



# Community Connect

Meet others near you

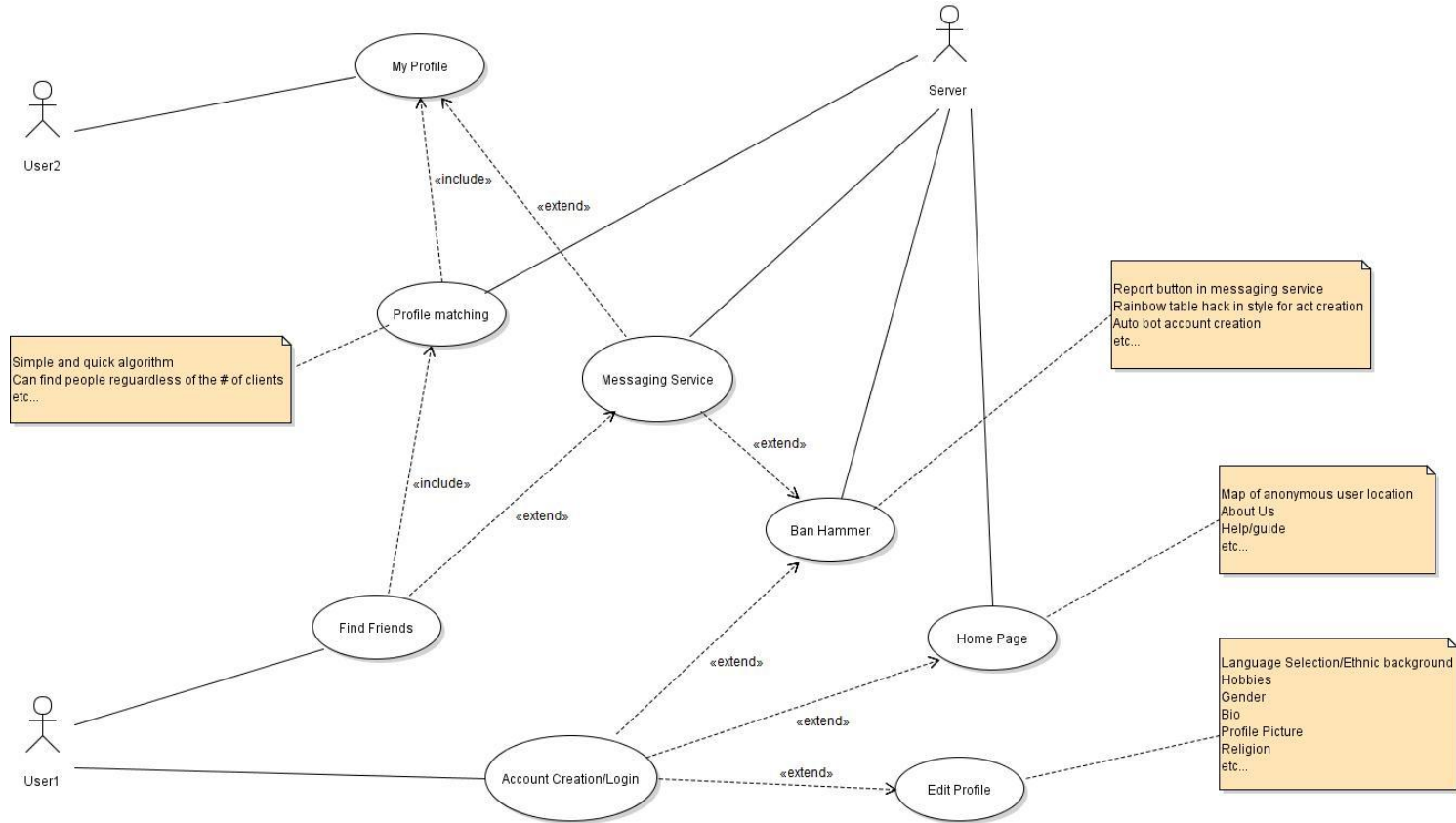
By Kamron, Thomas, Quinton, Sam and Leif



# Requirements

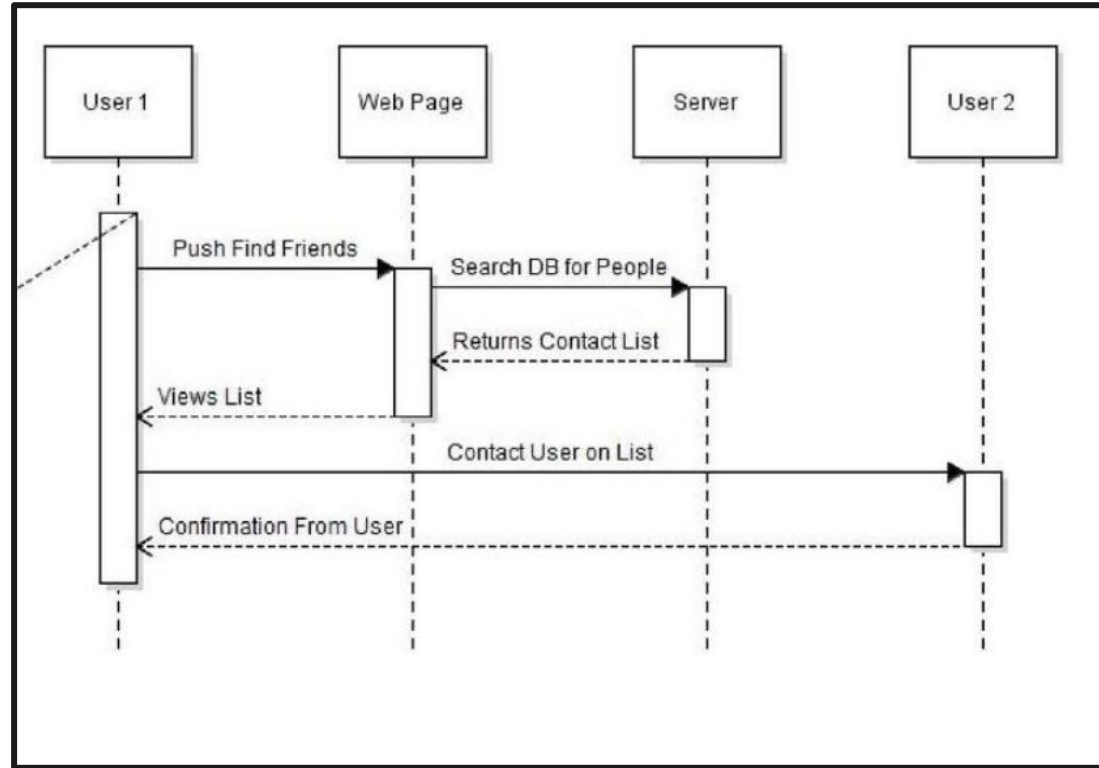
- Functional Requirements
  - User can create and update their profile
    - Contact info, location, ethnicity, etc
  - Search function by
    - Ethnicity
    - Location
- Non-Functional Requirements
  - Security
    - Protect user information
  - Will return search results within 1 minute

# System Design



# Sequence Diagram

- Diagram for profile matching Use Case
- Friend finding and match creation
- User send “friend” requests which need to be confirmed then users can message each other



Sequence Diagram #1



# Planning and Risk Analysis

- Spiral Model
  - Starting small limits risks
  - Only add features when previous is complete
  - Each week we will add a new feature
- Meeting every week to discuss progress
- Each task has a clear goal
  - Simple and specific requirements
- Minimize database use for speed
- Limit UI complexity
  - Easy for user
  - Easy for development

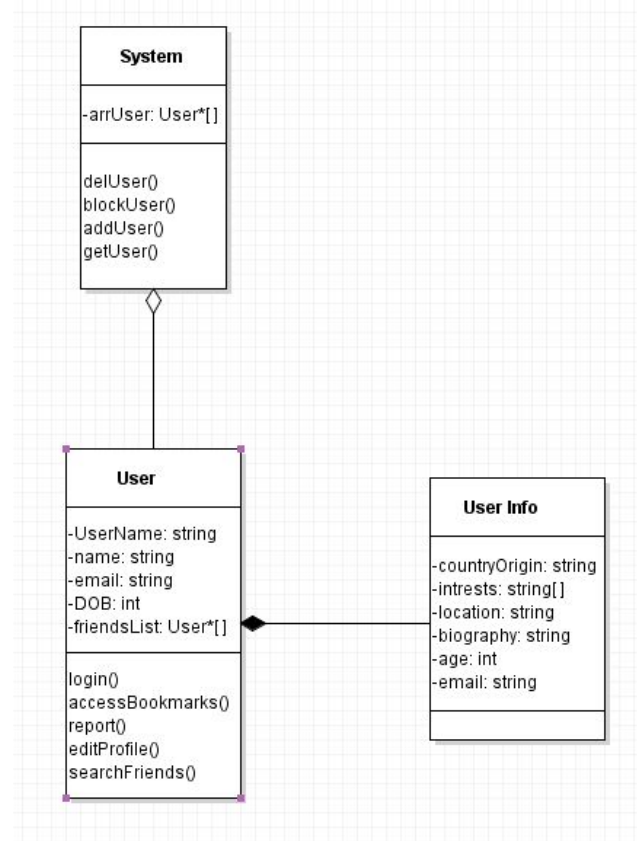


# Packages & Design Patterns

- Modules
  - User package
  - System class
- Coupling & Cohesion
  - Cohesive System class
  - Coupling between System and User
- Visitor Pattern
  - User profiles
  - Displaying matches
- Builder Pattern
  - Profile creation
- Proxy Pattern
  - Authentication

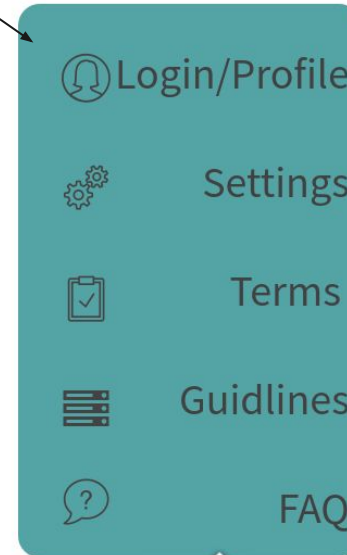
# UML Class Diagram

- System
  - Back End
  - Contains User Object
- User
  - Authentication
  - Moderates User Access
- User Info
  - Information Used in Matching Algorithm
  - Only obtainable if Authentication is Passed





# UI Interface Home Page



- Heat map to display User Concentration
- Google Maps API
- Split User Interface to reflect object in our implementation

The tab would appear as a drop down menu from the menu icon of the home page.





Username:   
Password:   
Forgot you password?

[Terms of Use](#) | [FAQ](#)

# Login Path and Profile Access

CommunityConnect

Profile

Menu

Change Photo

Submit

<

>

Name:

Location:

Country of Origin:

Contact:

Interests:

Biography:

This user could then

Get Connected

View Your Friends

Terms of Use

FAQ

CommunityConnect

Create Profile

Menu

Change

Submit

<

>

UserName:

Password:

Name:

Location:

Country of Origin:

Contact:

Interests:

Biography:

Date of Birth:

Terms of Use: ☒ agree ☐ disagree



## Finding You New Friends.



## Results



Name

Interests:

Bio:



Name

Interests:

Bio:



This alternative would provide the user with the ability to upload multiple pictures of themselves. These photos could be scrolled through by clicking the above arrows.

**Name:** Kamron  
**Location:** Corvallis, OR  
**Country of Origin:** United States  
**Contact:** ComCon@gmail.com  
**Interests:** Studying  
**Biography:** A one paragraph blip about oneself...

These to  
the indi


## Performing a Search



## Connections




Menu




**Interests:**

**Bio:**


☐ **Name** 

By pressing this button you could message the person email. The button on the left would report the individual if you had a bad experience interacting with them.



**Interests:**

**Bio:**

☐ **Name** 



## Settings

**Age Range:**

**Mile Radius:**

**Encode Email:** ☒

**Filter by:** ☐ Interests

☐ Country of Origin

**Language:**



Update

[Terms of Use](#) | [FAQ](#)

# Accessing Friends/Settings