

# Rent App - Paper Work

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## 1 Key Objectives

- ✧ Allow **Users & Brokers** to list properties (Rent/Lease/Buy/Sell).
  - ✧ Enable **Users** to browse, book, and pay for properties.
  - ✧ **Admin** oversees compliance, disputes, and user verification.
  - ✧ Secure **payment processing via RazorPay**.
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## 2. System Overview

### 2.1 User Roles & Permissions

Role	Permissions
Admin	- Verify users/brokers.
	- Resolve disputes.
	- Manage app settings.
Broker	- Add/manage property listings (Rent/Sell/Lease).
	- Communicate with users.
User	- Browse properties.
	- Book/pay for properties.

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## 2.2 Core Features

### Property Management

**Listing Types:** Rent, Lease, Buy, Sell.

**Details:** Price, location, amenities, photos, videos, virtual tours.

**Broker/User Listings:** Both can add properties (with admin approval for brokers).

### Booking & Payments

**Booking System:** Users can reserve properties (with deposit).

**RazorPay Integration:** Secure payments for rent, deposits, or purchases.

**Payment Records:** Transaction history for users/brokers.

### Admin Controls

**User Verification** (KYC for brokers).

**Fraud Detection** (flagged listings/reviews).

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## 3. Technical Requirements

### 3.1 Tech Stack

**Frontend:** React Native (Mobile) + React.js (Web).

**Backend:** Node.js.

**Database:** MySQL.

**Payment Gateway:** RazorPay API.

## 3.2 Key Integrations

**RazorPay** (Payments).

**Google Maps** (Location services).

**Twilio** (SMS notifications).

**AWS S3** (Image storage).

## 3.3 Security

**Data Encryption:** SSL/TLS for transactions.

**User Auth:** JWT + OTP verification.

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# 4. Workflow

## 4.1 Property Listing Flow

**Broker/User** submits property (Rent/Lease/Buy/Sell).

**Admin** approves listing (optional for users, mandatory for brokers).

Property goes live → Users can browse/book.

## 4.2 Booking & Payment Flow

**User** selects property → Books & pays via RazorPay.

**Broker/Admin** notified → Confirms booking.

**Lease/Sale Agreement** signed digitally.

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## 5. Legal & Compliance

**Property Laws:** Local regulations for rentals/sales.

**RazorPay Terms:** PCI-DSS compliance for payments.

**User Agreements:** Terms for brokers/users.

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## 7. Development Timeline

Phase	Tasks	Duration
MVP	Basic listings, bookings, RazorPay.	3 months around
V2	Admin panel, broker verification.	2 months around

