AADHAAR

UIDAI Hackathon

Team Reference ID : TBkSiZTf2t

Team Member Details

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PS1-Mobile Operator App

Walkthrough-

- Core Java Based Android Application .
- Aimed as a solution for problem statement 1.
- Uses Firebase Realtime Database for storage of Device UID assigned.
- Uses Firebase Cloud Messages to Receive Notifications Across the Devices.
- Compatible with >92% Android Devices since minSDK support is API 21.
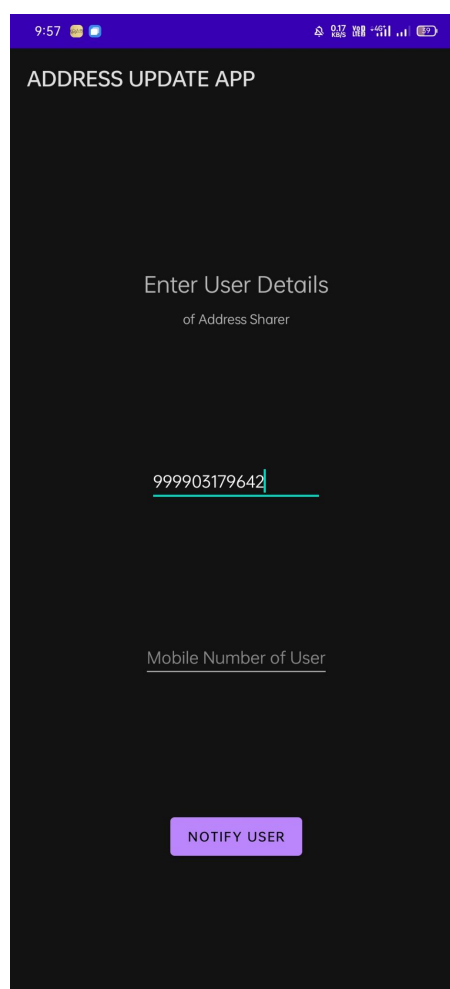- Uses OTP, Ekyc and Auth API

Launch Screen

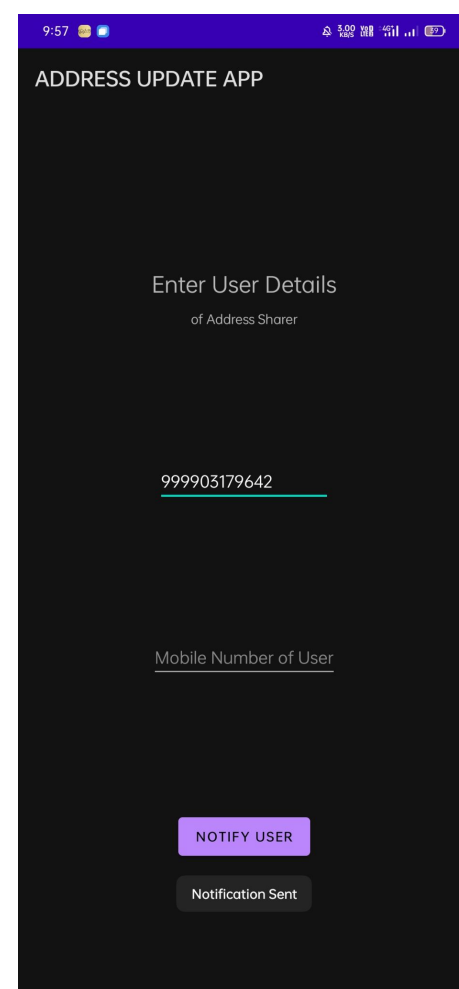OnCreate

On OTP Requested
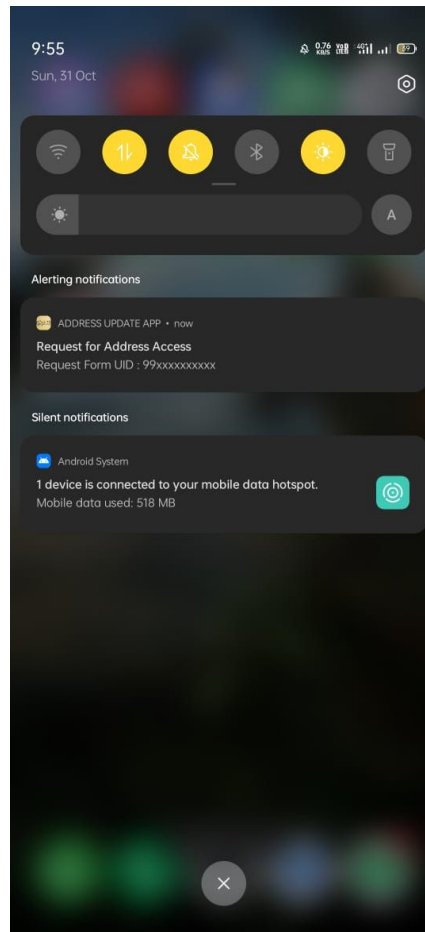

On OTP Recieved
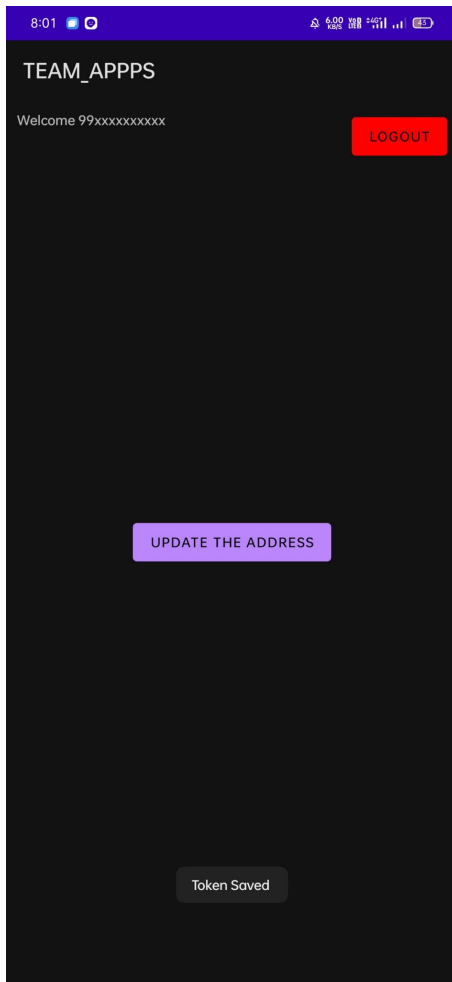
Dashboard Screen

User Details

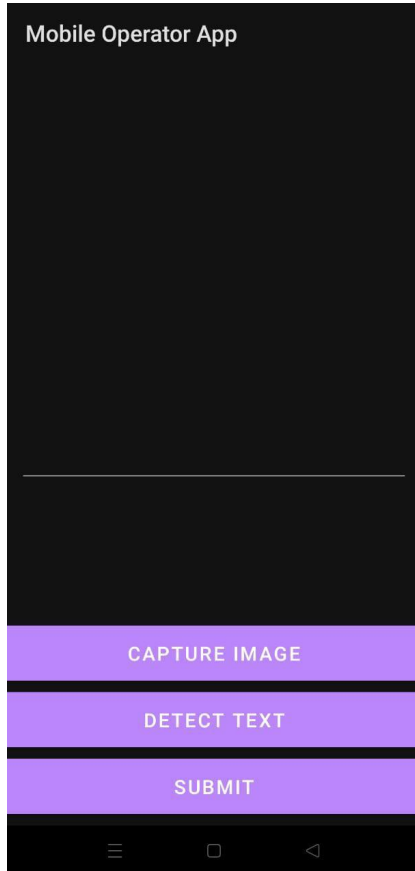After Notification to Landlord is Sent

Landlord Receiving the Notification
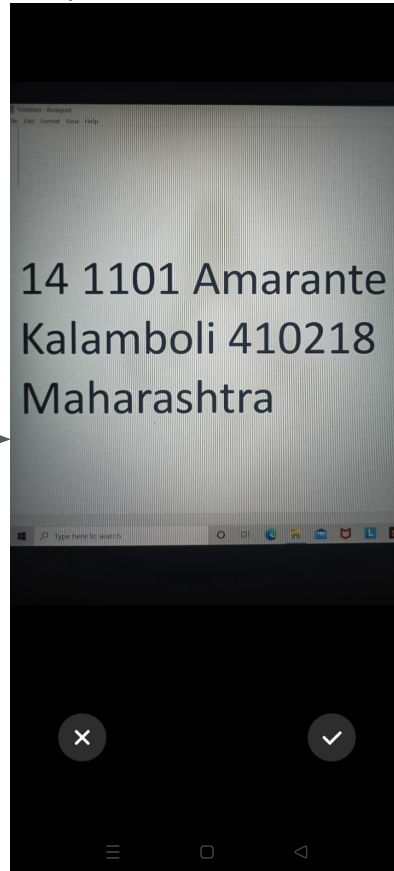
PS2-Mobile Operator App

Walkthrough-

- Android application built on android studio using Java.
- Aimed as a solution for problem statement 2.
- Uses Firebase ML Vision for text OCR.
- Uses Google Maps API for address validation.
- Minor changes to address can be made.
- Changes made to the address are again validated.
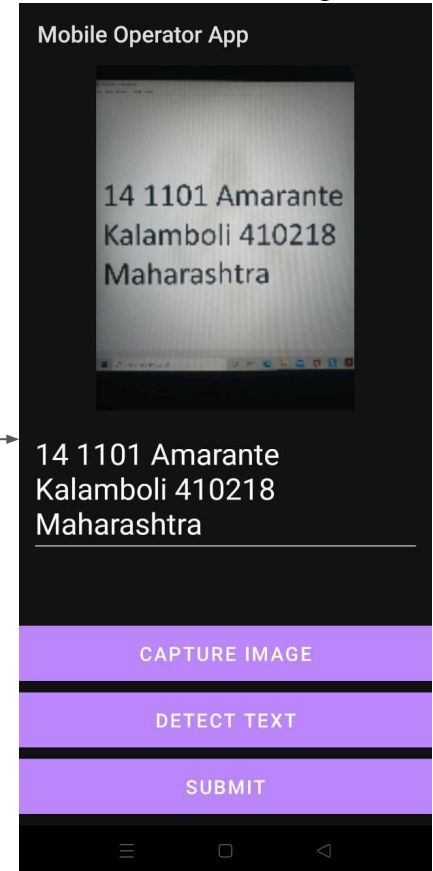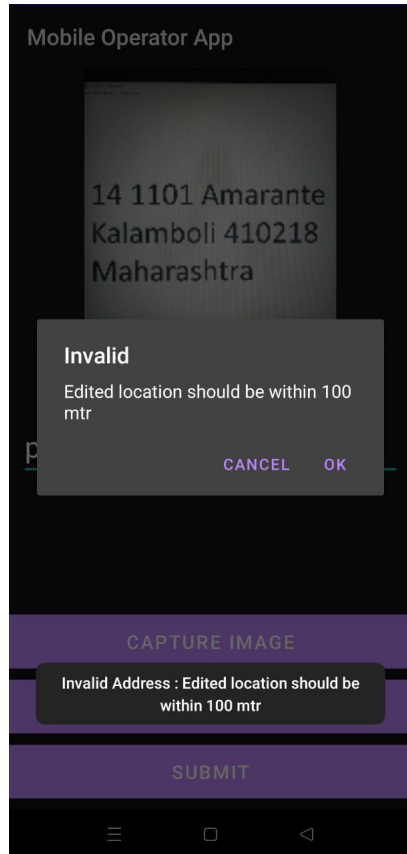- Final address can be submitted and stored to a database.

1) Main Screen

2) Sample Address captured with camera

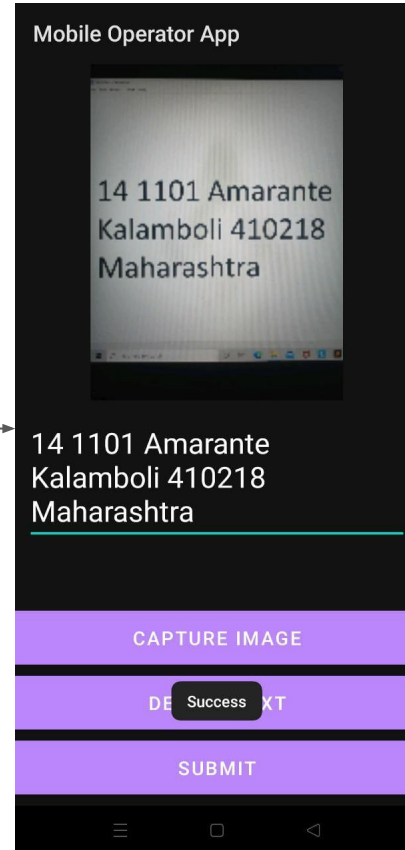3) Address text detected from image

Mobile Operator App

CAPTURE IMAGE

DETECT TEXT

SUBMIT

14 1101 Amarante Kalamboli 410218 Maharashtra

Mobile Operator App

14 1101 Amarante Kalamboli 410218 Maharashtra

CAPTURE IMAGE

DETECT TEXT

SUBMIT

AADHAAR

4)Invalid if major changes made to address

5) Saves if valid changes made

PS3 - Address Formatting API

- REST API for proper formatting of address.
- Creates a web based server.
- Tesseract-OCR API to convert the image address to a corresponding text address.
- Supports 100 different languages.
- Formatted address can be viewed on localhost.