AFCA Chat

A Peer-to-Peer & Room Chat Application
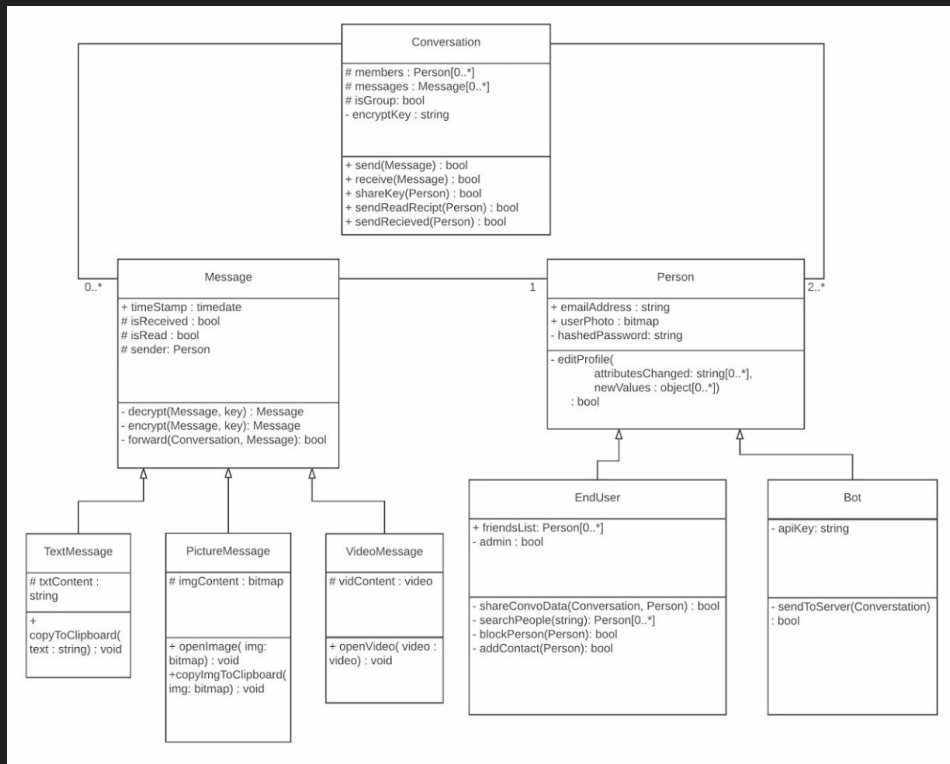Conor Parrish, Daniel Yedidovich, Cathal Killeen

Team 08
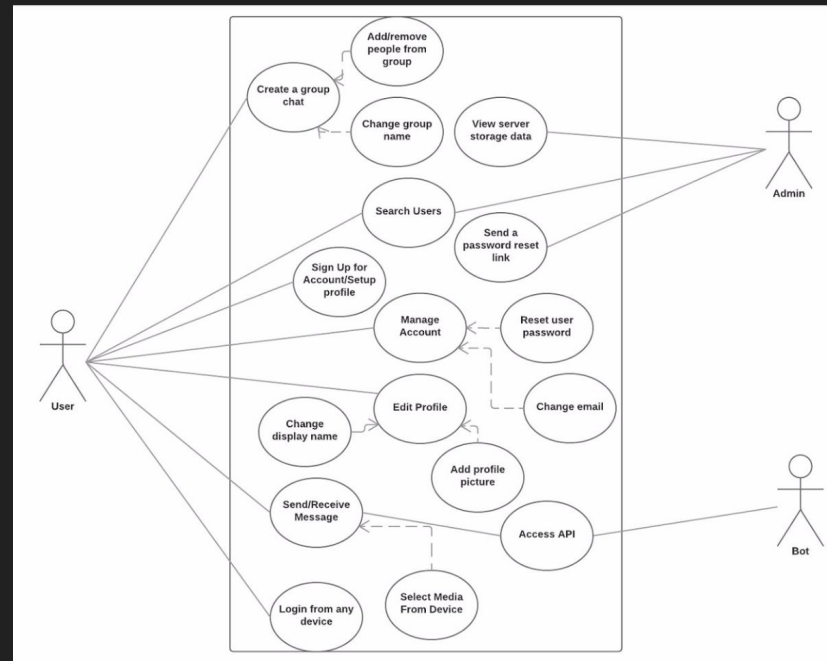
Demo

https://github.com/conorjp/AFCA-Chat/blob/master/08_AFCA-Chat_Video.m4v

Project Diagrams
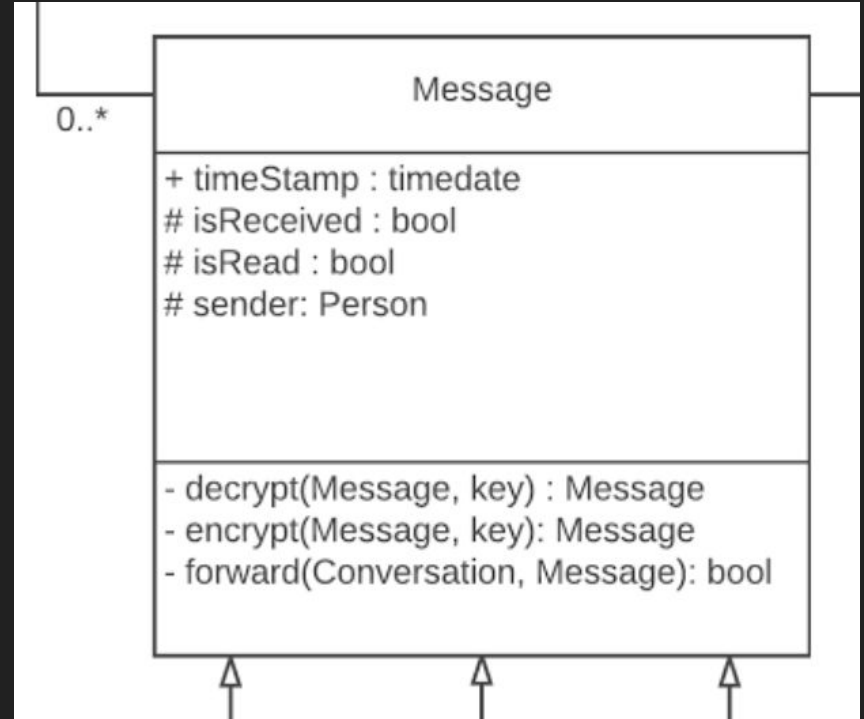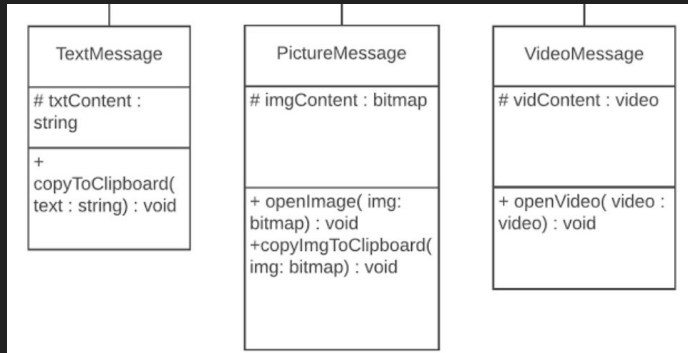

Class Diagram

Use Case Diagram

Message Class

- Zero or more per conversation
- Three message types
  - Extend main Message class

Message

+ timeStamp : timedate
\# isReceived : bool
\# isRead : bool
\# sender: Person

- decrypt(Message, key) : Message
- encrypt(Message, key): Message
- forward(Conversation, Message): bool

0..*

TextMessage

\# txtContent : string

\+ copyToClipboard(text : string) : void

PictureMessage

\# imgContent : bitmap

\+ openImage(img: bitmap) : void
+copyImgToClipboard(img: bitmap) : void

VideoMessage

\# vidContent : video

\+ openVideo(video : video) : void

Networking

- Server class runs on remote server
  - Always up
- Networking challenges

image: rosehosting.com

AFCA Chat

The End