

The logo for ChitChat features the word "Chit" in white and "Chat" in green, with the "C" in "Chat" partially enclosed by a bright pink circle.

**ChitChat**

# CMPT 436 Project: mobile chat room application with Cloud Service Storage

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# Frontend

React-native using Expo and context api

- Advantages
  - maintains same advantages as react
    - Lightweight
    - code is broken into components => loose coupling => maintainable + reusable
    - Hooks with state variables as event listeners
    - Runs on single JS thread => use async calls
  - Differences:
    - native APIs are used to render to native app components
      - don't need separate apps for android and ios can compile for either (same code-base)

# Backend

- Application Version 1: Google's Firestore cloud storage
  - closed source
- Application Version 2: Back4app's Parse cloud storage
  - open source

They both:

- are NoSQL cloud storage databases
- use JSON Objects for storage
- Have listeners for the db to notify frontend of updates
- backend as a service

Demo