

Spot User Manual

Installation:

First the user must make sure that they can use WiFiDirect on their Android phone. The WiFiDirect protocol was introduced in Android version 11 so the user must be using at least Android 11 or greater. The app will require WiFi to be enabled and a settings button is available to change WiFi settings in order to do that. To install and run the AP, plug your android phone into a computer running our Code in eclipse, and click run as. Choose your device, and the app will now install and launch on your phone. Emulators can be used as well.

User Guide:

Once the set up is done the user can search for groups or make their own. Making a group immediately joins the group with only the creator in it initially. Users can also join an already going chat group that has users in it. When a user is in a group they can read and send messages anonymously to the other members of the group. Chatters get a random number to identify themselves for the lifetime of the chat but they cannot define their own name. All messages sent are sent and seen by all other users in the group.

Tutorial:

To create a group:

Simply type in the text box at the top of the screen the desired chat room name, and hit the create button. This will add the chat room to a list for all devices in range, and immediately open a new chat window. Here you can begin chatting with anyone who joins your group.

To Join a group:

Under the buttons, there is a scrolling list that will update itself with other close by devices' chat rooms. Simply click on one of those rooms and you will join it, and can begin chatting.

To Leave a group:

While in a group, press the back button. A dialogue will appear asking if you would like to leave the room or not; choose to leave the room.

Quick Reference

Create: Creates a group using the user specified name.

Discover: Looks for nearby groups.

P2P On/Off: Opens the phones' network settings so wifi options can be changed.

