Unified Communication App

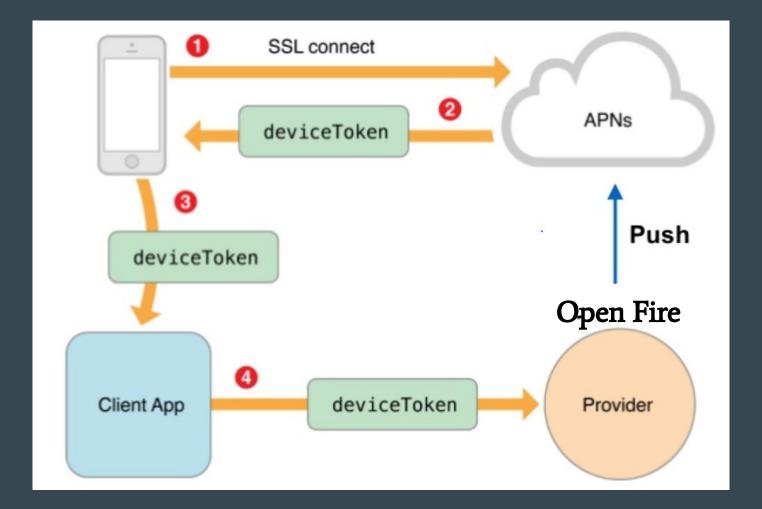
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Invictus

Architecture

- XMPP protocol implementation
- Administrative mode with console
- Easy user creation by Admin
- SSL/TLS channel for secure data transfer

Data Flow

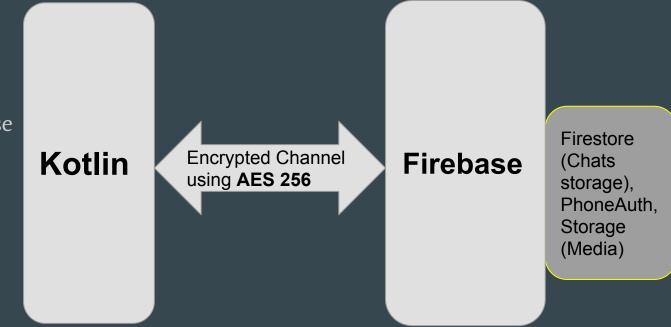


Previous Implementation and Results

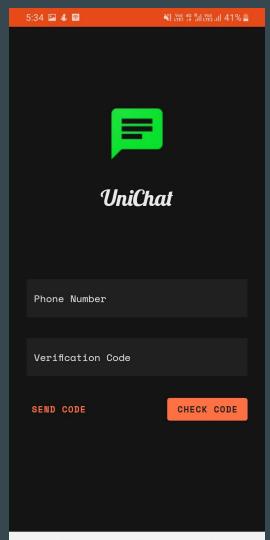
Architecture

• Front End - Kotlin

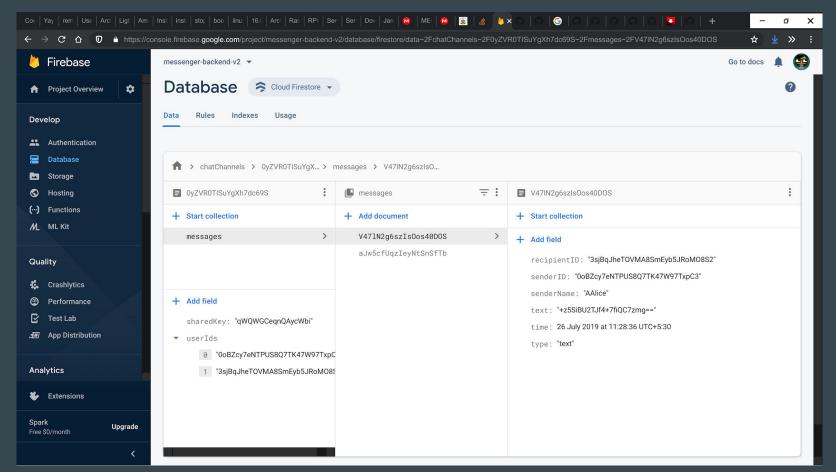
• Back End - Firebase

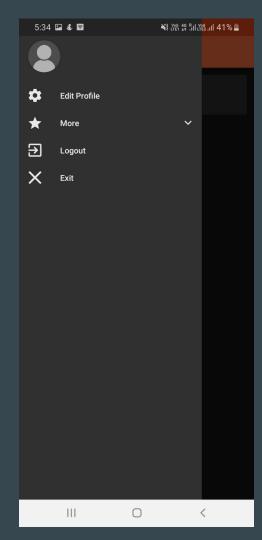


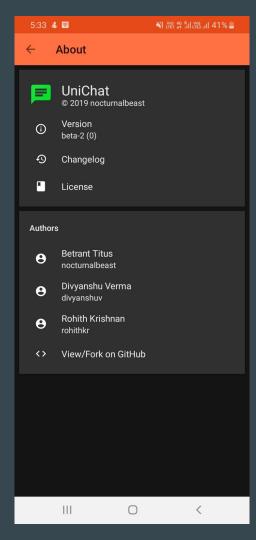
Front End

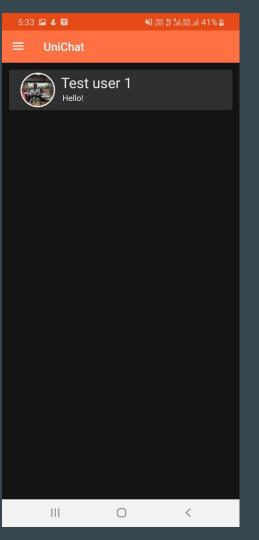


Back End - Firebase









Features - Done

- Authentication using Mobile Number and OTP
- Establish Peer to Peer Communication
- New user Onboarding
- Completed for Peer to Peer Communication:
 - Send text and media in real time
 - End to End Encryption (AES 256)
 - Server Admin Console (Powered by Firebase)
 - Built in contact details (Rudimentary Version)

Task Split

- Group Chat/ Broadcast
 - o ToDO Feature Admin can assign tasks to his team
 - Self destruct message
 - o RBAC