SOLUTION PROPOSAL

Project: Real Estate Management System (REMS)

1. Introduction

This solution proposal outlines the recommended approach to address the identified business problems in the Real Estate Management System. The proposed solution aims to improve efficiency, transparency, and user experience for all stakeholders.

2. Proposed Solution Overview

The Real Estate Management System will be developed as a web-based application that enables users to search, list, and manage properties digitally. The system will centralize property information and automate manual processes involved in property management.

3. Key Solution Components

3.1 User Management

- User registration and login functionality

- Role-based access (User, Agent, Admin)

- Secure authentication and authorization

3.2 Property Management

- Create, update, and delete property listings

- Upload property details such as location, price, and images

- Assign properties to agents

3.3 Search and Filtering

- Search properties by location, price range, and property type

- Filter results based on user preferences.

3.4 Inquiry and Booking Management

- Users can send inquiries for properties

- Track inquiry status (Pending, Approved, Rejected)

- Admin or Agent can respond to inquiries

3.5 Admin Dashboard

- View and manage users, properties, and inquiries

- Approve or reject property listings

- Monitor system activity

4. Technology Stack

- **Frontend:** HTML, CSS, JavaScript

- **Backend:** PHP / Node.js

- **Database:** MySQL

- **Tools:** Jira

5. Benefits of the Proposed Solution

- Reduced manual work and paperwork

- Faster property search and inquiry process

- Improved data accuracy and transparency

- Better user experience and operational efficiency

6. Assumptions

- Users have basic internet access

- The system will be accessed through web browsers

- Initial version supports core real estate operations

7. Conclusion

The proposed solution provides a scalable and efficient platform for managing real estate operations. It aligns with business objectives and enhances overall system usability, making it suitable for future expansion.