



International Journal of Innovative Research in Science Engineering and Technology (IJIRSET)

(A Monthly, Peer Reviewed, Refereed, Scholarly Indexed, Open Access Journal)



Impact Factor: 8.699

Volume 14, Issue 4, April 2025

Real Estate Portal for Searching and Listing Properties

Shreya Thakur, Ananya Pawar, Suhani Shroff, Vinay Lende, Sonal Tayade, Prof. S. R. Gudadhe

B.E. Student, Department of Computer Science and Engineering, Sipna COET, Amravati, India

B.E. Student, Department of Computer Science and Engineering, Sipna COET, Amravati, India

B.E. Student, Department of Computer Science and Engineering, Sipna COET, Amravati, India

B.E. Student, Department of Computer Science and Engineering, Sipna COET, Amravati, India

B.E. Student, Department of Computer Science and Engineering, Sipna COET, Amravati, India

Assistant Professor, Department of Computer Science and Engineering, Sipna COET, Amravati, India

ABSTRACT: This platform introduces a dynamic web-based system designed to streamline property transactions by unifying the processes of buying, selling, renting, and listing both residential and commercial properties. It addresses common challenges such as fragmented searches, limited agent transparency, and inefficient workflows. Key features include advanced property filters, verified agent profiles with user reviews, and a personalized dashboard for managing listings and communications. Administrators maintain control through a dedicated panel for overseeing users and approvals. The system also supports detailed property submissions with multimedia content and an agent verification mechanism to ensure trust and reliability.

KEYWORDS: Real estate, Property Management, Verified Agent.

I. INTRODUCTION

In this digital era, the real estate sector is undergoing great transformation, moving from the conventional agent-based transactions to online platforms. This project presents an integrated and accessible web-based real estate portal that is meant to streamline the processes involved in purchasing, selling, leasing, and listing residential and commercial properties. It addresses critical shortcomings in existing solutions, such as ineffective search functions, lack of transparency, and minimal direct engagement between buyers and agents within one and easy-to-use digital marketplace.

The platform provides an integrated environment where users can browse real estate listings using sophisticated filtering criteria based on location, type of property, price range, and availability status. A major innovation is the introduction of an agent verification system that promotes transparency and trust by displaying only RERA-registered agents and their credentials as well as user ratings. Additionally, the platform allows property owners and agents to independently upload detailed listings with images and specifications, thus minimizing the need for intermediaries.

The portal enables secure, effective, and well-managed interactions through functionalities like user authentication, customized dashboards, and administrator-controlled listing approvals. Though not processing the financial transactions, the system creates a strong foundation for involvement in the real estate market and generation of leads, serving as an intermediary among parties in the real estate situation.

II. LITERATURE SURVEY

The concept of digital property listing was first explored through platforms such as Zillow and Realtor.com [1]. These systems aggregated property data and provided users with basic filtering tools, but lacked localized agent transparency and advanced interaction mechanisms. MagicBricks and 99acres, popular Indian real estate websites, provided mobile-friendly layouts and map integrations; however, their search engines were often limited to only basic criteria like price and location [2]. A study by Gaikwad et al. To address this, Aparna [3] proposed a full-stack web

application integrating PHP and MySQL for efficient property management, emphasizing responsive interfaces and modularity. Ojesanmi [4] enhanced this approach by suggesting the use of data analytics to improve user-specific recommendations and streamline property discovery.

In [5], the authors designed a real estate trading system that incorporated agent and listing verification to improve trustworthiness. They emphasized user-to-agent communication through embedded inquiry forms. Chandra [6] focused on the future of PropTech and highlighted AI and blockchain as potential enhancements for secure transactions and intelligent suggestions.

The theoretical framework for interface design in this work is inspired by Don Norman's UX principles, which emphasize visibility, feedback, and consistency across the platform [7]. This aligns with the design of a user-friendly dashboard, where functionalities such as search filtering, agent verification, and messaging are made accessible without overwhelming the user.

III. METHODOLOGY

The development of the real estate portal follows the Waterfall Model, a linear and sequential approach of software development. This model makes sure that one phase is finished before the next one starts, offering a systematic approach that is appropriate for projects having well-defined requirements.

The first phase was about collecting detailed requirements to know about the functionalities demanded by different stakeholders such as property buyers, sellers, agents, and managers. The primary functionalities found are property posting and searching features, registration procedures for users and agents, secure authentication processes, administrative approval processes, and in-built utilities such as an instalment calculator.

The developed real estate platform significantly enhances the efficiency of property listings and searches, catering to the requirements of buyers, sellers, and real estate agents. With the integration of secure authentication mechanisms and administrative tracking, the portal maintains data integrity and ensures user trust.

The inclusion of agent profiles with confirmed RERA IDs provides an additional level of dependability, in effect eliminating widespread concerns of genuineness in real estate deals. The instalment calculator serves as a useful tool for potential buyers to determine their financial outlays, thereby improving the decision-making process.

IV. RESULTS

Figures The created real estate platform effectively overcomes the shortcomings of current property websites by providing a more polished and user-centric experience. In general, the system is secure, responsive on devices, and scalable, fulfilling the intended goals and providing a solid base for future development such as AI suggestions and virtual tours.

The figures are given below of the resultant web application:

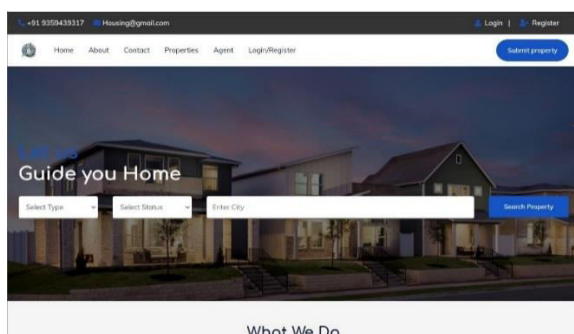


Fig. 1 Home Page

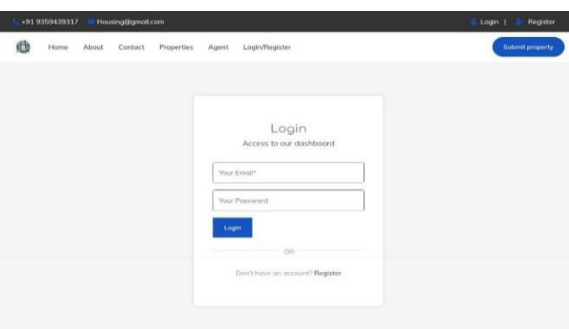


Fig. 2 Login Page

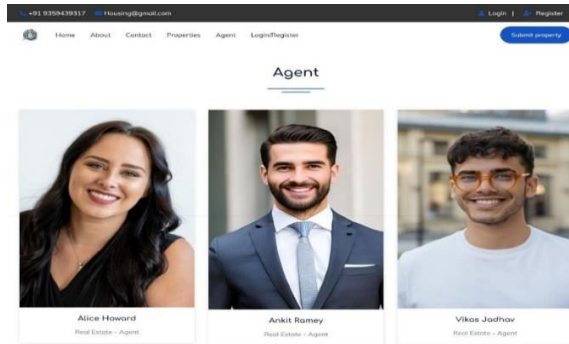


Fig. 3 Agents Profile

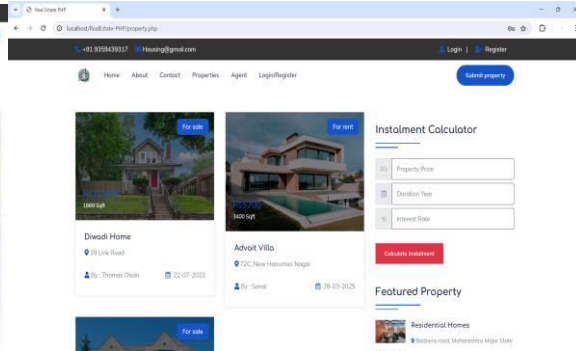


Fig. 4 Listed Properties and Instalment Calculator

V. CONCLUSION

We have designed a website that provides a contemporary, effective solution to problems in property deals through the integration of intelligent search capabilities, open agent profiles, and easy-to-use listing tools. With secure backend processing, responsive design, and interactive communication tools, the system maximizes user experience and trust.

REFERENCES

- [1] Zillow Group, "Zillow: Real Estate, Apartments, Mortgages & Home Values," [Online]. Available: <https://www.zillow.com>.
- [2] MagicBricks, "India's No.1 Property Portal," [Online]. Available: <https://www.magicbricks.com>.
- [3] Aparna, "Full-Stack Real Estate Website Development: A Comprehensive Platform for Seamless Property Search and Management," International Journal of Scientific Research in Engineering and Management (IJSREM), vol. 9, no. 1, pp. 1–9, Jan. 2025.
- [4] O. A. Ojesanmi, "Improving Online Real Estate Management System Using Data Analytics," Journal of Emerging Technologies, vol. 1, no. 1, pp. 75–81, Nov. 2022.
- [5] C. Srichanchai and S. Adsavakulchai, "Trading Package System of Real Estate Consignment," Galaxy International Interdisciplinary Research Journal, vol. 10, no. 2, pp. 713–719, 2022.
- [6] L. Chandra, The PropTech Guide: Everything You Need to Know About the Future of Real Estate, Singapore: Parallax Solutions, 2022.
- [7] D. A. Norman, The Design of Everyday Things, Revised and Expanded Edition, Basic Books, 2013.
- [8] P. S. S. Kumar, "Analysis of PG/Flat Rental Website Developed Using PHP/Xampp with Existing PG/Flat Business/Rental Websites," International Journal of Scientific Research in Computer Science, Engineering and Information Technology, vol. 9, no. 2, pp. 1–6, Apr. 2023.



INTERNATIONAL
STANDARD
SERIAL
NUMBER
INDIA



INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH

IN SCIENCE | ENGINEERING | TECHNOLOGY

 9940 572 462  6381 907 438  ijirset@gmail.com



www.ijirset.com

Scan to save the contact details