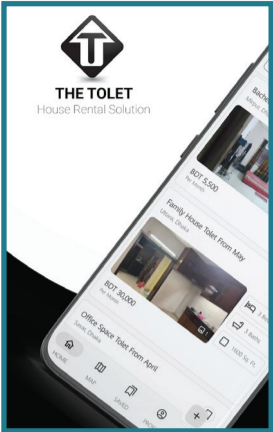# REAL ESTATE APP

PROBLEM

The real estate market in Bangladesh faces inefficiencies due to the lack of a centralized platform with real-time features, such as interactive maps and user verification

Current platforms like "Tolet" and "BD Housing" lack crucial functionality, making property transactions challenging and unreliable.

SOLUTION

The solution involves developing a mobile and web platform using AWS for scalability, MySQL for managing listings, and Kotlin for Android development. The platform integrates real-time features such as map-based searches and secure user verification using MFA and CAPTCHA. The architecture is designed to ensure scalability, security, and high performance.

PLANS

Profile Creation
Enable professionals to build detailed profiles

Property Listings & Quoting
Allow users to post properties and receive quotes

Enhanced Search Features
Incorporate real-time map-based search and filtering options

Account Verification
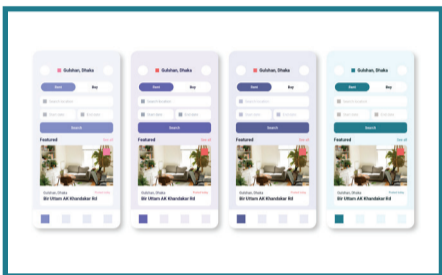Secure the system with MFA and CAPTCHA

DEVELOPMENT

User Research & Surveys
Extensive user research was conducted to understand user preferences and needs in the Bangladeshi real estate market. Surveys collected feedback on critical features like interactive maps, search functionality, and user verification

Color Research
Research was performed to determine an appropriate color scheme to enhance the user experience

PROGRESS SO FAR

User Registration & Login
Basic functionality for user sign-up and login is implemented

Property Listings
Users can create property listings, search, and filter results based on location and price

Backend Setup
AWS services such as Lambda, RDS, and S3 are integrated for scalable and secure operations

Frontend Design
Initial UI for web and mobile apps is completed, with integration of map-based property searches

FUTURE PLANS

Security Enhancements
Implement data encryption and further strengthen security measures like CAPTCHA and MFA

Real-Time Messaging
Add messaging between users and real estate professionals

Property Verification
Implement processes to verify properties and user reviews