Purdue University

Product Backlog

LocalChat Application

Team #14:

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**Problem Statement:**

In the modern age, people don’t communicate with other people around them; they are too busy on their smartphones and engaged with people far away. There is a lack of small talk and general meet and greet in this generation. Our application will allow people to talk with other people in their vicinity in order to make small talk, discuss an idea, and just for fun.

**Background Information:**

**Problem:**

There are times when using the Internet or cell reception to communicate is not wanted or not possible. LocalChat will allow users to remedy this issue by using the wifi radio to communicate with other users within their proximity.

**Similar Applications:**

FireChat is a currently existing chat program that communicates without the need for Internet. FireChat, however, has many issues with the application. First, it is required to make an account online in order to use FireChat. LocalChat will address this issue by not requiring an account to be created. Second, FireChat requires a biography to be made on top of having an account, which is known to be buggy and not work well. Since LocalChat does not require an account, a biography is not necessary in order to use the application. Lastly, FireChat’s password changing is hard to do and does not always work. LocalChat does not require an account, so no password is needed.

**Domain:**

The domain of our product is an app for Andriod and iOS phone devices. The app will be able to communicate between users of the same of same type of device.

**Targeted Audience:**

The targeted audience of our product will be users in the range of middle school to college-aged because they will be the most likely to use our product in a classroom or social setting; this is the audience that we believe will see the most use out of our product.

**Requirements:**

**Functional:**

1. As a user, I want to access the local area chat room.
2. As a user, I want the ability to create and/or join a private chatroom.
3. As a user, I want to remain anonymous.
4. As a user, I want to be able to change the color setting of the GUI.
5. As a user, I want to be able to change the font setting of the GUI.
6. As a user, I want to be able to change the theme of the GUI.
7. As a user, I want to be able to change the style setting of the GUI.
8. As a user, I literally need emoticons.
9. As a user, I want to be able to change my “in app name” across sessions.
10. As a user, I want to be able to able to save my “in app name” across sessions.
11. As a user, I want to be able to view messages sent to me in a coherent manner.
12. As a user, I want to be able to see messages that I have sent.
13. As a user, I want to be able to view my past conversation(s).
14. As a user, I want to be able to view chat rooms.
15. As a user, I want to be able to join chat rooms.
16. As a user, I want to be able to view private chat rooms.
17. As a user, I want to be able to join private chat rooms.
18. As a user, I want some kind of filter to minimize spam.
19. As a user, I want the ability to block the messages of other users.
20. As a developer, I want to be able to receive feedback from users.
21. As a developer, I want to be able to log errors.
22. As a developer, I want a secure method to transfer data.
23. As a user, I want to be able to send a picture.
24. As a user, I don’t want pictures to clog up my chat.
25. As a user, I would like to be able to enable and disable timestamps.
26. As a user, I would like to change timestamps between military and standard time.

**Nonfunctional:**

1. As a user, I want to send and receive messages quickly
2. As a user, I want cross-platform communication.(if time allows)
3. As a user, I want the application to run efficiently.
4. As a developer, I want to transfer the background code easily between Android and iOS.
5. As a developer, I want easy updates.
6. As a user, I do not want my data or internet used for this app.
7. As a user, I want to be able to use this app without excessive battery strain.
8. As a user, I want to be able to use the app on Android phones.
9. As a user, I want to be able to use the app on iOS phones.
10. As a user, I want my data to be secure in private chat rooms.
11. As a user, I want to be able to use this app on Windows phones.