

# CS307

## Project Charter



**AroundMe**

### **Team 12**

Zuoyang Ding

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## Problem Statement

Today more and more applications have added location-based feature functions. Also, chatting applications have become a popular way for people to communicate with each and everyone, but able to find someone with similar interest as you can be problematic. There are numerous chatting applications that allow for real-time communication over the Internet, however, the majority of the time, you ended up chatting with a stranger over the Internet that shares no common interest with you. We want to develop a chatting application combined with the advantages of location-based feature which could make the chatting experience interesting and efficient. Our intent is to develop an iOS application that utilized the GPS technology and personal preferences to locate the perfect groups and people within the distance. Unlike many chatting applications, our application allows the users to appear anonymously and contains auto-remove feature for personal privacy and security.

## Project Objectives

- Develop an iOS application that utilized the GPS system to allow the users to search for groups or people with similar interest within the radius
- Develop a tagging system that allows the use of various keywords to be associated with certain group or people for ease of searching
- Develop an auto-remove system which will automatically remove groups or people the user is not associated with after certain period of time
- Implement a chatting system which allows communication, along with backend that can store basic information about the users
- Implement an anonymous system which allows users the ability to appear anonymously
- If time permits, add in the ability to search for roommates for better roommate searching experience
- If time permits, add in a save function which allows the users to stay in the desired group even after certain period of time

## Stakeholders

- *Users*: People who want to talk to others within the surrounding area with a similar interest in a group, which is based on GPS location signal.
- *Developers*: Weichu Hu, Wendi Zhang, Siyu Jiang, Kenny Zheng, Zuoyang Ding
- *Project manager*: Weichu Hu
- *Project owner*: Weichu Hu, Wendi Zhang, Siyu Jiang, Kenny Zheng, Zuoyang Ding

## Deliverable

- User login with Facebook API
- REST API which allows the users to communicate with each other.
- Platform, framework, and tools:
  - Swift for IOS platform
  - Swift for backend: Firebase
  - Google API for location
  - Github for version control