

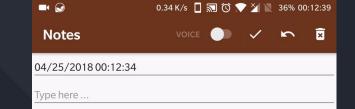
Intro

A notes application focused on Encryption to save text notes and provide useful features that enhance a sense of security

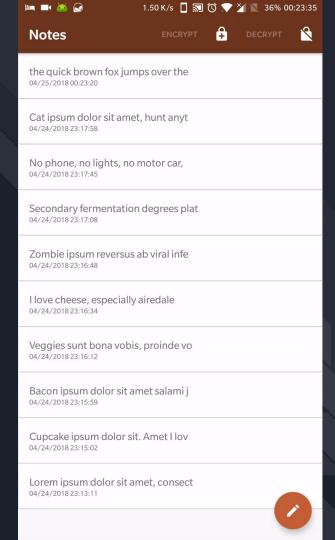
- AES-256 bit Encryption
- SQLite Database
- Only Encrypted data is stored on the DB

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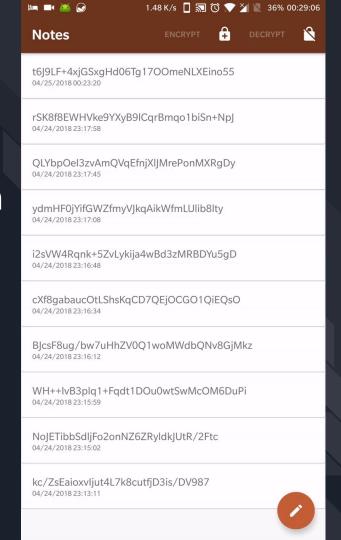
Google's Speech API



- Real-time AES-256 bit Encryption visualization
- Shake Detection to hide notes from prying eyes



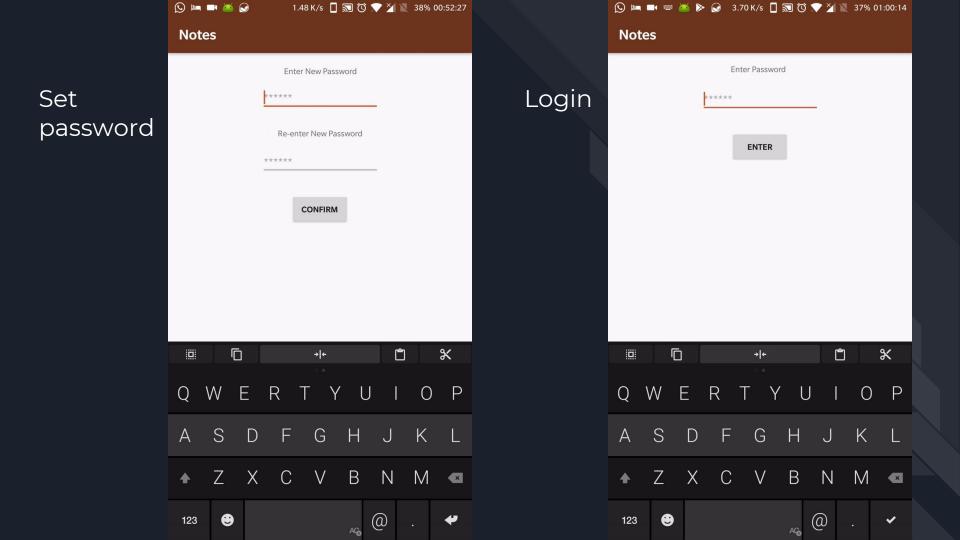
 Fingerprint Authentication to Decrypt notes



Current Solution and Future Changes

 On initial launch user creates a password which is saved in SharedPreferences

 The same password is used to login and encrypt/decrypt the notes



 Cloud based service to save notes and save only a hashed version of user password alongside the notes

Ability to reset forgotten password

Current Solution and Future Changes

 Backup decryption with pincode or keyphrase when fingerprint unavailable

Since, not all versions of android support fingerprint API, nor all Android devices have fingerprint hardware

Current Solution and Future Changes

 Offline Speech Recognition for supported Android devices

 Replace Google Speech API with an Open Source alternative
Eg: Mozilla's Open Source Speech Recognition Model: DeepSpeech

Demo & Q&A