

# Real Estate Property Management System

**EstateEdge**

A Real Estate Website

**Real Estate**

# TEAM MEMBERS



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Course Code:  
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Software  
Engineering

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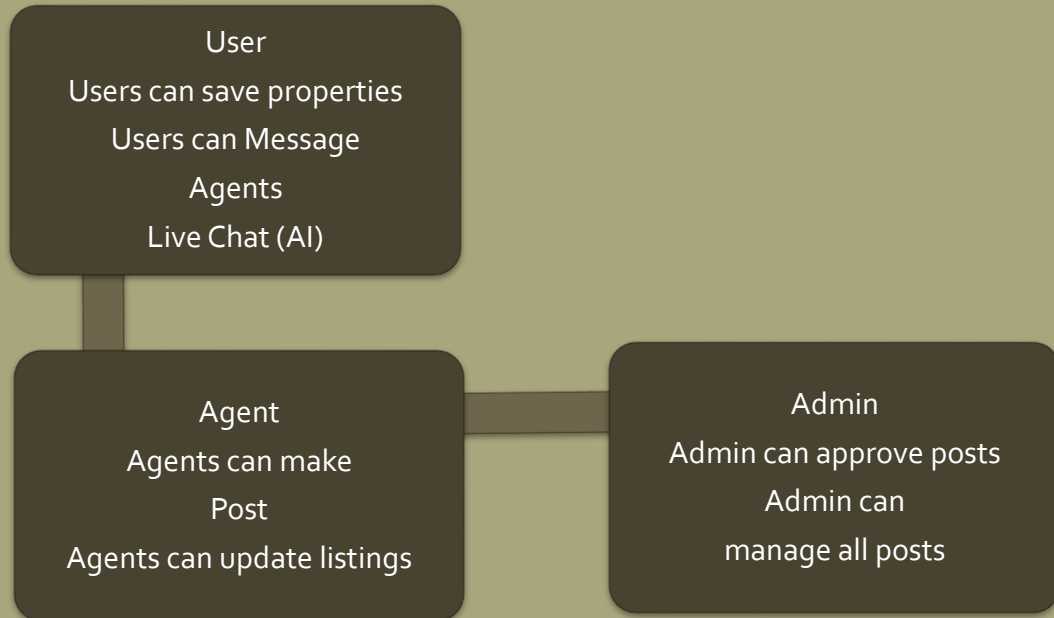


## Why This Project:

The primary purpose of this system is to provide a comprehensive and user-friendly platform where:

- Customers can explore property listings, save favorites, chat with agents, and receive support.
- Agents can manage their profiles, respond to inquiries, and track listing performance.
- Administrators can oversee users, monitor activities, manage recruitment, and maintain platform integrity.

# Features



## USER ROLES:

- ➡ Public User
- ➡ Agent
- ➡ Admin





## Technologies Used:

- ★ FRONTEND: React.js
- ★ BACKEND: Node.js, Express.js
- ★ DATABASE: Prisma with MongoDB
- ★ AUTHNICATION: JWT

# CONTRIBUTIONS



**SRABONTI SUCHI  
TALUKDAR**

Admin Panel  
Pie Chart  
Filter Features  
Testing



**ALLO RANI  
MALAKAR**

Backend  
API (Post & Save)  
Prisma Setup  
Testing

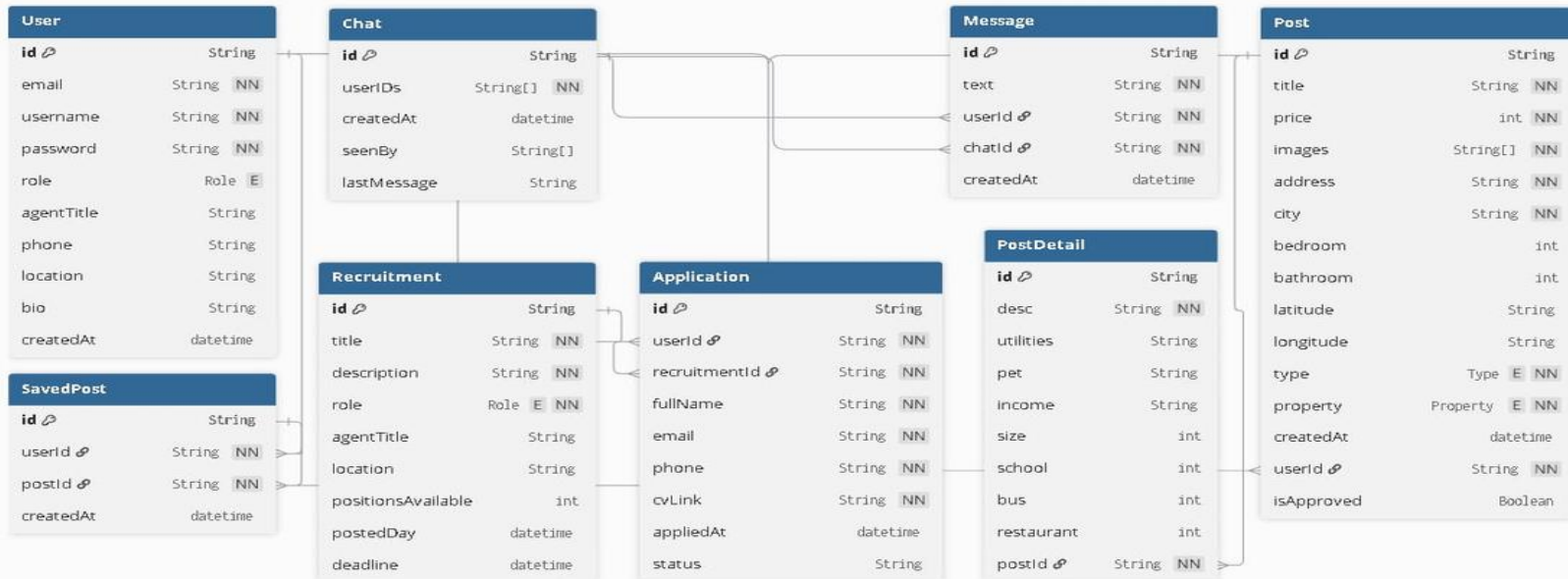


**RASHADA  
CHOWDHURY**

Frontend UI  
Card Components  
Agent Functions  
Testing



## ERD (Entity-Relationship Diagram):



- Visual Representation of Data Structure

- Entities and Attributes
- Relationships Between Entities

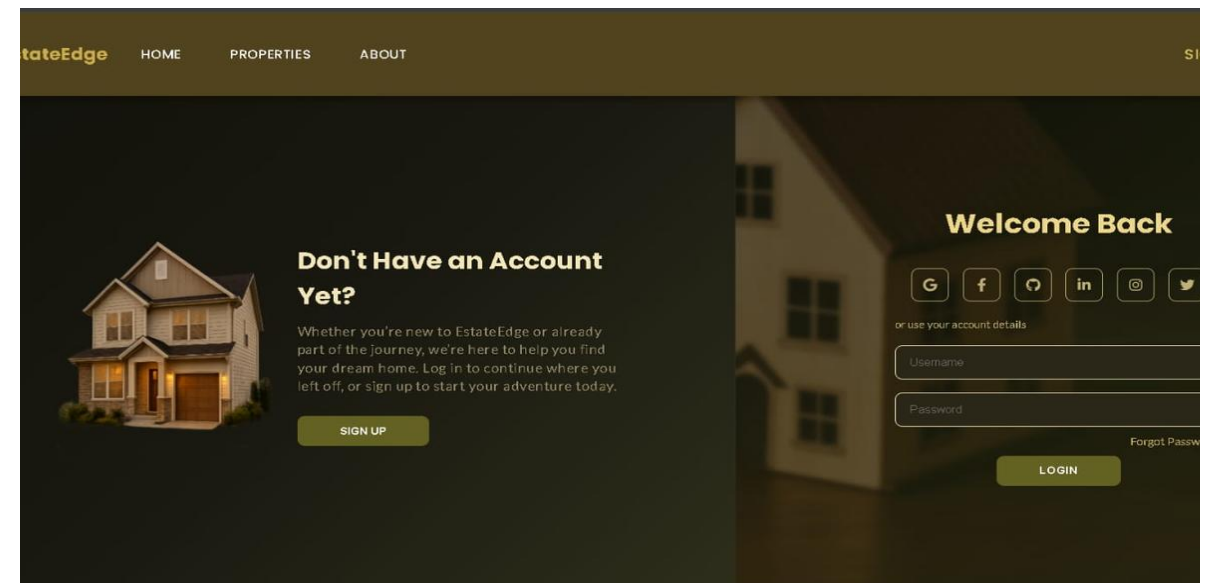
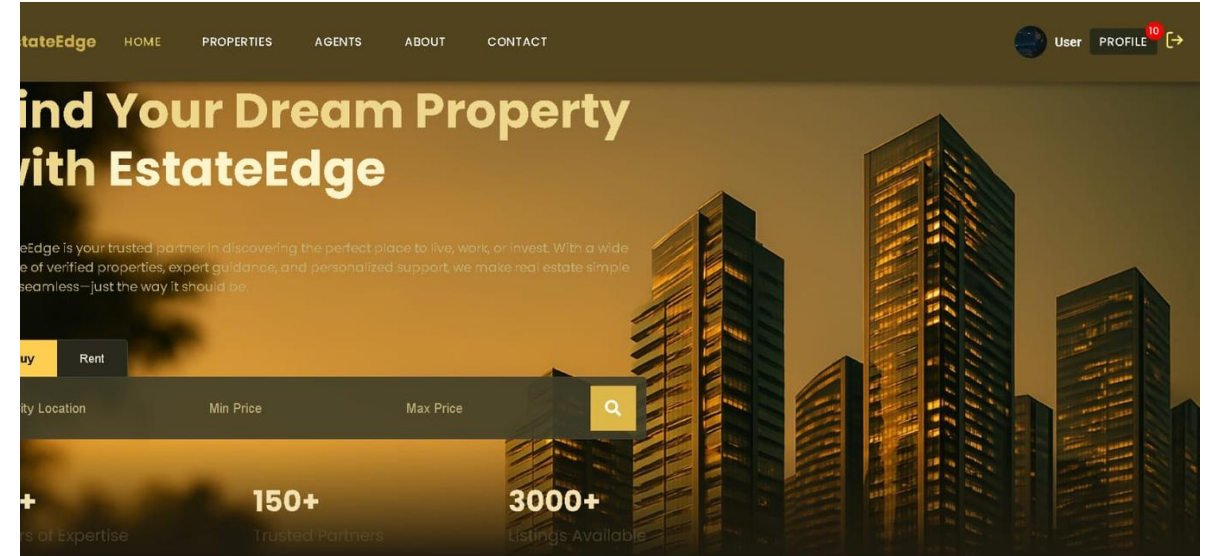
- Primary and Foreign Keys

- Database Design Foundation



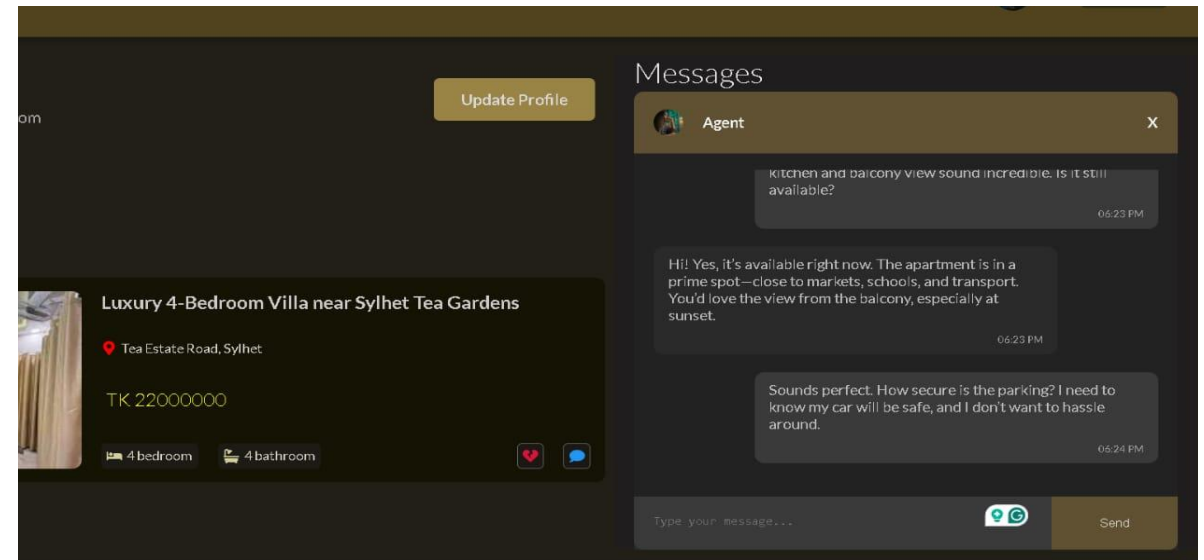
# HomePage and SignUp

- Intuitive Property Search
- Extensive Property List
- Expert guidance & Trusted Partner
- Simplified and Seamless
- Quick and hassle free Sign Up Process
- Convenient Login options



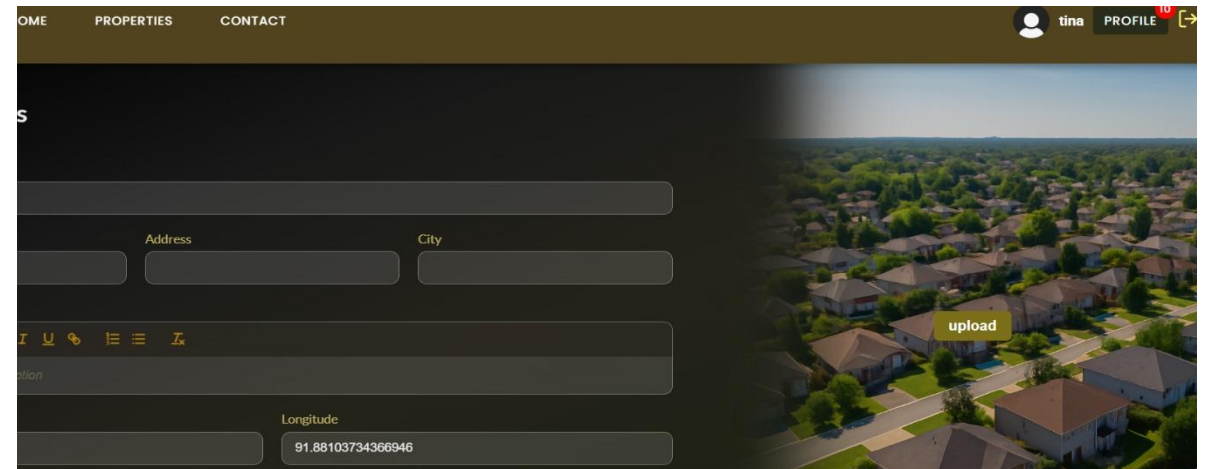
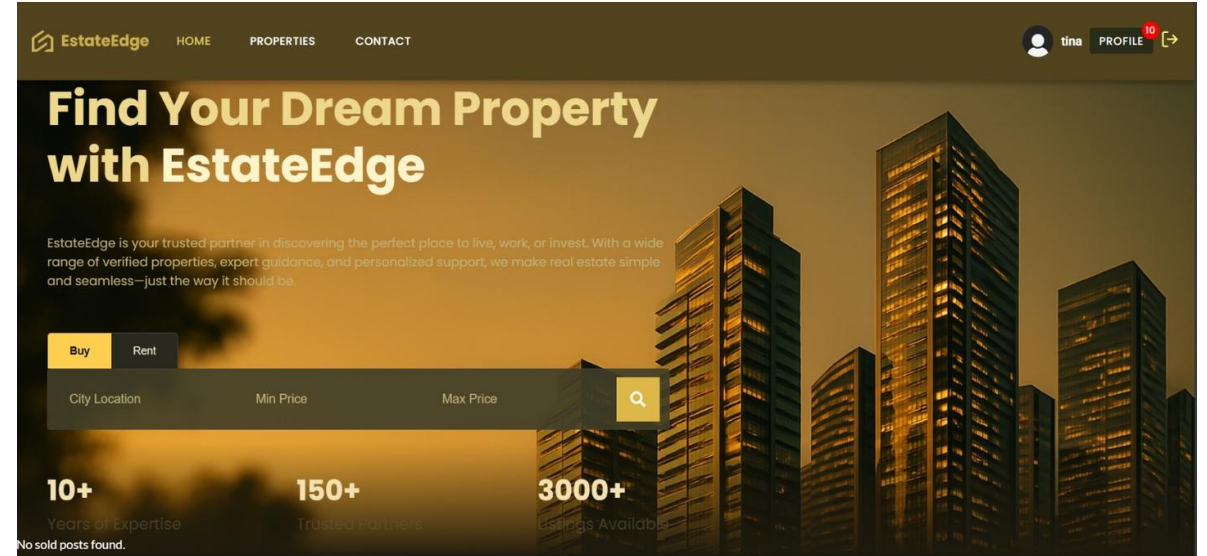
# User Profile

- User Profile Mangement
- My List for saved properties
- Direct Messaging with agents



# Real Estate Agents

- Post properties (subject to admin approval)
- Edit, delete, or mark properties as sold
- Respond to user messages
- Apply for recruitment (admin-level roles)
- Update personal profile
- Contact administrators via email





# Agent Profile


- Agent Profile Mangement
- Direct Messaging with Users
- Update profile informations

The screenshot displays a web application interface for managing an agent's profile. At the top, a dark brown navigation bar contains the links 'HOME', 'PROPERTIES', and 'CONTACT' on the left, and a user profile section on the right with a circular avatar icon, the name 'tina', and a 'PROFILE' button with a red notification badge showing '10'. The main content area has a dark background. On the left side of this area is a profile card for 'tina', a 'real estate agent'. It features a placeholder for a profile picture (a white circle on a dark square with a yellow plus icon) and lists missing information: 'Location not available', 'Phone number not available', 'zelilaxi@cyclelove.cc', and 'No bio available.'. On the right side is the 'Update Details' form. It includes input fields for 'Username' (containing 'tina') and 'Email' (containing 'zelilaxi@cyclelove.cc'). Below these are fields for 'Location' and 'Phone Number'. A 'Bio' section contains a text area with the placeholder 'Write a brief bio about yourself'. At the bottom of the form are 'New Password' and 'Confirm Password' fields, followed by a prominent yellow 'Update' button.

HOME PROPERTIES CONTACT

tina PROFILE 10

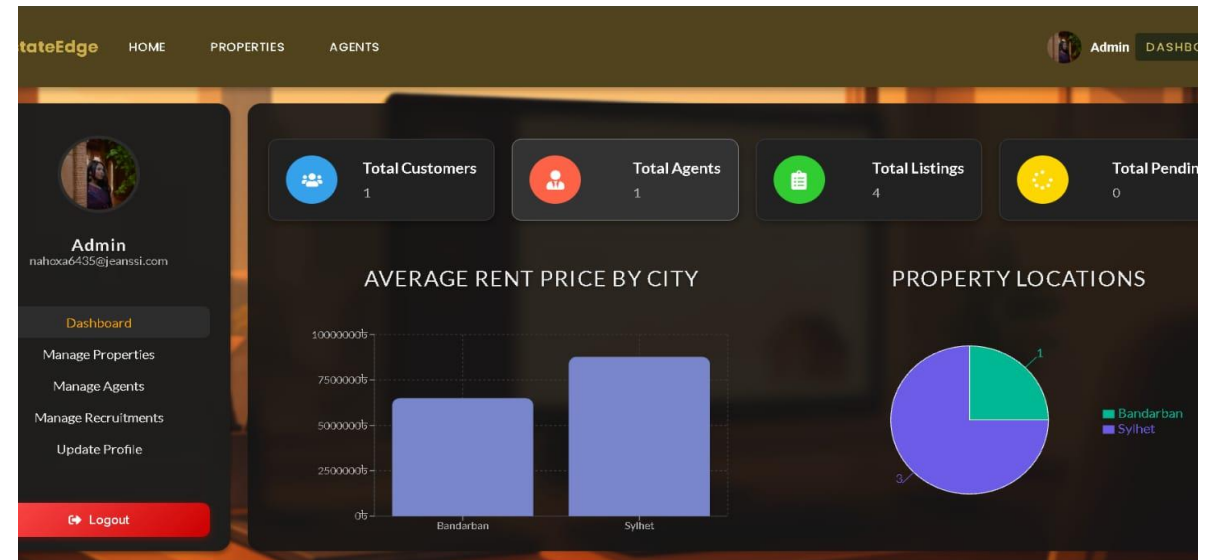
### Update Details

  
**tina**  
real estate agent  
Location not available  
Phone number not available  
zelilaxi@cyclelove.cc  
No bio available.

Username: tina  
Email: zelilaxi@cyclelove.cc  
Location:  
Phone Number:  
Bio: Write a brief bio about yourself  
New Password:  
Confirm Password:  
**Update**


# Admin Control Centre


- Access dynamic dashboard with user, post, and agent insights
- Approve, edit, inactive, or mark any property
- Change agent roles and permissions
- Deactivate or reactivate agents
- Manage recruitment posts and applicant approval




# Efficient Listing Control

- Centralize property list
- Essential Details Display
- Direct action capabilities
- Deactivate or reactivate agents
- Approve | Verify | Edit | Inactive
- Ensuring Data Integrity

 [HOME](#) [PROPERTIES](#) [AGENTS](#)

 Admin [DASHBOARD](#)















**Admin**  
nahoxa6435@jeanrssi.com

[Dashboard](#)  
**[Manage Properties](#)**  
[Manage Agents](#)  
[Manage Recruitments](#)  
[Update Profile](#)

[Logout](#)

### Manage Properties

Sold Properties

Title	Address	Bedrooms	Bathrooms	Price (₹)	Agent	Actions
Land Plot for Sale in South Surma, Sylhet	South Surma, Sylhet	4	4	120000	Agent	  
Affordable 1-Bedroom Condo in Sylhet City Center	Block B, Zindabazar, Sylhet	3	2	4200000	Agent	  
Luxury 4-Bedroom Villa near Sylhet Tea Gardens	Tea Estate Road, Sylhet	4	4	22000000	Agent	  
Cozy 2-Bedroom House in Bandarban	Plot 23, Bandarban Sadar, Bandarban	2	1	6500000	Agent	  



# CONCLUSION

This project demonstrates the successful development of a full-stack real estate web platform that combines user interaction, data management, and administrative control using role-based access. The use of the Rapid Application Development (RAD) model enabled efficient prototyping and continuous iteration. Features like real-time chat, dynamic dashboards, and intelligent support systems contribute to a platform that is both user-friendly and scalable.

A group of five diverse people (three women and two men) are seated around a table in a meeting room, engaged in a discussion. The scene is overlaid with a large, semi-transparent olive-green rectangle. The text "Thank You" is written in white, sans-serif font on the left side of this rectangle. The background shows a modern office environment with large windows and a glass-walled building outside.

Thank You