Real Estate ERP

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Abstract

The "Real Estate ERP" aims to address issues present in the current manual system. This software is designed to eliminate or reduce the challenges faced by the existing system, ensuring smooth and effective company operations. The application prioritizes minimizing errors during data entry, providing error messages for invalid inputs, and ensuring user-friendliness without requiring formal knowledge. The Real Estate Management System offers an error-free, secure, reliable, and fast management solution, enabling organizations to focus on core activities rather than record-keeping.

Keywords: Enterprise Resource Planning, ERP success factors, ERP performance measurement.

1. INTRODUCTION

Real Estate Medium serves as a comprehensive Start-To-End Process Automation, Management, and Configurable ERP solution for the Real Estate Industry. It provides a virtual platform allowing users to post property-related advertisements on the Internet without incurring expensive fees. Real estate and land represent one of the oldest asset markets, and Real Estate Enterprise Resource Planning (ERP) systems are crucial for streamlining and optimizing various business processes within the industry. ERP (Enterprise Reserve Planning) is a software package that integrates tools necessary for day-to-day business activities. It enables companies to manage and integrate key elements of their business, providing a unified platform for efficient operations, data management, and decision-making.

2. LITERATURE REVIEW

Porter, Michael E. (1998) highlighted the complexity of studying real estate, considering it as a sector rather than a product or service. Mittal Bharat. (2007) emphasized the significant potential demand in various sectors of the Indian real estate. Enterprise resource planning (ERP) platforms play a crucial role in coordinating and managing key elements of operations in organizations. With the evolution of information technology, ERP systems have emerged as vital tools for accounting management, decision-making, and quality management control in complex business circumstances (Dechow and Mouritsen, 2005; Arnold, 2006).

3. METHODOLOGY

The research methodology focused on key ownership experience criteria, capturing quantitative and qualitative information across major components of enterprise applications. This included considering the experiences of both technical staff and end-users, ensuring a comprehensive evaluation. Real Estate ERP involves a systematic approach in the real estate industry for activities like property valuation,

investment analysis, market research, property development, and related processes. The Activity UML Diagram illustrates flows between HR, accounts, inventory, sales, marketing, operations, and projects. This is the **Activity UML Diagram of Real Estate ERP** which shows the flows between the activity of HR, accounts, inventory, sales, marketing, operations, projects. The main activity involved in this UML Activity Diagram of Real Estate ERP are as follows:

- HR Activity
- Finance Activity
- Inventory Activity
- Sales &Marketing Activity
- Operations
- Project Activity
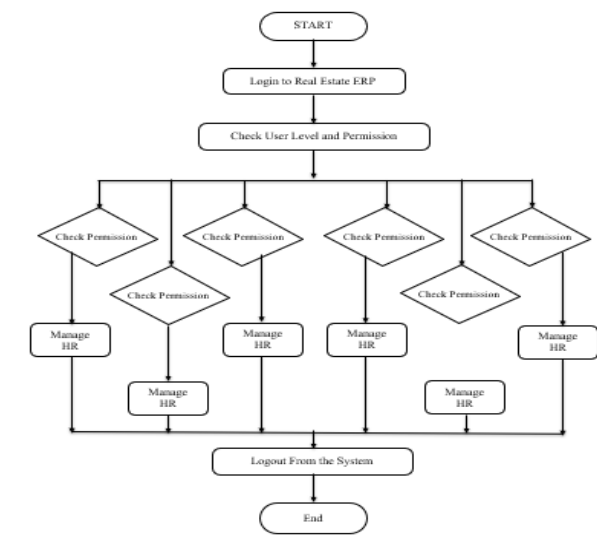
Features of the Activity UML Diagram of Real Estate ERP:

- Admin user can search and view detailing information of employees with their designation.
- User will be able to search and generate report of Employees, Sales, Accounts and Project.
- It shows the full description and flow of Employee, Sales, Accounts, Projects.
- All objects are interlinked.
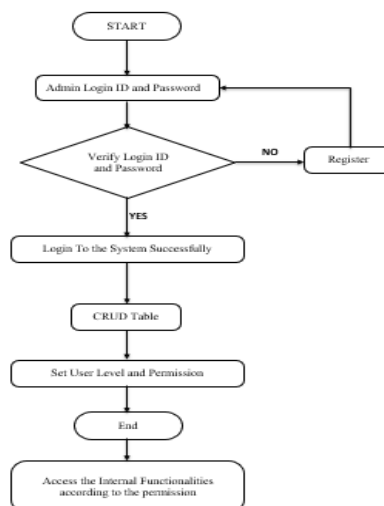
This is the **Login Activity Diagram of Real Estate ERP,** which shows the flows of Login Activity, where admin will be able to login using their username and password. After login user can manage all the operations on HR, Accounts & Finance, Inventory, Sales & Marketing, Operations, Projects.

4. CASE STUDY

Creating a detailed case study for a real estate system involves understanding the specific context, challenges, and goals of the project.

Current real estate operations often rely on disparate software systems, spreadsheets, and manual processes. This leads to fragmented data, data duplication, and inconsistencies across different departments and functions. The absence of a unified system results in inefficient workflows. Critical processes such as property listing, sales, leasing, property management, accounting, and customer relationship management are often siloed, leading to delays and errors. problem statement. ERP software provides end-to-end business support for both pre-and post-project completion, like marketing, sales, and finances.

5. CONCLUSION

Real Estate ERP systems have proven transformative in the dynamic real estate industry, offering essential tools for modern enterprises. These systems provide a centralized repository for data, enabling accurate information management, streamlined workflows, and effective collaboration. In an era where data-driven insights and operational efficiency are crucial, real estate ERP systems empower enterprises to stay competitive and agile.

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