



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



8:00

TEAM_APPPS

*Enter either VID or VID or Both

Enter Adhaar or Mobile Number

OR

Enter VID (Reccomended)

GET OTP

CONTINUE AS GUEST -->

OnCreate

8:01

TEAM_APPPS

*Enter either VID or VID or Both

999959726721

GET OTP

VID not Entered or Not Correctly Entered

CONTINUE AS GUEST -->

On OTP Requested

8:01

TEAM_APPPS

*Enter either VID or VID or Both

999959726721

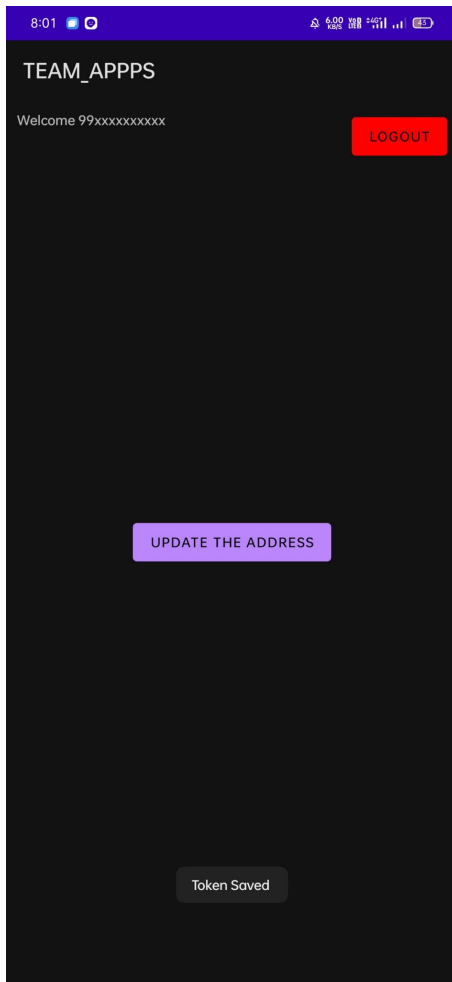
GET OTP

Enter OTP recieved

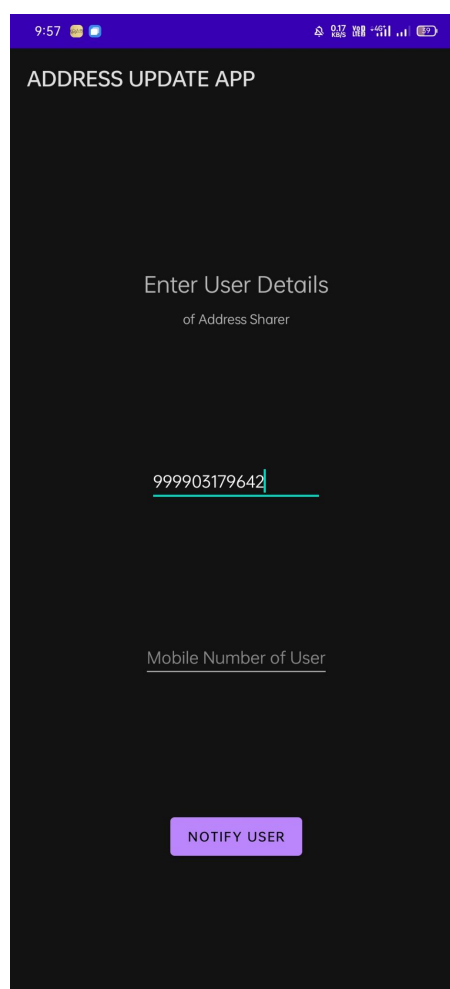
LOGIN

CONTINUE AS GUEST -->

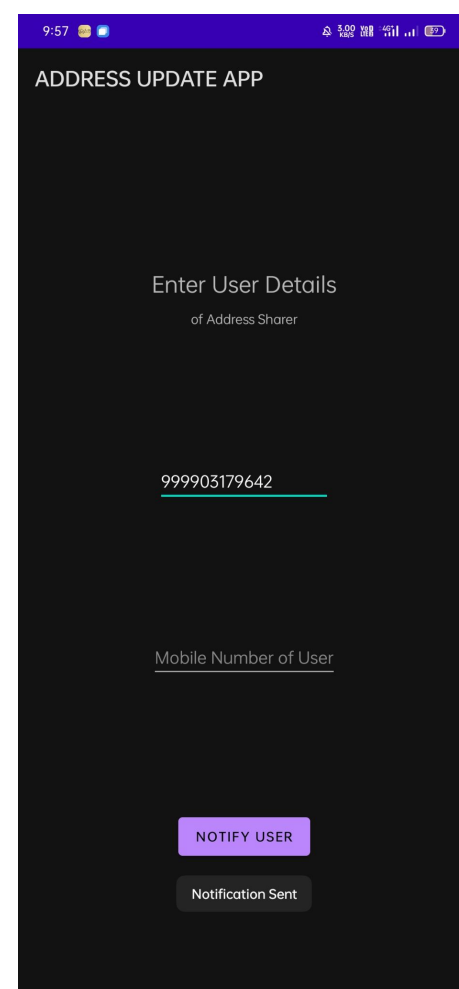
On OTP Recieved



Dashboard Screen

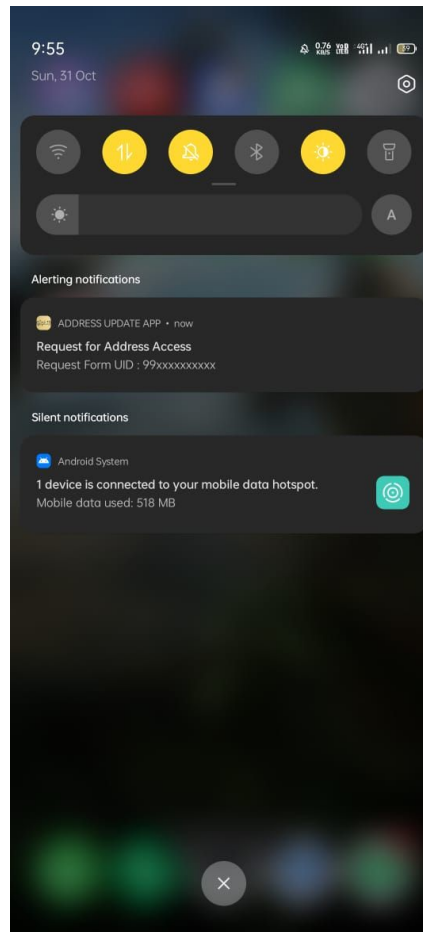


User Details



After Notification to Landlord is Sent





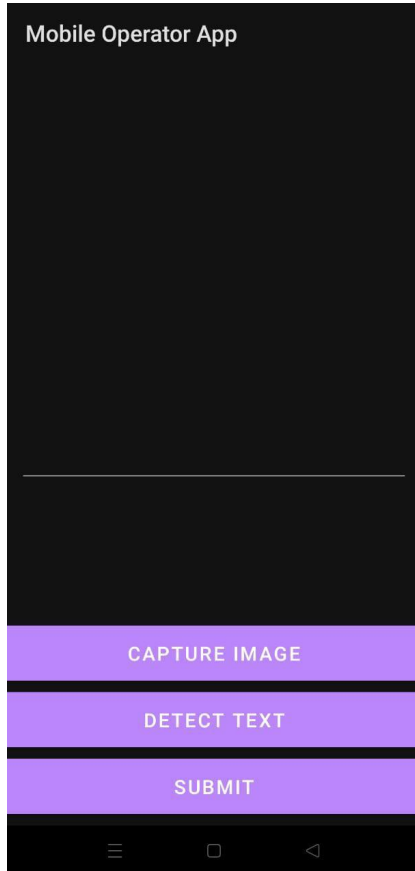
Landlord Reciving the Notification

PS2-Mobile Operator App

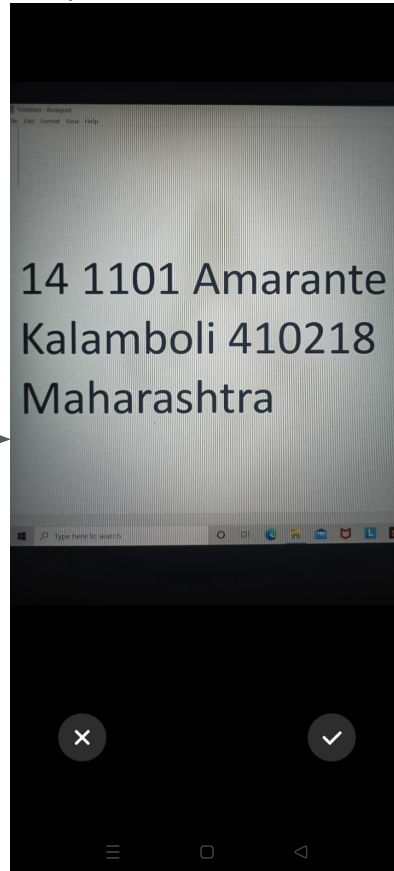
Walkthrough-

- 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.

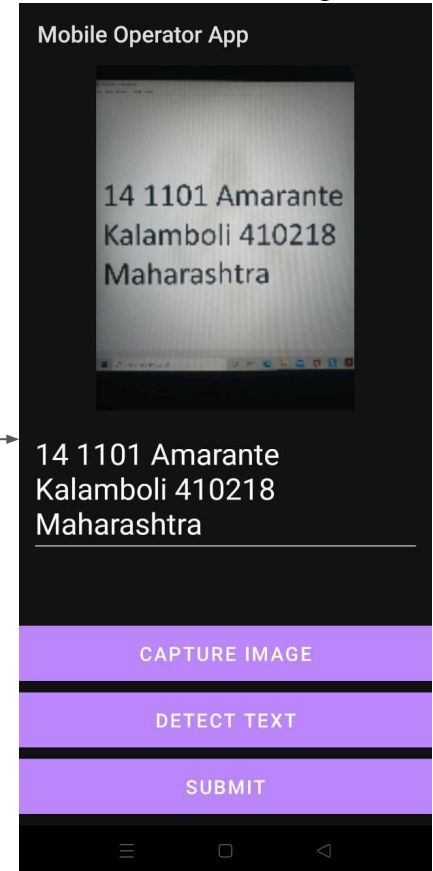
1) Main Screen



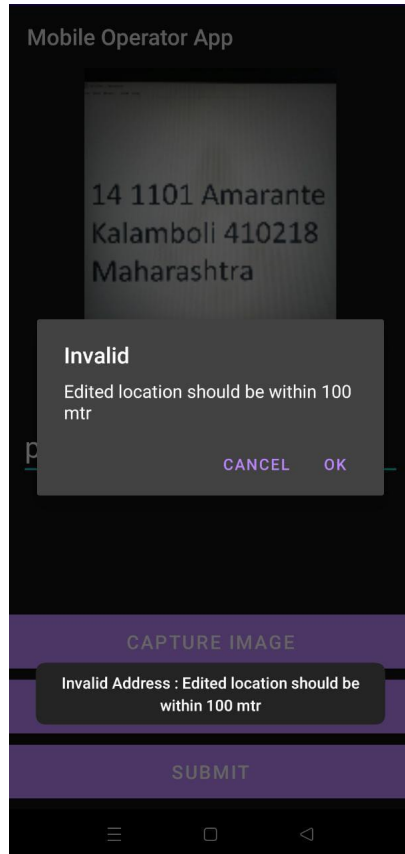
2) Sample Address captured with camera



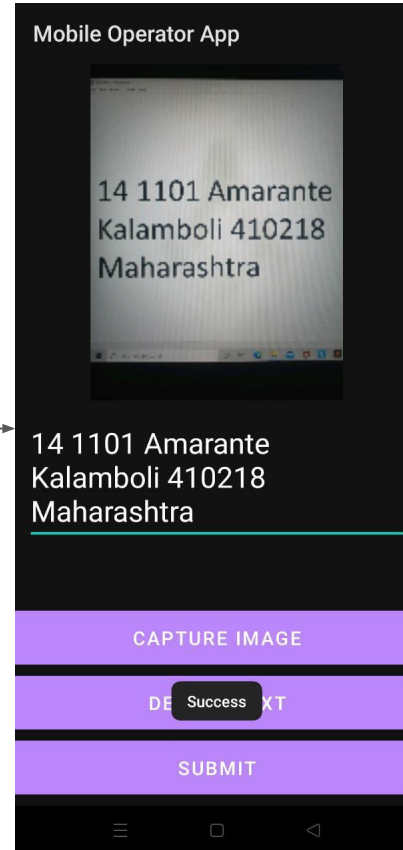
3) Address text detected from image



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.