Project Specification

Chatting App [Name TBD]

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Github: https://github.com/XiaohuiXie/ChattingApp

Project Summary:

The purpose of our app is to offer an alternative to using text messaging as a form of communication while also not using cellular data if connected to a wifi network. This is done by using our app to communicate with others using direct messaging.

Project Goals:

The main goals of our project is to:

1. Develop an app that functions as a messaging program for people to chat through
2. Offer users a means of messaging without using cellular data when connected to a wireless network

Product Features:

1. App: An application for Android devices
2. Login: A login using authentication through a database offered by Google Firebase
3. Profile with picture and information about user
4. Direct Messaging between at least two people
5. See who is online and available
6. Create a group chat with multiple users
7. Change online status (Away, busy, available)
8. Change Background image (Custom/Solid color)
9. Chat bots, add a bot to a channel that can be created by users and used for utilities

//Message your friends and family for free. WhatsApp uses your phone's Internet connection to send messages so you can avoid SMS fees.

Limitations:

Some forms of limitations of our project are:

1. Requires at least two people to properly function

Stretch Goals:

These are some features we would like to add in the future:

1. Real time texting

2. Real time drawing sharing, everyone uses one canvas to draw together
3. Picture Sharing
4. Calendar sharing