
KORA REAL ESTATE APP

Objective:

To create a real estate app tailored for the Nigerian market, combining ease of use, advanced filters, and secure blockchain-based smart contracts for property transactions.

User Experience Flow

1. Sign-Up/Onboarding:

- **Sign-Up Page:** Users create an account using their email, phone number, or social media (Google/Facebook). Multi-factor authentication (via OTP or email verification) is implemented for security.
- **Onboarding Questionnaire:** After signing up, users answer a series of preference-based questions to personalize their experience.

Questions include:

- Preferred location(s).
- Price range.
- Property type (e.g., apartment, house, shared living).
- Number of bedrooms.
- Features such as pets allowed, parking availability, and furnished/unfurnished options.

2. Home Page (Find Homes):

- **Map View:** Upon logging in, users land on a map displaying properties matching their preferences as pins. Clicking a pin displays a mini-popup with property details and a link to the full property page.
- **Search Bar:** A persistent search bar at the top allows users to update or refine filters (e.g., change location, adjust price range).
- **Navbar Options:**
 - **Find Homes:** Current page with the map and search functionality.
 - **Feed:** Personalized home suggestions based on filters and user behavior.
 - **Favorites:** Properties the user has saved (starred).
 - **My Kora:** A user dashboard with personal settings and activity logs.

3. **Feed (Recommended Homes):**

- Automatically populated with properties based on:
 - Filter preferences from the onboarding questionnaire.
 - Properties the user has favorited or viewed.
 - Similar listings to recently interacted homes.

4. **Favorites:**

- Displays all user-saved properties in a list or grid view.
- Includes actions like sharing the listing, scheduling a viewing, or contacting the seller.

5. **My Kora (Profile Page):**

- A hub for managing personal activity and settings, including:
 - **Recently Viewed Homes:** Quick access to previously explored properties.

- **Saved Searches:** Users can save filter combinations for quick reuse.
 - **Favorites:** A consolidated list of saved properties.
 - **Payment History:** Details of completed transactions via blockchain smart contracts.
 - **Scheduled Viewings:** Upcoming property viewings and meeting schedules.
 - **Profile Settings:**
 - Personal information (name, email, phone number).
 - Linked blockchain wallet for transactions.
 - Notification preferences (email, SMS, app notifications).
 - Login & security settings (password reset, two-factor authentication).
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Functional Requirements

Sign-Up/Onboarding

- Users must provide email, phone number, or social media credentials.
- Multi-factor authentication to enhance security.
- Capture user preferences during onboarding to personalize the experience.

Home Page

- Display properties on an interactive map view.
- Allow users to search and refine properties using the search bar and filters.
- Provide filter options:

- Location.
- Price range.
- Property type.
- Bedrooms.
- Features like pets allowed, parking, furnished status.

Feed

- Dynamically populate recommended homes based on user activity:
 - Filters selected during onboarding or updated via the search bar.
 - History of viewed or favorited properties.
 - Algorithmic suggestions (e.g., “If you liked X property, you might like Y”).

Favorites

- Users can "star" properties to save them to their favorites.
- Allow users to view, share, and schedule viewings for saved properties.

My Kora (Profile)

- **Recently Viewed Homes:** Display a chronological list of recently explored properties.
- **Saved Searches:** Provide a mechanism for users to save and manage their search preferences.
- **Payment History:** Show completed transactions, including timestamps and property details, leveraging blockchain for immutability.
- **Linked Blockchain Wallet:**

- Connect to Ethereum or Binance Smart Chain wallets for seamless transactions.
 - Enable smart contract-based escrow payments for buying, renting, and mortgage processing.
 - **Scheduled Viewings:** Display upcoming appointments with property agents or sellers.
 - **Profile Settings:**
 - Update personal details.
 - Link or unlink blockchain wallets.
 - Manage communication preferences (e.g., email notifications, SMS alerts).
 - Adjust login and security settings.
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Additional Functional Details

1. Smart Contracts for Payment:

- Implement smart contracts to handle transactions securely.
- Users can view the transaction status in their My Kora dashboard (e.g., "Payment Pending," "Escrow Released").
- Automatically trigger contract milestones such as property verification or document transfer.

2. Search Functionality:

- Filters should be dynamic and customizable at any point.
- Filters to include:
 - Keywords (e.g., "sea view," "balcony").
 - Nearby landmarks or areas of interest (e.g., schools, markets).

3. **Notifications:**

- Notify users when:
 - New properties matching their preferences are listed.
 - A seller responds to their inquiry or schedules a meeting.
 - Payment milestones are met.

4. **Agent/Seller Features:**

- Easy listing upload, including verification and property stats.
 - Communication tools for responding to inquiries or scheduling viewings.
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