1. Research and Analysis

1.1 Understanding Similar Projects

To ensure the project aligns with real-world needs, two similar systems were analyzed:

1. Bina.az (Real Estate Marketplace):
   - Strengths: Offers detailed property listings, advanced search filters, and a user-friendly interface.
   - Weaknesses: Limited interaction features like direct appointment scheduling or property management by users.
   - User Base: Individuals searching for properties to rent or buy.
2. YENIEMLAK.AZ:
   - Strengths: Comprehensive property details
   - Weaknesses: Overwhelming interface for new users.
   - User Base: Buyers, renters, and real estate agents.

1.2 Research-Based Goal Definition

Based on the analysis, the goals for this project were defined:

- Provide Basic Features: Users can create accounts, manage properties, and schedule appointments.
- Simplify User Interaction: A minimalistic and intuitive interface for non-technical users.
- Fill the Gaps: Add features like appointment scheduling, which are often overlooked in larger systems.

2. Target Audience Identification

2.1 Clarity of User Identification

The system is designed for:

- Real Estate Agents: To list, manage, and edit properties.
- Potential Buyers/Renters: To search, filter, and schedule appointments for property visits.
- Property Owners: To upload and showcase their properties for sale or rent.

2.2 Relevance to User Needs

The system aligns with user needs through:

- A simple login/signup feature to securely access accounts.
- Options to list properties with detailed descriptions.
- Filters for finding properties by type, condition, price, or address.
- Appointment scheduling to simplify property visits.
- An intuitive profile management panel to handle properties easily.

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3. Project Design

3.1 Form Design

The design ensures:

- Database Integration: A static database stores users, properties, and appointments.
- Clear Structure: Panels for login, signup, property listings, appointment scheduling, and profile management.
- Data Table Representation: Properties and appointments are displayed using `DataGridView` controls for clarity.

3.2 Creativity and Innovation

The project emphasizes:

- A clean and user-friendly interface designed for quick navigation.
- Innovative features like integrated appointment scheduling.
- Flexibility for users to add, edit, or delete property listings directly.

Features Summary

Login/Signup:

- Secure user authentication to ensure data privacy.

List Properties:

- Users can view properties with details like:
    - Address
    - Type (House or Land)
    - Condition (Good or Bad)
    - Price
    - Date of Addition

Search Filter:

- Filters for property type, condition, and price range.

Profile Management:

- Allows adding, editing, or deleting properties from the user's profile.

Appointment Scheduling:

- Users can schedule property visits by selecting a date and time.

Conclusion

This system is designed to bridge the gap between property seekers and real estate providers. Its user-centric features make property management and interaction efficient and straightforward. The analysis of similar platforms has helped refine its goals, ensuring that it meets the expectations of its target audience.