RIPHAH INTERNATIONAL UNIVERSITY

V: 1.0

Project Proposal
Real-Estate Web Platform

Prepared BY:

Abrar Ali   (Sap ID: 55843)
Ghazanfar Pasha   (Sap ID: 55590)
Haroon Abbas   (Sap ID: 55780)
Saad Ali   (Sap ID: 56673)

Proposed To:

Muhammad Islam

Date: August 30, 2025
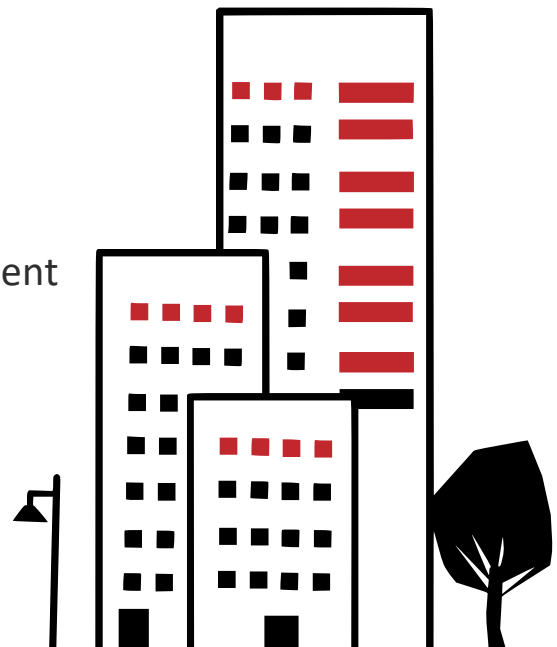Subject: Software Construction and Development

Table of Contents

1. Project Introduction

This is a real estate web platform where users can buy, sell, and bid on properties. It offers three types of property sections:

1. **General Marketplace** – Open listings where buyers and sellers deal at their own risk.
2. **Verified Properties** – Sellers upload ownership documents. Admin verifies and approves listings. These are safer and tracked.
3. **Bidding Section** – Properties listed with a starting price and deadline. Buyers place bids. Highest bidder wins after deadline.

The platform includes user roles (**Admin, Seller, Buyer**), guest access, chat system, and admin-controlled verification to reduce scams.

2. Stakeholders

- **Admin** – Manages users, listings, documents, and platform safety.
- **Seller** – Posts properties, uploads documents, and chats with buyers.
- **Buyer** – Searches, filters, bids, and chats with sellers.
- **Guest User** – Can view listings but cannot interact or post.

3. Functional Requirements

3.1 Authentication & Roles

- Users should be able to register and log in as Seller, Buyer, or Admin.
- Guest users should be able to view listings without login.
- Admin should be able to manage all users and their actions.

3.2 Property Management

- Sellers should be able to add, edit, and delete property listings.
- Admin should be able to approve or reject listings.
- Users should be able to search and filter listings by location, price, type, and verification status.

3.3 Verified Listings

- Sellers should be able to upload ownership documents.
- Admin should be able to verify documents and assign a "Verified" badge.
- Verified listings should be tracked and protected by admin.

3.4 Bidding Section

- Sellers should be able to list properties for bidding with a starting price and end date.
- Buyers should be able to place bids before the deadline.
- Admin should be able to monitor and finalize bidding results.

3.5 Chat System

- Buyers and sellers should be able to chat within the platform.
- Admin should be able to track and moderate chat activity.

3.6 Notifications

- Users should receive alerts for listing approvals, bid updates, and chat messages.

3.7 Dashboard

- Each user role should have a dashboard to manage their actions (listings, bids, chats, etc.).
- Admin dashboard should show reports, user activity, and system status.