

Please note that the red text is not final and may change based on our discussion regarding this feature.

# APARTMENT MANAGEMENT SYSTEM

## USER APPLICATION

### LOGIN/REGISTER WINDOW

- User login
  - **LOGIN WINDOW**
  - Username, password, reset password
- Register
  - **REGISTER WINDOW**
  - User image (JPG, PNG)
  - Basic information (Name, Age, Address, Gender, Contact number, Email)
  - User credentials (Username, Password)

### MAIN WINDOW

- **VIEW AVAILABLE APARTMENTS**
  - Display a list of apartments with information like location, size, number of rooms, amenities, and rent price.
  - Include filters (e.g., price range, number of rooms, furnished/unfurnished) to help users find suitable apartments.
- **APARTMENT DETAILS**
  - When a user clicks on an apartment, they can view more detailed information, such as:
    - Apartment description
    - High-quality images
    - Nearby facilities (schools, shops, etc.)
    - Terms of lease (pet policies)
- **MAKE RESERVATION REQUEST**
  - Allow users to submit a reservation request if they're interested in a particular apartment.
    - Option to select move-in date
  - Add an option to message the manager or request a viewing.
- **RENTAL APPLICATION STATUS**
  - A section where users can check the status of their application/reservation.
  - Update on pending/approved/declined status with notifications.
- **PROFILE MANAGEMENT**
  - Update personal information, contact details, and user credentials (username, password).
  - Upload or update their profile picture if needed.
- **RENT PAYMENT**
  - Balance, payment history

- **CONTACT SUPPORT/MANAGER**
  - A contact form or **direct message feature** to reach the manager/admin for inquiries.
- **FEEDBACK**
  - Option to leave feedback or rate apartments they've rented, which can help future renters.
- **NOTIFICATION**
  - Display notifications for new messages, updates on application status, payment reminders, or promotions.

## ADMIN/MANAGER APPLICATION

### SAME APPLICATION TO THE USER

#### LOGIN WINDOW

- Admin login
  - **LOGIN WINDOW**
  - adminID
  - password

#### MAIN WINDOW

- **DASHBOARD OVERVIEW**
  - **total apartments available, pending reservations, and recent payments.**
  - **Graphs or statistics on apartment occupancy, revenue trends.**
- **MANAGE APARTMENTS**
  - **Apartment Listings:** View a list of all apartments with their details (location, size, number of rooms, amenities, and rent price).
  - **Add/Edit/Remove Apartments:** Allow the manager to add new apartments, edit existing details, upload images, or remove listings as needed.
  - **Apartment Availability:** Toggle apartments between available and unavailable based on status.
- **RESERVATION REQUEST**
  - **View and Manage Requests:** See all incoming reservation requests.
  - **Approve/Decline Requests:** Approve or decline requests with an option to send a custom message to the customer.
- **TENANT MANAGEMENT**
  - **View Tenants:** See a list of current tenants, their apartment details.
- **PAYMENT MANAGEMENT**
  - **View Payments:** Access a list of recent and past payments made by tenants.
  - **Generate Invoices:** Generate and send invoices for rental payments.

- **Payment History:** View each tenant's payment history, including missed or late payments.
- **NOTIFICATION AND ALERTS**
  - Display important notifications for new reservation requests, pending approvals, payment reminders, or maintenance alerts.
  - Send notifications to tenants for updates on application status, upcoming payments, or maintenance schedules.
- **REPORTS AND ANALYTICS**
  - Download or print reports for business records or analysis.
- **SUPPORT/MAINTENANCE REQUEST**
  - Manage maintenance requests submitted by tenants.

**SAMPLE APPLICATION: side bar type**

