Government College University Faisalabad.

Government Islamia Graduate College, Sargodha Road,
Faisalabad.
Department of Computer Science

"PROJECT PROPOSAL"

Date: 6/5/2025

Project Code: CSI – 631
Course Title: Project
Credit Hours: 6 (0-6)

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Project Title:

Smart Property Classified Website (for Buying, Selling & Renting Real Estate)

Project Introduction and Scope:

This project aims to develop a smart and user-friendly property classified website where users can easily buy, sell, or rent properties such as houses, shops, flats, and plots. The platform will enable users to post property ads, browse listings with filters, and directly contact property owners or agents.

The focus is on making property transactions faster, safer, and more reliable, especially for local users. The website will be responsive (mobile-friendly), secure, and easy to navigate, ensuring a smooth and trustworthy experience for all users.

Users of the System:

1. **Buyers**: Can search filtered properties by area using Google Maps integration, request visits, and contact sellers directly via WhatsApp.

2. **Sellers**: Can upload property details, images, CNIC, and other documents, and request admin approval before ads go live.

3. **Admin**: Can review all requests, verify user authenticity, and approve or reject property listings with valid reasons.

Scope of the Project:

Functional Scope:

- Property listings with category selection (e.g., house, flat, shop)
- Sale or rent options

- User dashboards for buyer, seller, and admin
- Form submission for property details with image uploads
- Admin panel for request management and approval system

Security & Verification Features:

- Upload and store CNIC and personal photos
- Admin-based manual approval process
- Rejection system with reason messaging to seller

Tools and Technologies to be used:

Frontend:
HTML5, CSS3, JavaScript, Bootstrap will be used to design a responsive and interactive user interface.

Backend:
PHP will handle server-side logic, form processing, and data communication with the database.

Database:
MySQL will be used to store user data, property listings, and other dynamic content securely.

Other Tools:
Google Maps API will show property locations; AJAX will enable smooth page interactions; Email API will send alerts and notifications.

Features:

Existing Feature	Proposed Feature
● **User Registration & Login System**	● Smart **Search filters** (by price, location, property type, size, etc.)
● **Add Property Listings**	● **User dashboard** to manage ads, profile, and saved listings
● **View Property Listings**	● **Chat system** for direct communication with sellers/agents
● **Basic Search Functionality**	● **Mobile responsive design**
● **Static Contact Information**	● **Admin panel** to manage users, listings, and reported ads
● **Responsive Web Design (Basic)**	● **Verified badges** for trusted agents or sellers
● **Basic Admin Controls**	● **Save/bookmark favorite properties**
● **Image Upload Option**	● **User ratings and reviews** for listings or agents
● **Basic Listing Categories (Rent, Sale, Plot, House)**	● **Property Comparison Tool** to compare multiple listings

● **User Profile Management (edit name, email, etc.)**	● **Document Upload & Verification System** (e.g. CNIC, ownership)
● **Property Detail Page (with images, price, and description)**	● **Email Alerts / Push Notifications** when new relevant listings are added
● **Logout Option**	● **Video Tour Option** for each property
● **Property Listing Expiry**	● **Referral/Reward System** for bringing new users or deals

To be filled in by the Head of Department

Remarks:

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    Coordinator   **Head of Department**