction management.
- Reporting and analytics.
- Customization.
- Integration.
- Security.
- User-friendly interface.
- Scalability.

1.4 Technology Used

• Laravel (PHP Framework)

• Vue Js (JS Framework)

• Database: MySQL.

• Code Editor: VS Code

• Operating System: Windows

• Version Control By: GitHub

1.5 System Requirement and Specification

- Hardware requirements: The system would require servers with sufficient processing power, memory, and storage capacity to handle multiple agencies, properties, customers, and transactions.
- Software requirements: The system would require an operating system, database management system, web server, and other software components to support its functionality.
- User authentication and access control: The system would need to authenticate
 users and control their access to data and functionality based on their role and
 permission level.
- Customization and configuration: The system would need to be configurable and customizable to meet the unique needs of each agency, including custom fields, workflows, and reporting tools.
- Reporting and analytics: The system should provide real-time reporting and analytics, enabling agencies to make informed decisions and improve their performance.
- Security: The system should have robust security features, including user authentication, data encryption, and backup and recovery.
- User-friendly interface: The system should have a user-friendly interface that is easy to navigate and use, even for non-technical users.

2 Getting Started

2.1 Login Page

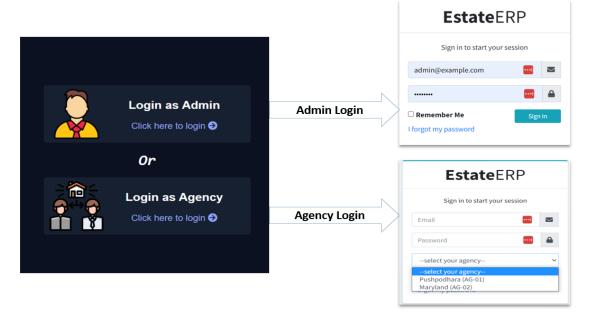


Fig: 1 Login Module

2.2 User Profile

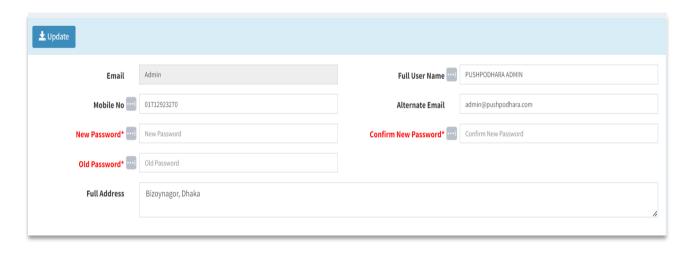


Fig: 2 Profile Update Module

2.3 Admin Panel

2.3.1 Dashboard

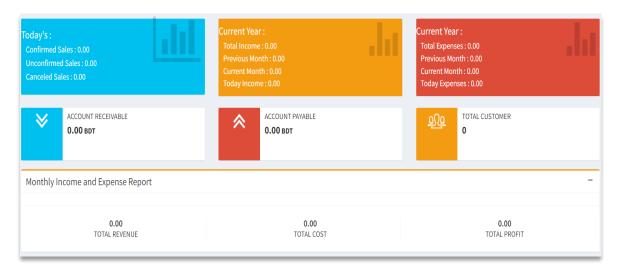


Fig: 3 Dashboard

2.3.2 Manage Agency and Agency User

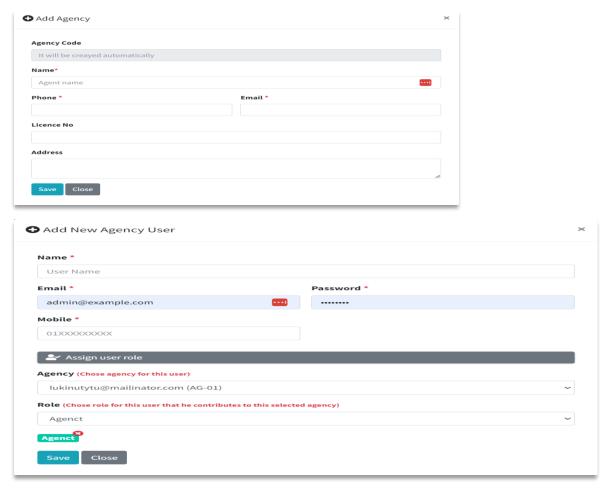


Fig: 4

2.3.3 Manage Plots

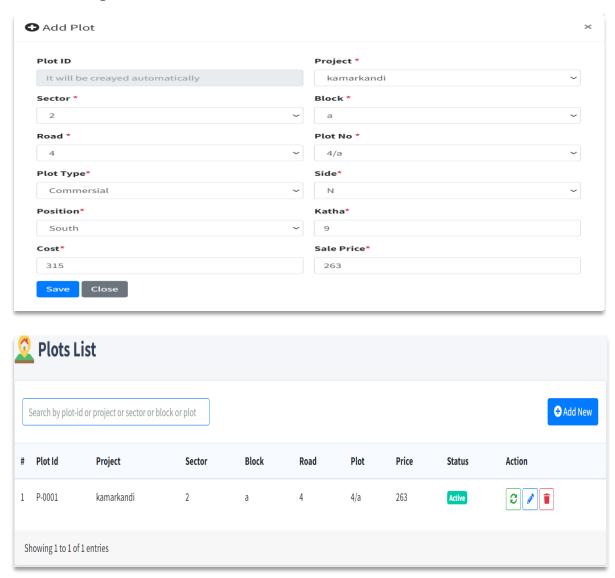


Fig: 5 Manage Plot

2.3.4 RBAC (Role based access control)



Fig: 6 RBAC

2.3.5 Report (Date wise sale report)

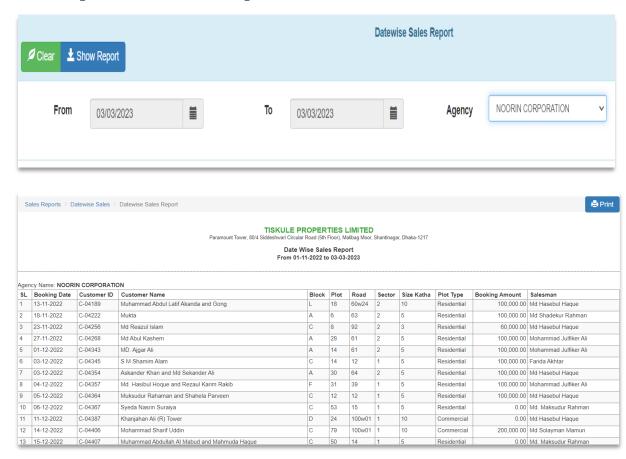
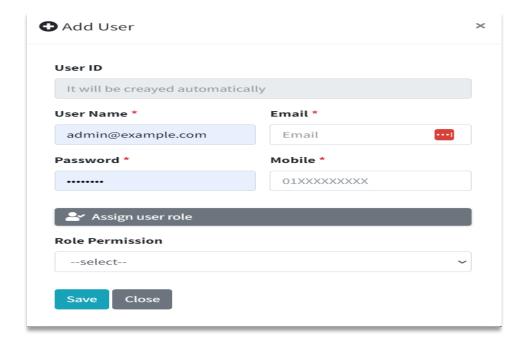


Fig: 7 Report (Date wise)

2.3.6 Manage Admin User



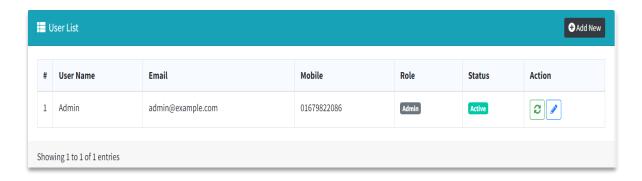
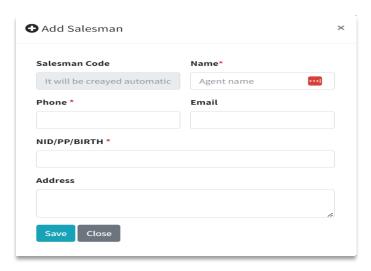


Fig: 8 Admin User

2.4. Agency Panel

2.4.1 Manage Salesman



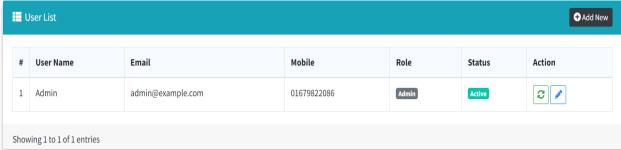
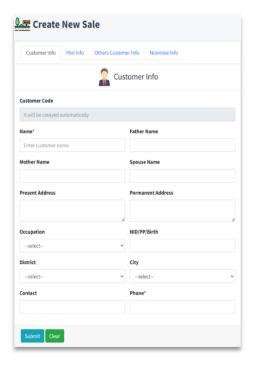
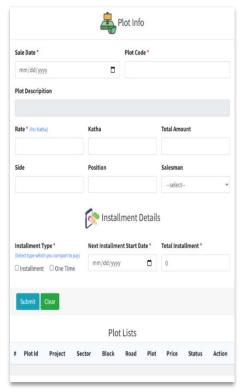
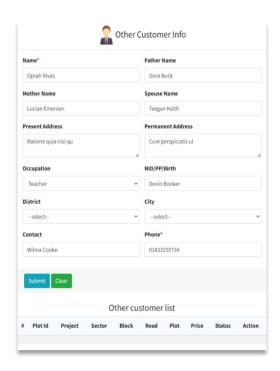


Fig: 9 Manage Salesman

2.4.2 Manage Sales







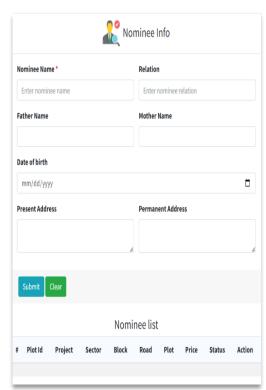


Fig: 10 Manage Sale

2.4.3 Report (Plot Status Check)





Fig: 11 Report (Plot Status Check)

3 Setting Up Database

3.1 Database Table

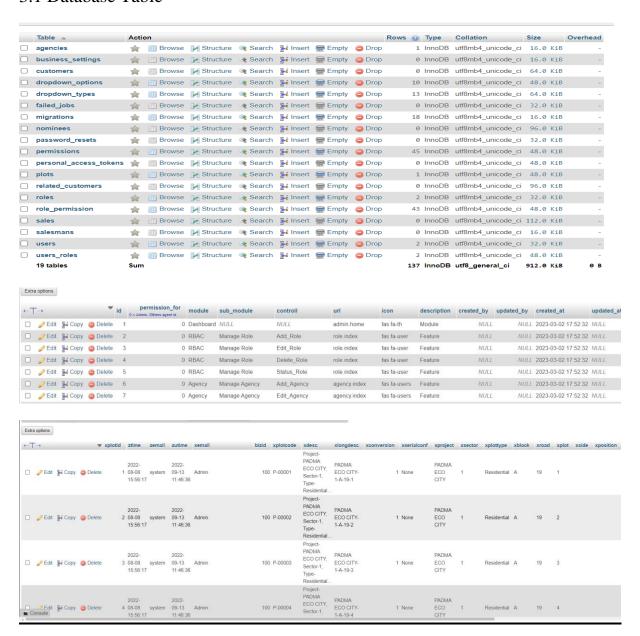


Fig: 12 Database Table

4 Conclusion

The Real Estate Management System is an essential tool for real estate businesses to manage their daily operations more efficiently. The system's database design, admin panel, and agency panel make it easy to manage property listings, client information, and financial transactions. Although there are some limitations, future work can be done to improve the system and provide additional benefits to real estate businesses.

5 Reference

We need to take help from some website during we work on this project. We have seen some video tutorials also from some random channels.

Some of the reference website links are given bellow:

- https://laravel.com
- https://www.tutorialspoint.com
- https://laracasts.com
- https://stackoverflow.com
- https://chat.openai.com/chat