Purdue University

Product Backlog

WiFinder 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. WiFinder 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. WiFinder 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 WiFinder 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. WiFinder does not require an account, so no password is needed.

**Domain:**

The domain of our product is an app for Android and iOS phone devices. The app will be able to communicate between users of the 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 because I want to talk to people around me.
2. As a user, I want the ability to create and/or join a private chatroom because I want to chat with a specific group of people without others being able to join.
3. As a user, I want to remain anonymous because I don’t want people to know who I am while chatting.
4. As a user, I want to be able to change the color setting of the GUI because I want to customize my app experience.
5. As a user, I want to be able to change the font setting of the GUI because I want to customize my app experience.
6. As a user, I want to be able to change the theme of the GUI because I want to customize my app experience.
7. As a user, I want to be able to change the style setting of the GUI because I want to customize my app experience.
8. As a user, I literally need emoticons because I want to express emotions in a picture format.
9. As a user, I want to be able to change my “in app name” across sessions because it will allow me to remain anonymous.
10. As a user, I want to be able to able to save my “in app name” across sessions because I do not want to have to type in my name everytime I use the app.
11. As a user, I want to be able to view messages sent to me in a coherent manner because I do not want it to be difficult to view the messages I have received.
12. As a user, I want to be able to see messages that I have sent because it will allow me to better keep track of the on-going conversation.
13. As a user, I want to be able to view my past conversation(s) because I would like to be able to access information that I may have forgotten.
14. As a user, I want to be able to view chat rooms because I want to know what chat rooms are available to me.
15. As a user, I want to be able to join chat rooms because I want to be able to chat with other users.
16. As a user, I want to be able to view private chat rooms because I want to know what private chat rooms are available to me.
17. As a user, I want some kind of filter to minimize spam because I do not want to have my chat experience ruined by other users.
18. As a user, I want the ability to block the messages of other users because I do not want my chat experience ruined by other users.
19. As a developer, I want to be able to receive feedback from users because I can use the feedback to better the app.
20. As a developer, I want to be able to log errors because I can use the error logs to figure out why the application failed to work.
21. As a developer, I want a secure method to transfer data because I do not want my users’ personal information to be accessed by a third party.
22. As a user, I want to be able to send a picture because I want allow other people to see them.
23. As a user, I don’t want pictures to clog up my chat because I do not want my chat experience to be cluttered by large images.
24. As a user, I would like to be able to enable and disable timestamps because I would like to know when a message is received but also have the option to disable it.
25. As a user, I would like to change timestamps between military and standard time because I want to see the time in different formats to customize my chat experience.

**Nonfunctional:**

1. As a user, I want to send and receive messages quickly or in about under a second.
2. As a user, I want cross-platform communication because I want to be able to chat with users that have a different phone than me.(if time allows)
3. As a user, I want the application to run with as little RAM usage as possible.
4. As a developer, I want to transfer the background code easily between Android and iOS because I do not want to have to rewrite more code than necessary.
5. As a developer, I want easy updates because I do not want it to be difficult to push updates to the user.
6. As a user, I do not want my data or internet used for this app because this app is supposed to be able to be used without the Internet.
7. As a user, I want to be able to use this app without excessive battery strain because I want the app to run a long time without my battery running out.
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 because I do not want a third party accessing my messages or information.
11. As a user, I want to be able to use this app on Windows phones.