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Online Real Estate Management System

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Abstract: ***The Real Estate Portal Management System is designed to simplify and digitize property buying and selling processes. Traditional methods rely on manual handling and physical visits, which are time-consuming and inefficient. The proposed system provides a centralized web-based platform where buyers can search properties and sellers can manage listings. The system ensures data accuracy, reduces manual work, and improves communication between buyers and sellers. Admin verification enhances security and reliability. The platform improves accessibility, transparency, and overall efficiency in real estate transactions.***

Keywords: Real Estate Portal, Property Management, Online Property System, Django, Web Application, Buyer-Seller Interaction

I. INTRODUCTION

The rapid growth of the real estate sector has increased the demand for efficient property management systems. Traditional methods involve brokers, paperwork, and physical visits, which consume time and effort. The Real Estate Portal Management System provides a digital solution where users can access property information online. Buyers can search and view properties, while sellers can upload and manage listings. The system also includes admin verification to ensure authenticity. This platform improves convenience, reduces manual work, and enhances user experience.

II. SYSTEM ANALYSIS

A. *Existing System*

Traditional real estate systems depend on manual processes such as agents, phone calls, and paper records. These methods lack transparency and are inefficient in handling large volumes of data. Buyers often face difficulty in finding suitable properties, and sellers struggle to reach a wide audience. There is no centralized system to manage property records, and verification of property details is limited. Communication between buyers and sellers is also slow and unreliable.

B. *Proposed System*

The proposed Real Estate Portal Management System provides a centralized web-based platform that allows buyers and sellers to interact efficiently. Sellers can upload property details, including images and documents, while buyers can search and view listings easily. The system includes an admin module to verify properties before publishing, ensuring data authenticity. It supports secure login, enquiry handling, and response management. This system reduces manual work, improves data accuracy, and enhances overall efficiency and user satisfaction.

III. DEVELOPMENT ENVIRONMENT

A. *Hardware Requirements*

- Processor : Intel i5
- RAM : 8 GB
- Hard Disk : 256 GB

B. *Software Requirements*

- Operating System : Windows
- Frontend : HTML, CSS, JavaScript
- Backend : Python Django
- Database : MySQL
- Tools : VS Code, Web Browser

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IV. MODULE DESCRIPTION

A. Buyer Module

The Buyer Module allows users to search and browse property listings. Buyers can view detailed information about properties, including price, location, and images. They can also send enquiries to sellers for further communication.

B. Seller Module

The Seller Module enables users to add, update, and delete property listings. Sellers can upload property images and documents. They can also respond to buyer enquiries, ensuring smooth communication.

C. Admin Module

The Admin Module manages the entire system. Admin users can verify property listings before publishing, manage users, and monitor system activities. This ensures data accuracy and system security

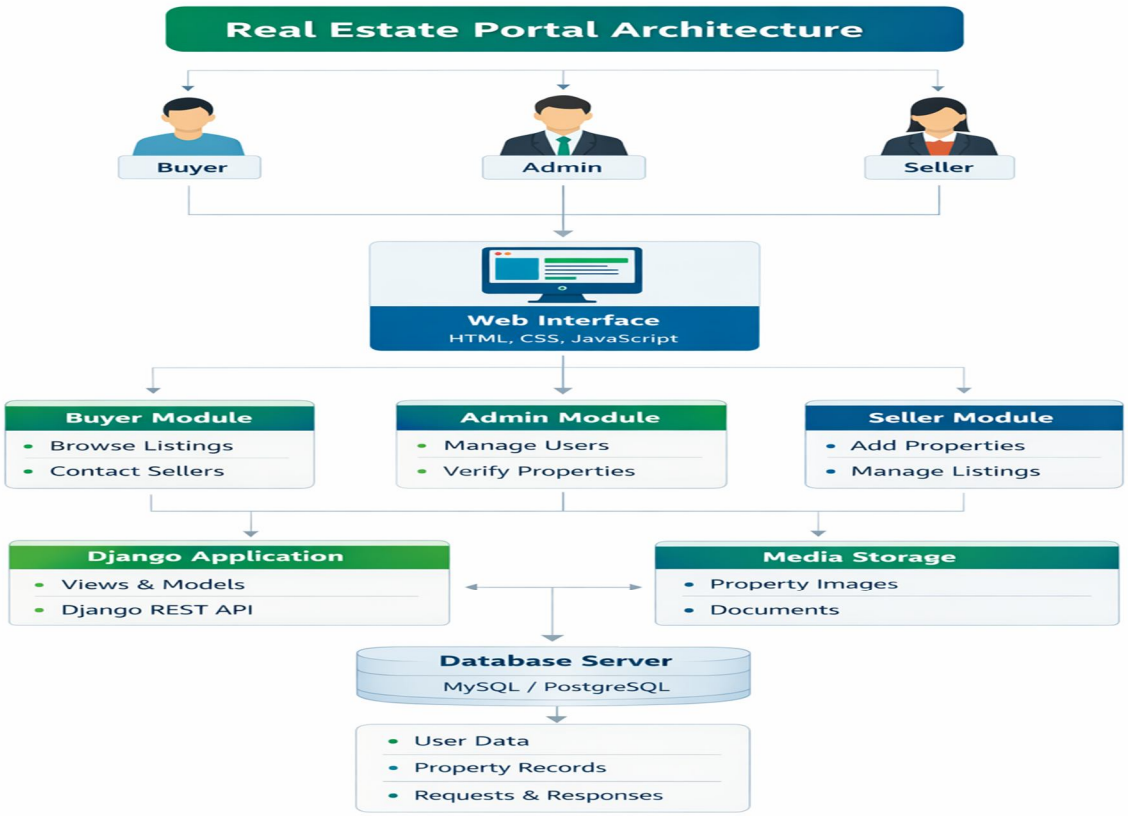
D. Property Management Module

This module handles all property-related data, including property details, images, and documents. It ensures proper storage and retrieval of property information.

E. Request & Respond Module

This module manages communication between buyers and sellers. Buyers send requests, and sellers respond through the system. It ensures structured interaction and proper record keeping.

V. SYSTEM ARCHITECTURE



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VI. CONCLUSION

The Real Estate Portal Management System provides an efficient and reliable platform for managing property transactions. It reduces manual effort, improves data accuracy, and enhances communication between buyers and sellers. The inclusion of admin verification ensures data authenticity and system security. The system is scalable and can be expanded with additional features in the future.

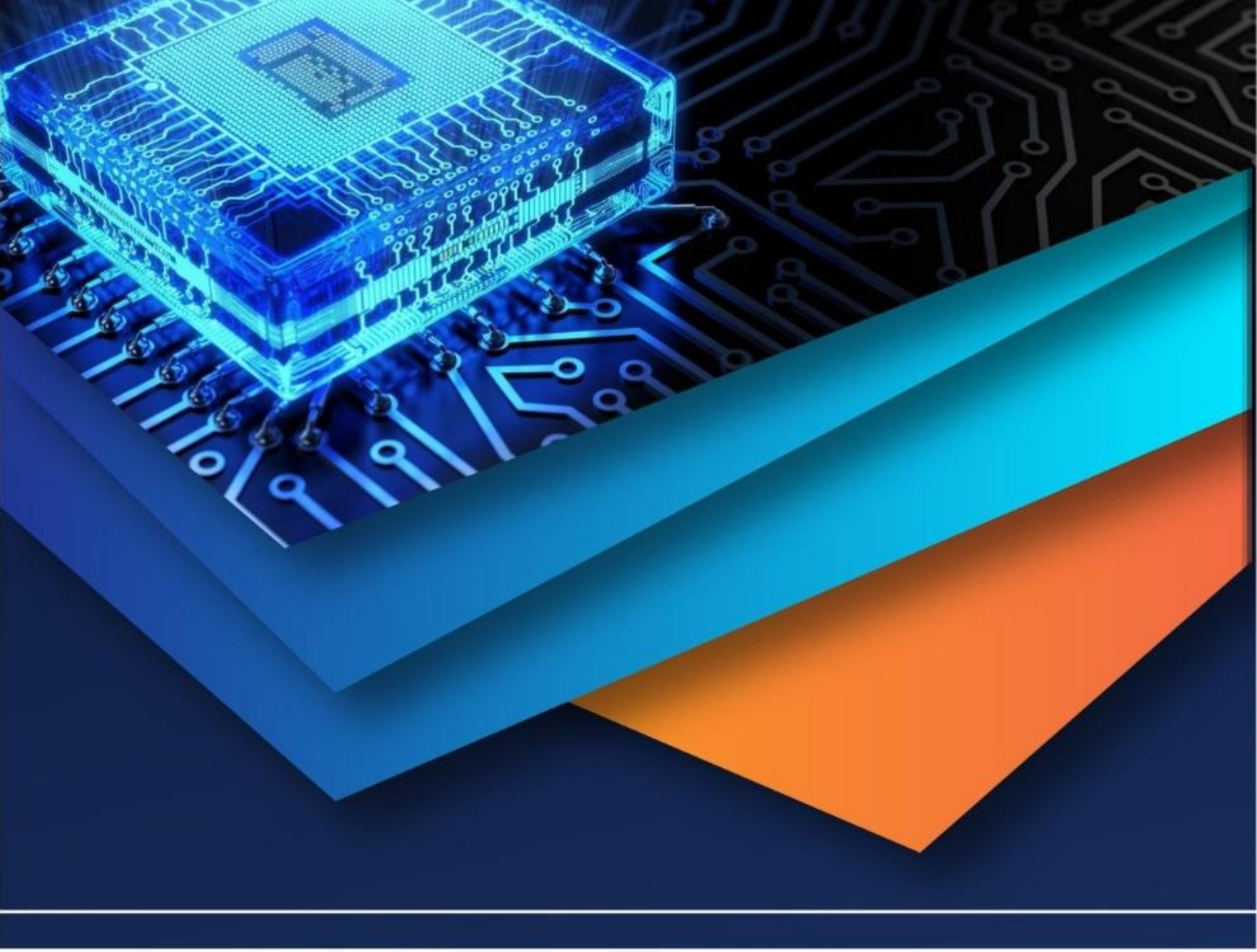
VII. FUTURE ENHANCEMENT

The system can be enhanced by adding mobile application support, online payment integration, advanced search filters, and real-time chat functionality. Integration with cloud storage and map-based property search can further improve usability and user experience.

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