



PILOT

(Property Ledger & Ownership Tracker)

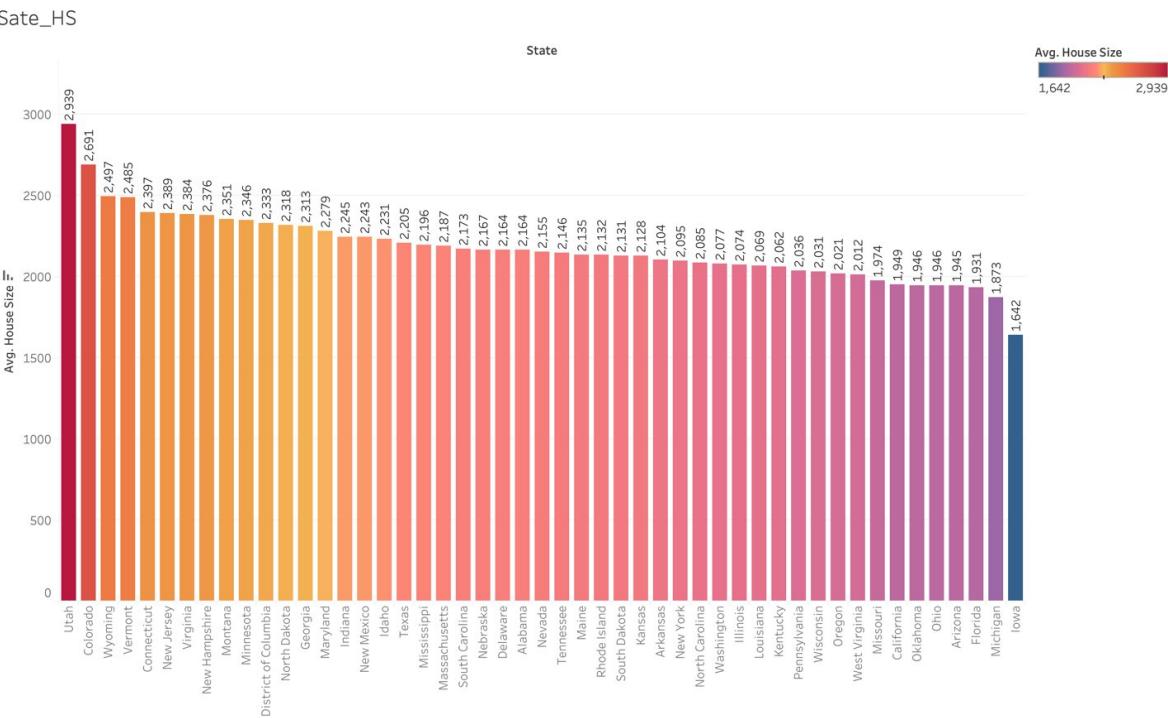
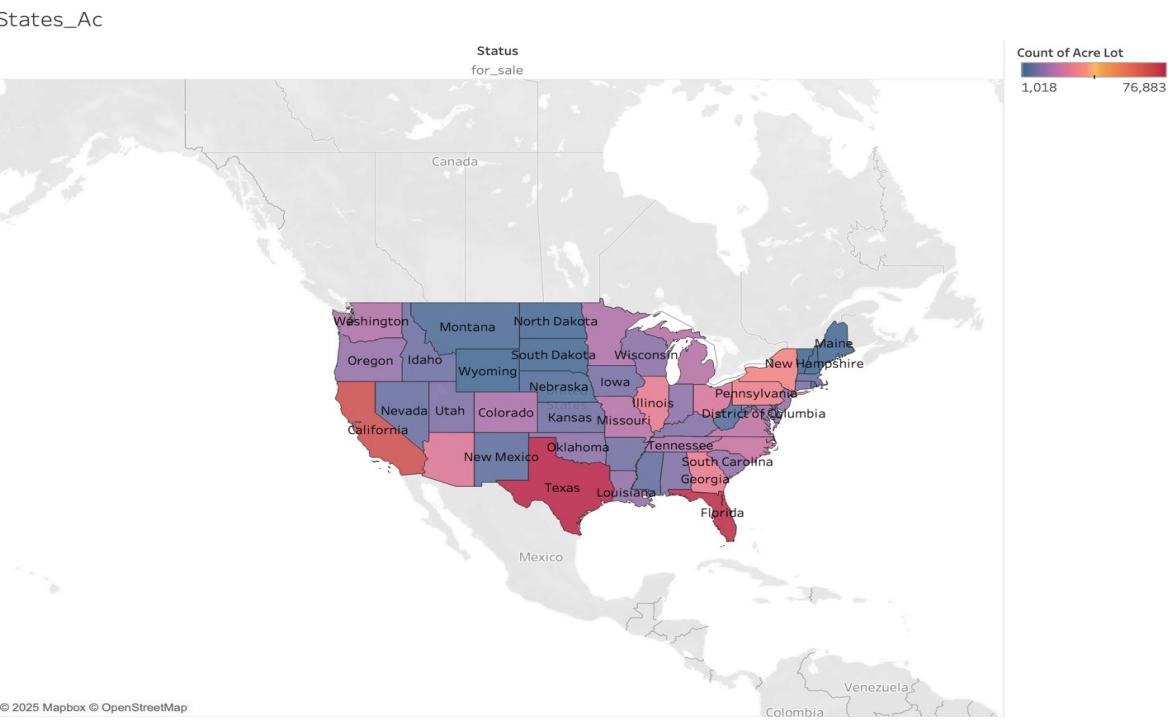
PROPERTY MANAGEMEN T NOWADAYS

- Property management often involves **critical paperwork and ownership verification**.
- It involves **Time-consuming** processes and lack of transparency.
- These issues affect a wide range of stakeholders, from government bodies and financial institutions to individual citizens and investors.
- This happen due to **Centralized authority** controlling data.

PROBLE M STATEMEN T

Property documents are often **stored physically** and can be easily tampered with. Verifying ownership **involves manual checks** with **outdated systems**. **Lack of transparency**, especially in real estate transactions. **Limited access** to records for owners or interested parties and **lacks real-time verification** or audit trail. **High risk of fraud and duplication**.

DATAPART



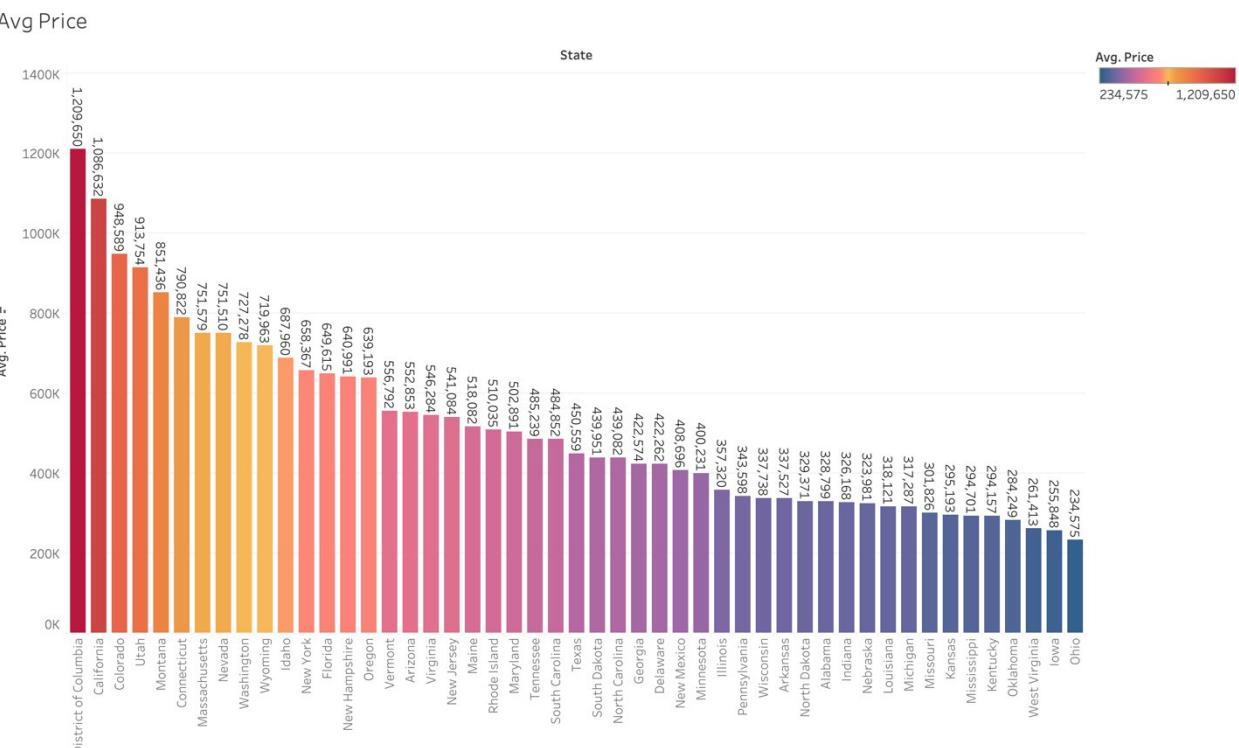
State-Level Property Count by Acre Lot

- Dark Blue = Fewer land listings (lower market activity).
- Bright Red = Higher number of land listings (more active market).
- **Texas, Florida, and California** appear in warmer shades, suggesting a high volume of land property transactions. States shaded in cooler tones like **North Dakota or Wyoming** indicate limited activity or data availability

Avg House Size by State

- Red shades indicate larger average house sizes, with **Utah (2,939 sq ft)** leading the nation.
- Blue shades represent smaller house sizes, with **Iowa (1,642 sq ft)** at the lower end.
- Utah, Colorado, and Wyoming top the list, suggesting a trend of more spacious housing in these regions. In contrast, Michigan, Florida, and Iowa appear at the bottom, pointing to more compact housing stock country.

DATA



AVG_Bath
3.380

Average Bathroom Count

AVG_bed
3.380

Average Bedroom Count

AVG_Price
570,908

Average Property Prize (\$)

Property_count
8,296

Avg House_Size
2,117

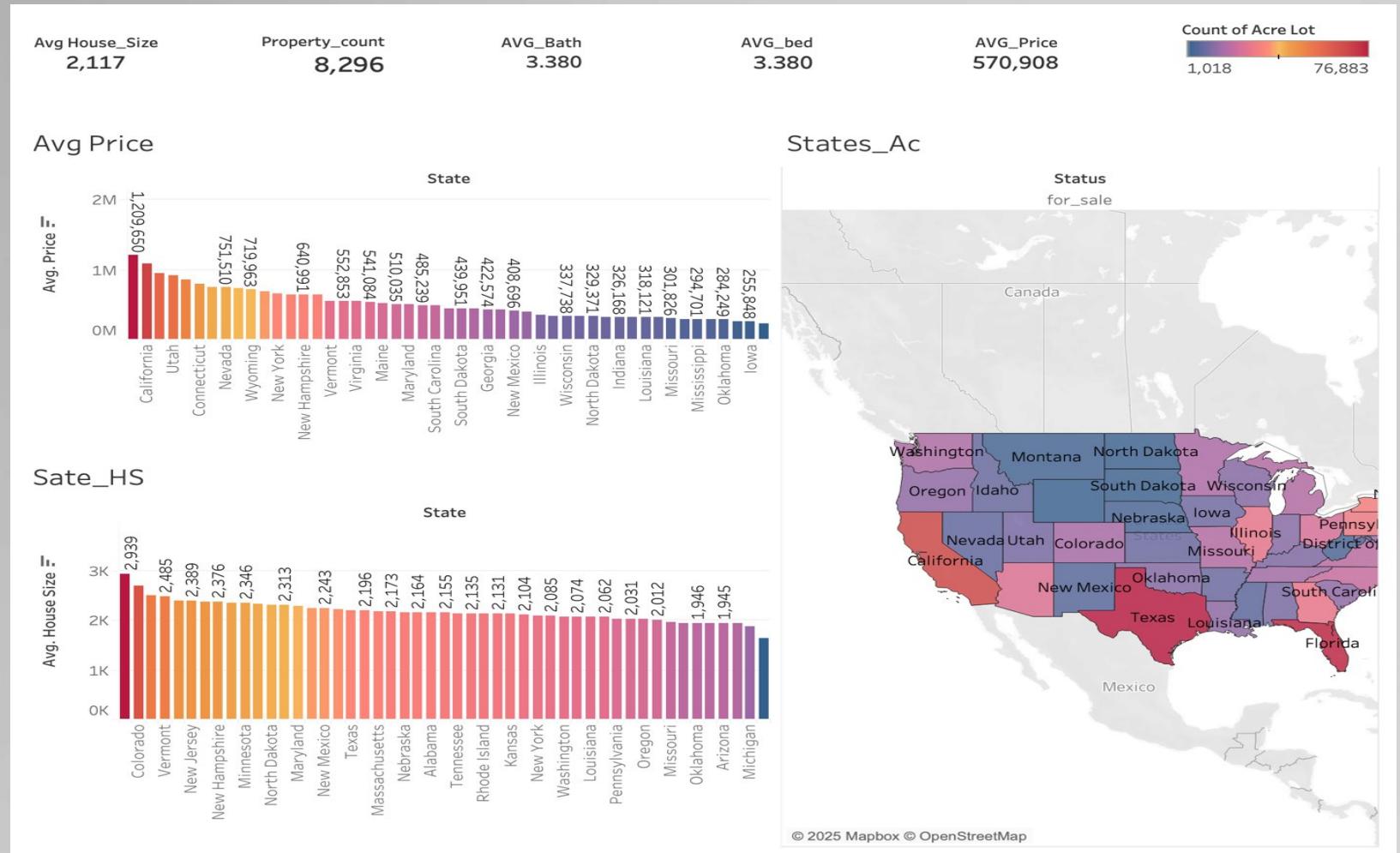
Average Price by State

- Dark red shades indicate higher average prices, with District of Columbia leading at \$1,209,650, followed by California and Colorado.
- Dark blue shades highlight lower-priced states, including Ohio, West Virginia, and Iowa, each averaging below \$265,000.

Total Properties with Acre Lot Data

KEY PERFORMANCE INDICATORS (KPIs)

Average House Size (sq ft)



The real estate dashboard presents a holistic view of the U.S. property market by combining **key metrics**, **visual breakdowns**, and **regional comparisons**. It draws insights from actively listed properties across all 50 states, helping stakeholders evaluate land activity, housing affordability, and structural trends.



INTRODUCING PLOT

- A blockchain-based mobile app to:
 - Register property documents securely
 - Assign **private keys** to owners for control
 - Allow **view-only access** using **public keys**.
- Eliminates document forgery and loss by making **property ownership transparent**, digital, and verifiable from anywhere. It **simplifies, secure, and modernize property documentation** using blockchain.
- With blockchain technology, digital asset is programmed to have **ownership rights, transaction history**, and rules to ensure **asset issuance, distribution and transfers** are regulation compliant.



BENEFITS OF PLOT IN REAL- ESTATE

- Tokenization** of real estate assets.
- Access** to global **asset distribution**.
- Reduced costs** from **process automation**.
- Access to **secondary market opportunities**.
- Process efficiency** for underlying industry operations.
- Access to **broader investor pools** due to **ownership fractionalization**.
- Data accessibility to **increased transparency**, better investment decisions and portfolio management.

CORE FEATURES OF PLOT

LIVE PROPERTY-BASED NEWS FEEDS

Stay updated with real-time news and alerts related to your registered properties, legal updates, or location-specific real estate developments.



INSTANT ACCESS TO DOCUMENTS & REGISTRIES

View, approve, or request property document updates and ownership transfers instantly—with blockchain-secured authenticity and audit trail.

INTEGRATED CRYPTO WALLET SUPPORT

Users can link and manage their crypto wallets directly in the app for secure property payments, smart contract transactions, and ownership token transfers.

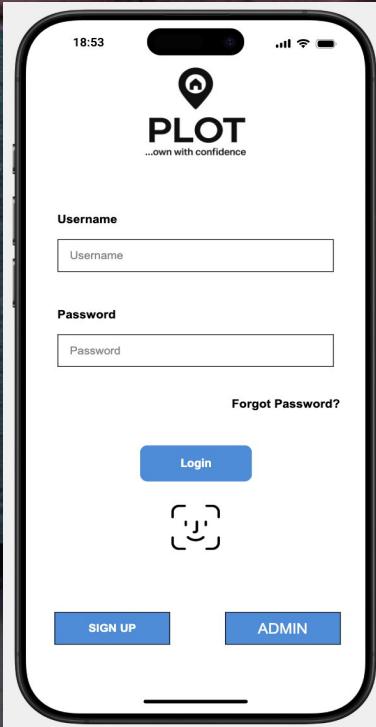


LOCATION-BASED PROPERTY SEARCH & FEEDS

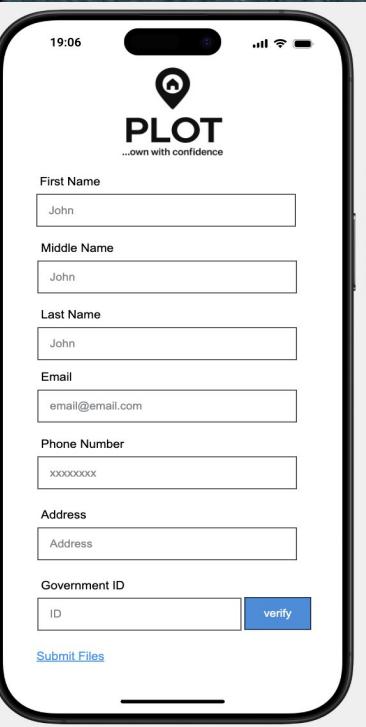
Discover verified properties nearby or in specific regions using an interactive map, with smart filters for ownership history, pricing, and more.

UI/UX DESIGN

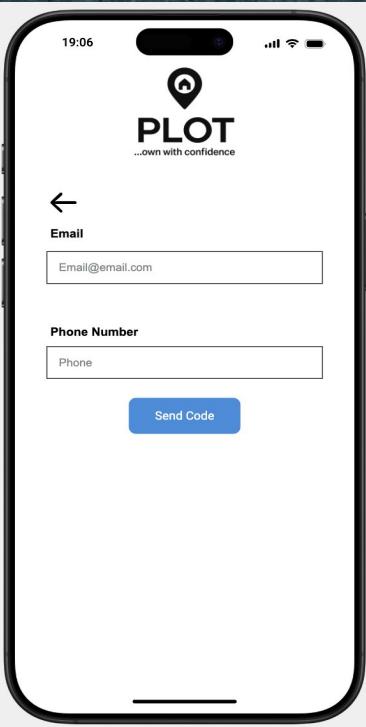
LOGINPAGE



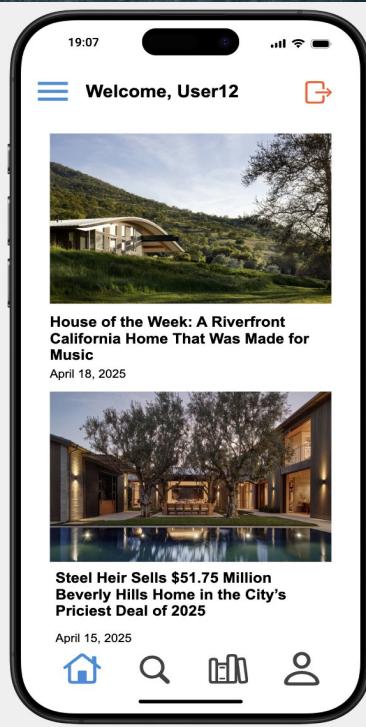
SIGNUP



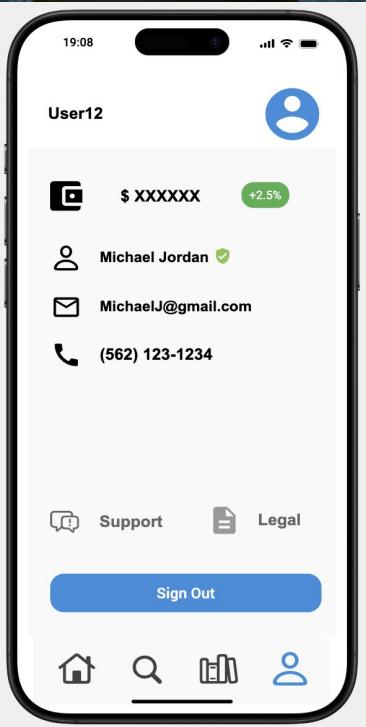
VERIFICATION



Homepage



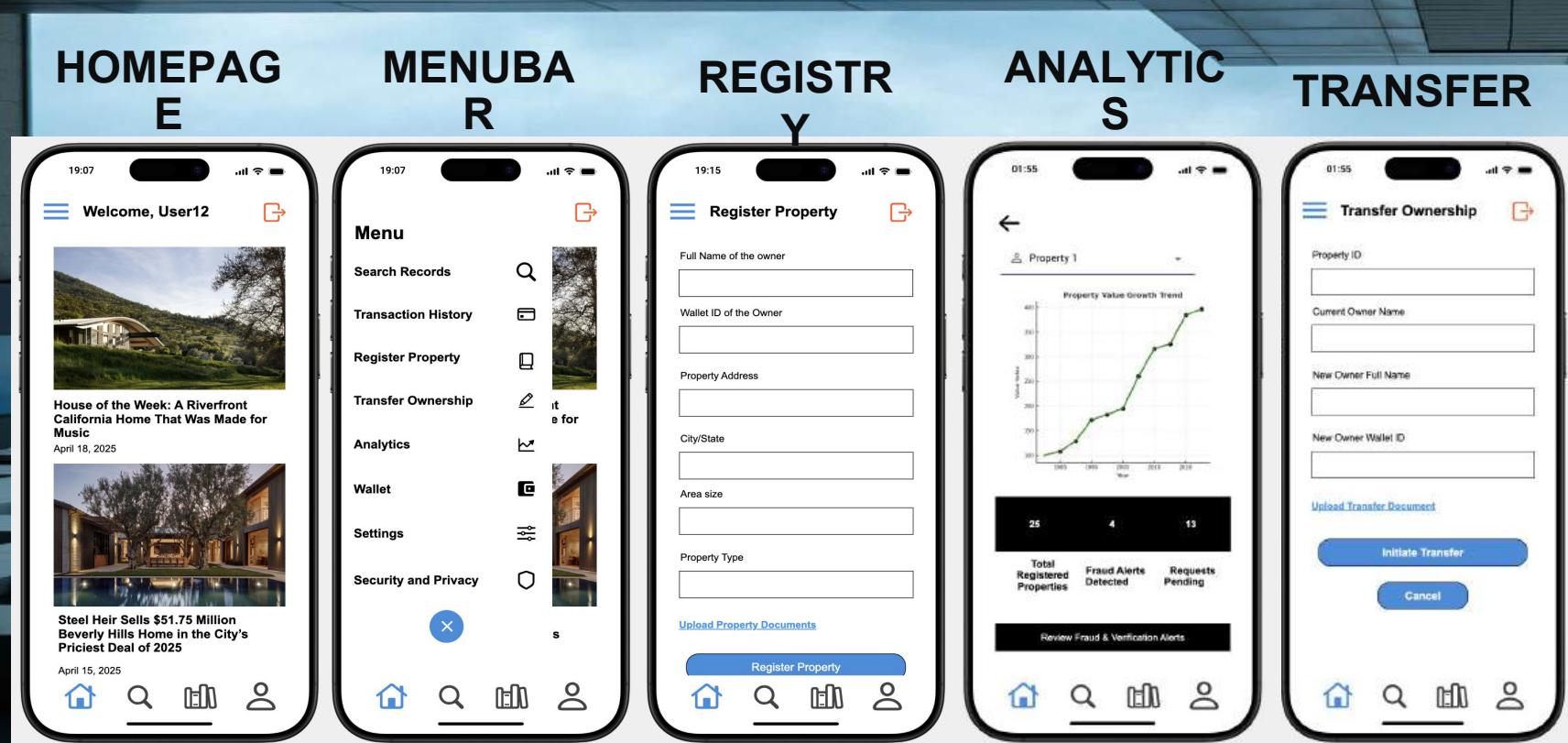
USERID



- View or update user profile.
- Ensure ease of use for non-technical users.
- Biometric login (face ID) for enhanced security.

- Mobile-first design with responsive layout.
- Minimize errors through confirmations and input validation.

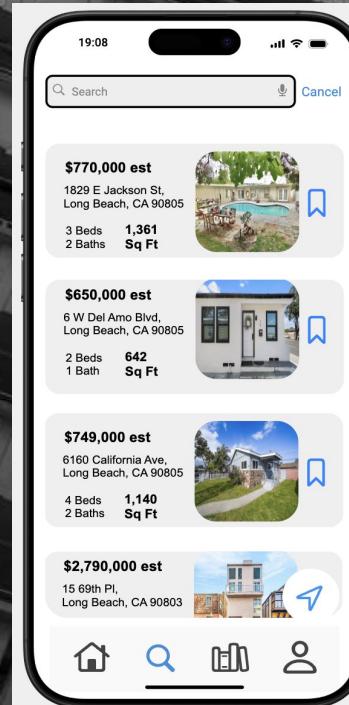
UX/UI DESIGN



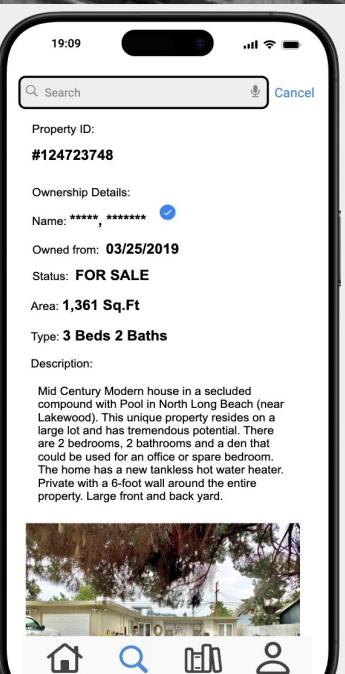
- ❑ Organized dashboards showing property status, document history, and alerts.
- ❑ Real-time notifications for any blockchain activity.
- ❑ Minimal steps from registration to document upload.

UI/UX DESIGN

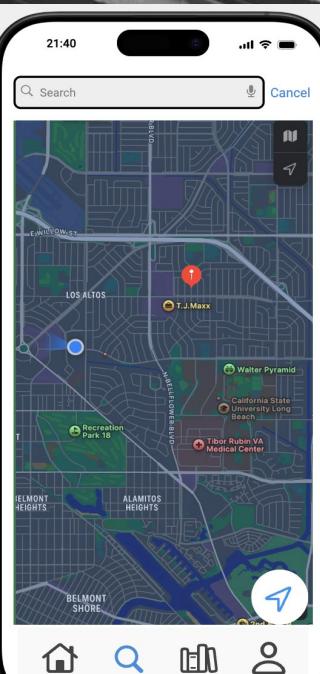
SEARCH



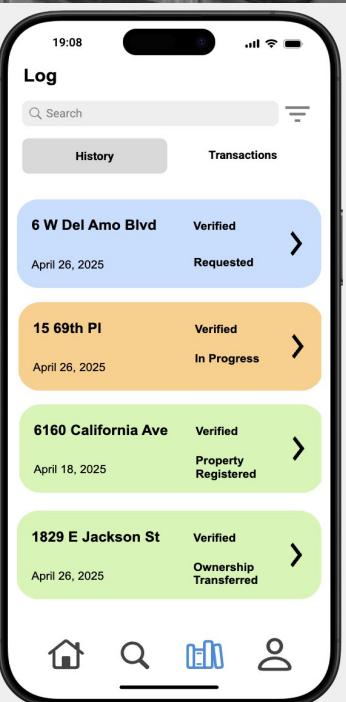
PROPERTY DETAILS



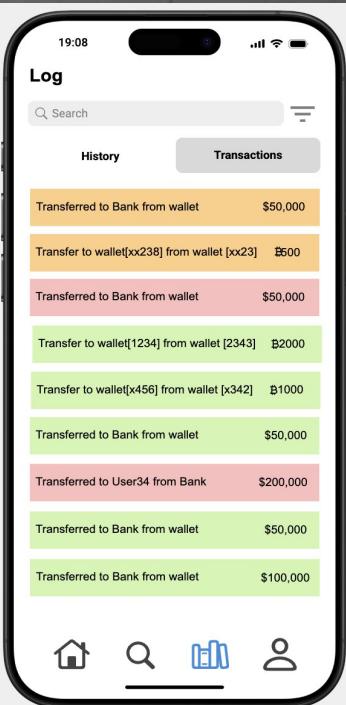
LOCATION



HISTORY



TRANSACTION



- Live location-based search and accessibility.
- Timeline view of each property's registration and ownership changes.
- Color-coded indicators for document verification and transfer status.
- Option to link government-issued ID (for verification/legal compliance).
- Ledger-style list of payments made for registration, transfers, or services.



CHALLENGES & LIMITATIONS

LEGAL & REGULATORY BARRIERS:

- Lack of Legal Recognition.
- Compliance Gaps.

TECHNICAL CHALLENGES:

- Key Management Risk.
- Data Synchronization.
- Scalability.

USER ADOPTION ISSUES:

- Digital Literacy.
- Trust Gap.



FUTURE ROADMAP FOR PLOT

Government Registry

Government Registry Integration

AI-Powered Document Verification

Tokenized Ownership and Investment

Multi-Language and Localization Support

Web Portal & Agent Dashboard

Conclusion – Why PLOT Matters

"PLOT is not just an app"

It's a step toward a more secure, transparent, and decentralized future in property management. PLOT is a mobile-first, blockchain-powered solution to modernize property document handling, reduce fraud, and empower owners with digital control.

Through cryptographic security and real-time access, it solves the long-standing issues of inaccessibility, manipulation, and inefficient ownership transfer.

1. Democratizes access to property information.
2. Builds trust through transparent and verifiable processes.
3. Lays the groundwork for a globally scalable, paperless, and secure real estate ecosystem.

THANKYOU EVERYONE

