Purdue University

Project Charter

LocalChat Application

Team #14:

Rayten Arnold Rex, Cole Baughn, Vishal Gill, Zeyu Pan, Andrew Systma, Michael Young

**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.

As of right now there is an application called FireChat which has similar functionalities but our application will value anonymity unlike FireChat.

**Project Objectives:**

1. All users to anonymously chat in local chat rooms
2. All users to anonymously chat in private and secure chat rooms
3. All users to anonymously add to discussions in class, meetings, social gatherings, etc.
4. No internet or data requirement
5. Cross platform communications between Android and iPhone devices(if time allows)

**Stakeholders:**

The stakeholders include the development team and middle school, high school and college-age and university students that want to communicate with people in their immediate vicinity.

**Deliverables:**

A user will be able to chat with the people in their respective vicinities, anonymously. Users can chat on open local chats or make and join their own private chat rooms. Users will be able to freely and anonymously discuss topics on their mind.

We will use the Java programming language for Android devices and mesh networking technology. Swift for iPhones and Apple’s Multipeer Connectivity Framework for communication without using the internet or data.