🔁 1. USER FLOWS — Step-by-Step

👤 RENTER FLOW

mathematica
CopyEdit
Splash → Onboarding → Email OTP Login → Home (Listings) →
Filter/Search → List/Map Toggle → Property Detail → Save →
Chat with Owner → Notifications → Profile → Logout

Key Stages:

1. Onboarding

- Short carousel highlighting benefits: Verified rentals, map view, direct chat.
- Skip or Continue → takes user to login.

2. Login (Email OTP)

- User enters email → receives OTP → enters OTP
- Supabase creates session, stores role: renter in DB

3. Home (Listing Feed)

- Featured listings
- Filter bar (location, price, BHK, furnishing)
- Toggle: Map ↔ List view

4. Listing Interaction

- Tap listing → open detail screen
- View photos, amenities, owner name
- "Save" icon (heart) to bookmark
- "Message Owner" → opens in-app chat

5. Notifications

- Push notifications when saved searches match
- New message notifications from owners

6. Profile

- View/edit personal info
- View saved listings
- Subscription status (if applicable)

👨‍💼 OWNER FLOW

pgsql
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Splash → Email OTP Login → Owner Dashboard →
Post Listing → View Listings → Boost Listing → View Inquiries →
Chat → View Metrics → Edit/Delete → Logout

1. Login

- Email + OTP via Supabase
- On first login, user is asked: "Are you a Renter or Property Owner?"
- Role owner is saved in DB

2. Post Listing

- Form: Title, Address (map picker), Rent, BHK, Amenities, Description
- Upload photos (Supabase Storage)
- Save → listing goes live in feed

3. Manage Listings

- Owner sees their posted properties
- Buttons: Edit, Delete, Promote

4. Promote Listing

- Click "Promote" → Razorpay/Stripe popup
- On payment success → mark as is_premium: true
- Premium listings show first or with "Premium" badge

5. Chat & Inquiries

- Inbox view: All active conversations
- Tap → Open message thread
- Can reply directly to renters

6. Metrics

- See number of views per listing
- See total inquiries per listing

🕴️ BROKER FLOW (Optional Role)

Same as Owner, but can:

- Post multiple listings across regions
- Add team members (future scope)
- View performance across all listings

Field: role: broker
 Extra fields: business name, license (optional KYC)

🕵️ ADMIN FLOW

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Admin Login → Dashboard →
Moderate Listings → View Users →

Analytics & Reports → Approve/Kick Users → Logout

1. Login

- Password + Email only (no OTP)
- Limited access based on role: role: admin

2. Dashboard

- Total listings, daily active users, flagged content
- Quick stats: messages, listing upgrades

3. Listing Moderation

- Flagged listings or spam detection
- Approve, Remove, Ban User

4. User Management

- View by role: renter, owner, broker
- Reset access, deactivate, send messages

5. Analytics

- Graphs: daily signups, premium purchases, messages per user
- Export reports

🧱 2. FEATURE BREAKDOWN (DEEP)

📑 AUTHENTICATION

- Supabase OTP-based auth for renters/owners
- Separate password-based login for admin

- Role stored in users table (renter, owner, broker, admin)
- Row-Level Security (RLS) ensures access is scoped per role

🔍 SEARCH + FILTER

- Inputs: location (autocomplete), rent range, type (1BHK, 2BHK), furnishing, amenities
- Real-time filtering (SQL LIKE + range queries)
- Infinite scroll or pagination

🗺️ MAP VIEW

- Mapbox/Google Maps integration
- Each property = marker
- Click → card preview → full detail
- User geolocation support to show nearby listings

🏠 POST PROPERTY

- Fields: title, rent, address (autocomplete), BHK, description, photos
- Photos: uploaded to Supabase storage
- Owner tied to listing via owner_id field
- Status: pending / live / premium

💬 CHAT

- Real-time with Supabase Realtime or Stream
- Message schema: sender_id, receiver_id, listing_id, timestamp
- Threaded inbox per user
- Only owner and renter who interacted can chat

📊 LISTING ANALYTICS

- Each listing tracks:
    - Views count (triggered on property detail view)
    - Chats initiated
    - Promotion status (is_premium)

💎 BOOST / PREMIUM

- One-time purchase via Stripe or Razorpay
- Highlighted in UI
- Rank higher in search/feed
- Stored in DB: is_premium: true, payment_id, payment_status

📲 PUSH NOTIFICATIONS

- Expo Notifications for mobile
- Firebase or PostHog for event tracking
- Triggers:
    - New chat
    - New property match
    - Promo offers or reminders

🎯 3. ROLE FLOW MAPPING (SUMMARY TABLE)

Action	Renter	Owner	Broker	Admin
Login OTP	✅	✅	✅	❌
Login Password	❌	❌	❌	✅
Post Listing	❌	✅	✅	✅

Search Listings	✅	✅	✅	✅
Promote Listings	❌	✅	✅	✅
Chat	✅	✅	✅	✅
See Metrics	❌	✅	✅	✅
Manage Users	❌	❌	❌	✅
Flag Listings	❌	❌	❌	✅
Run Reports	❌	❌	❌	✅

📐 4. OPTIONAL EXTENSIONS (FOR SCALE-UP)

☑ Verified Badge (KYC)

- Owner uploads Aadhaar, Utility Bill, or Lease Doc
- Admin approves → is_verified = true
- Verified badge shown on listings

🤖 AI Search Assistant

- Natural Language: "2BHK under 20k near Andheri"
- Parsed into filter params → show listings
- Optional upsell to premium renters

🧾 Rental Agreement Generator

- Owner selects template
- Inputs: names, address, rent, duration
- PDF generated + e-sign option
- Monetized via Stripe (in-app doc fee)

☑ Subscription Tier

- Renter gets early access, AI search, saved alerts
- Owner sees who viewed listings, unlimited chat