Sit With Us

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Definition

Sit With Us is a social networking app designed to allow users to spontaneously meet up with other users in a nearby area.

Users will create profiles and arrange meet-ups with other users based on location and profile similarity, such as shared interests.

The goal is to create an app which will allow people to develop friendships through chance encounters with people who happen to be nearby

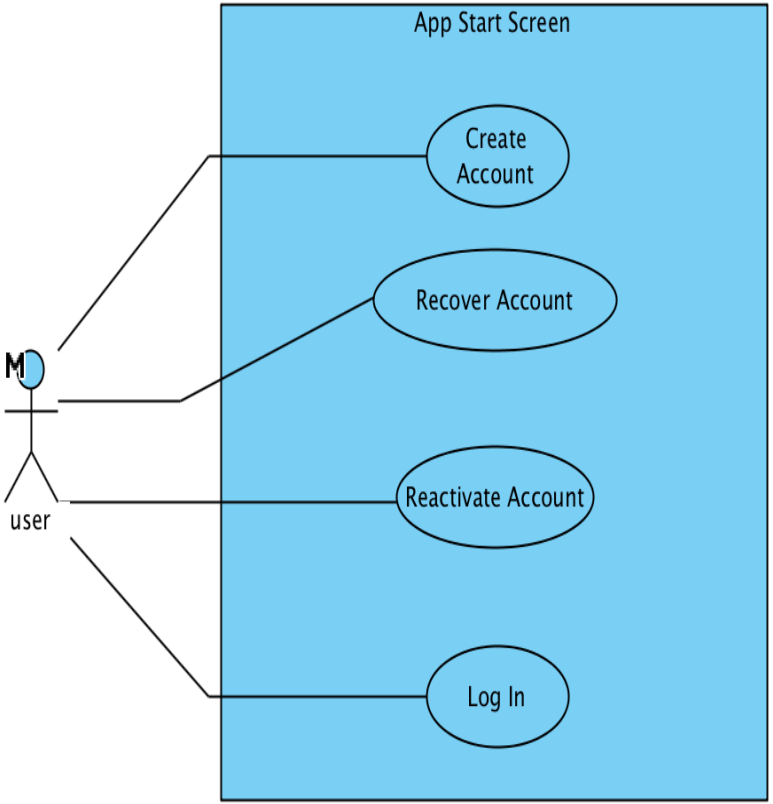
Scope

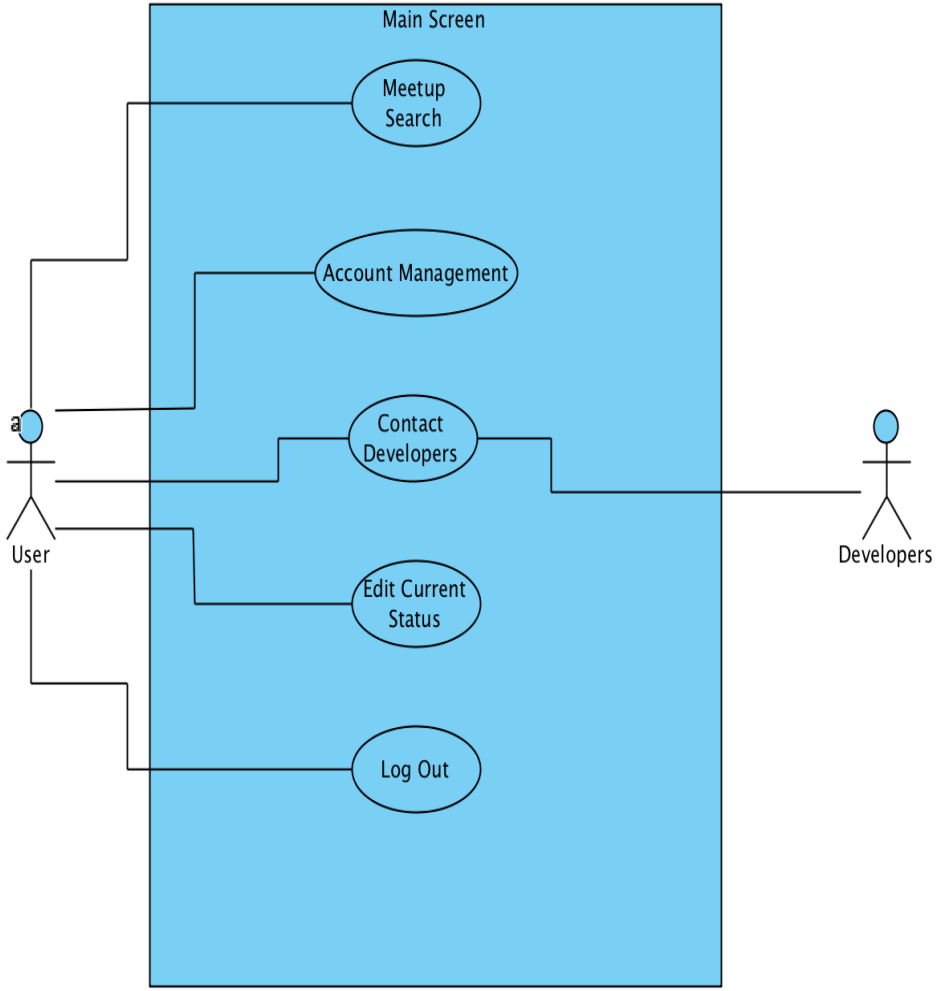
The app will run on the Android platform. The app will utilize the Android framework to develop and easy-to-user user interface that facilitates meeting new people spontaneously. The app will use GPS to determine the location of the user and will access the user's contact list to make it easy to include their friends in meetups as well as make it easy to save the contact information of people a user meets.

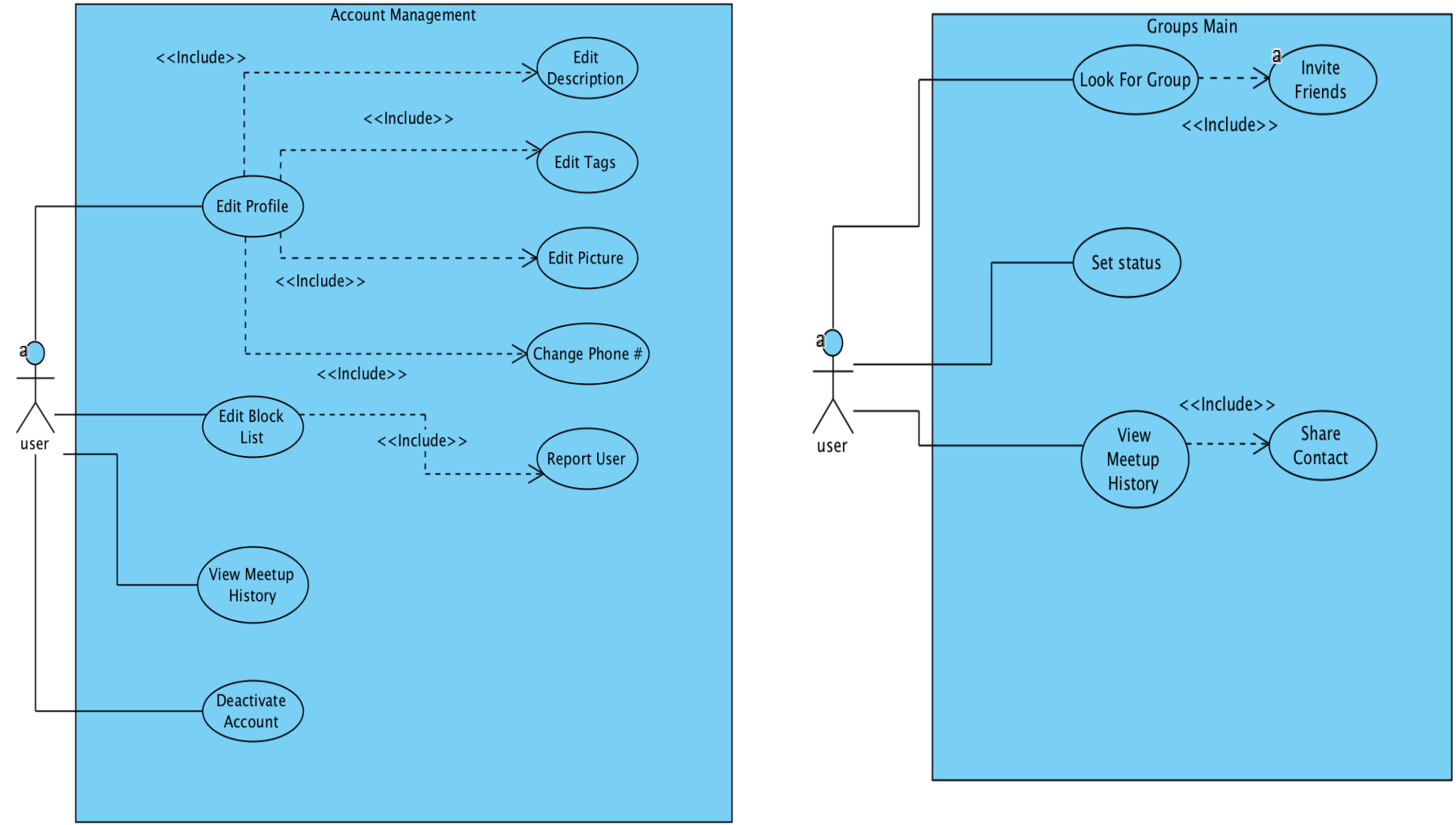
The project will require a backend server to store user information and to connect users to each other. The server will have to use user feedback from previous meetups to determine which pair of users would mostly produce a meetup that goes well.

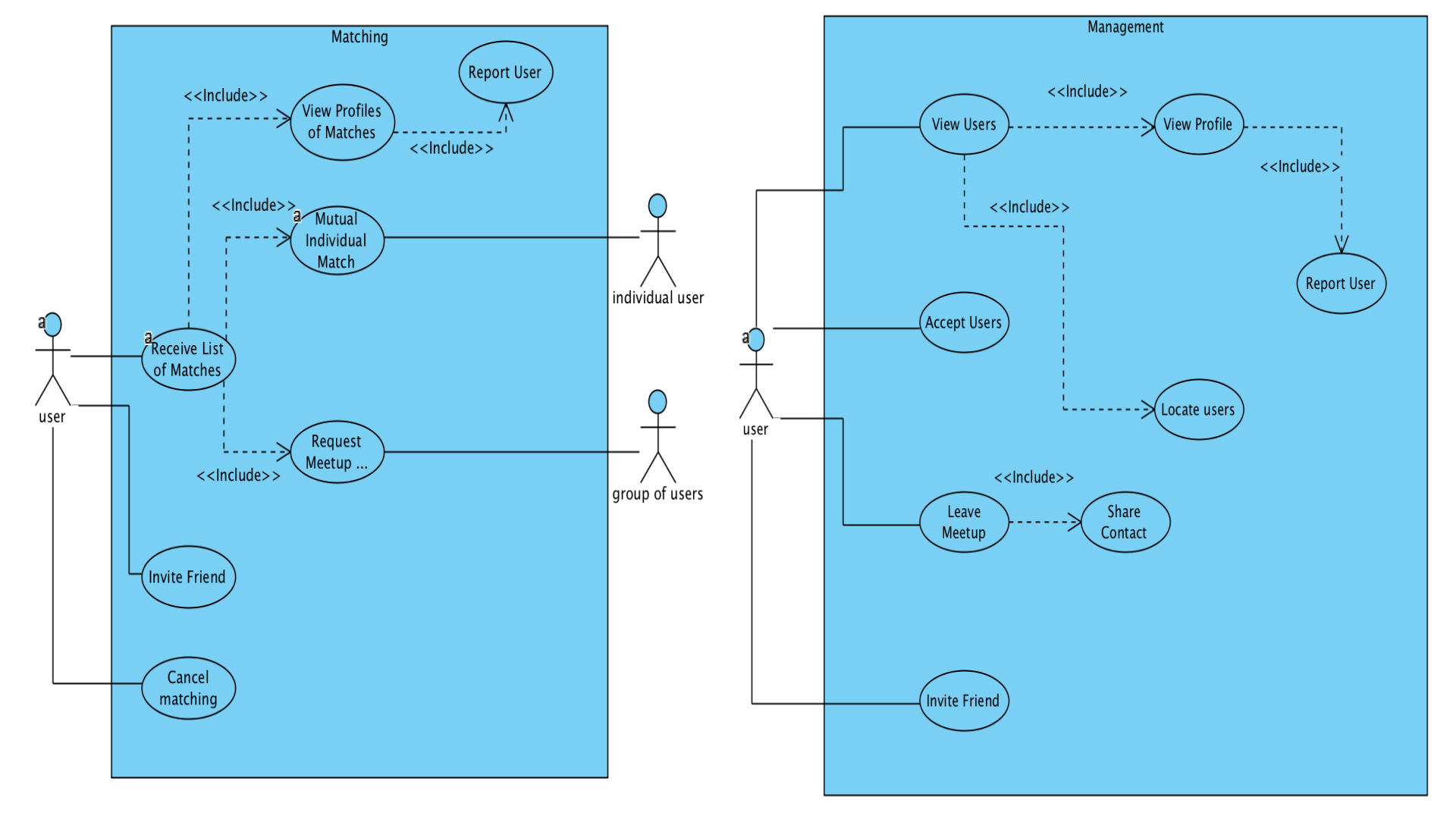
Use Cases

- Identified six major use-cases
  - Log-in/Start Screen
  - Main screen
  - Account Management
  - Group/Meetup Matching
  - Meetups Main
  - Meetup Management

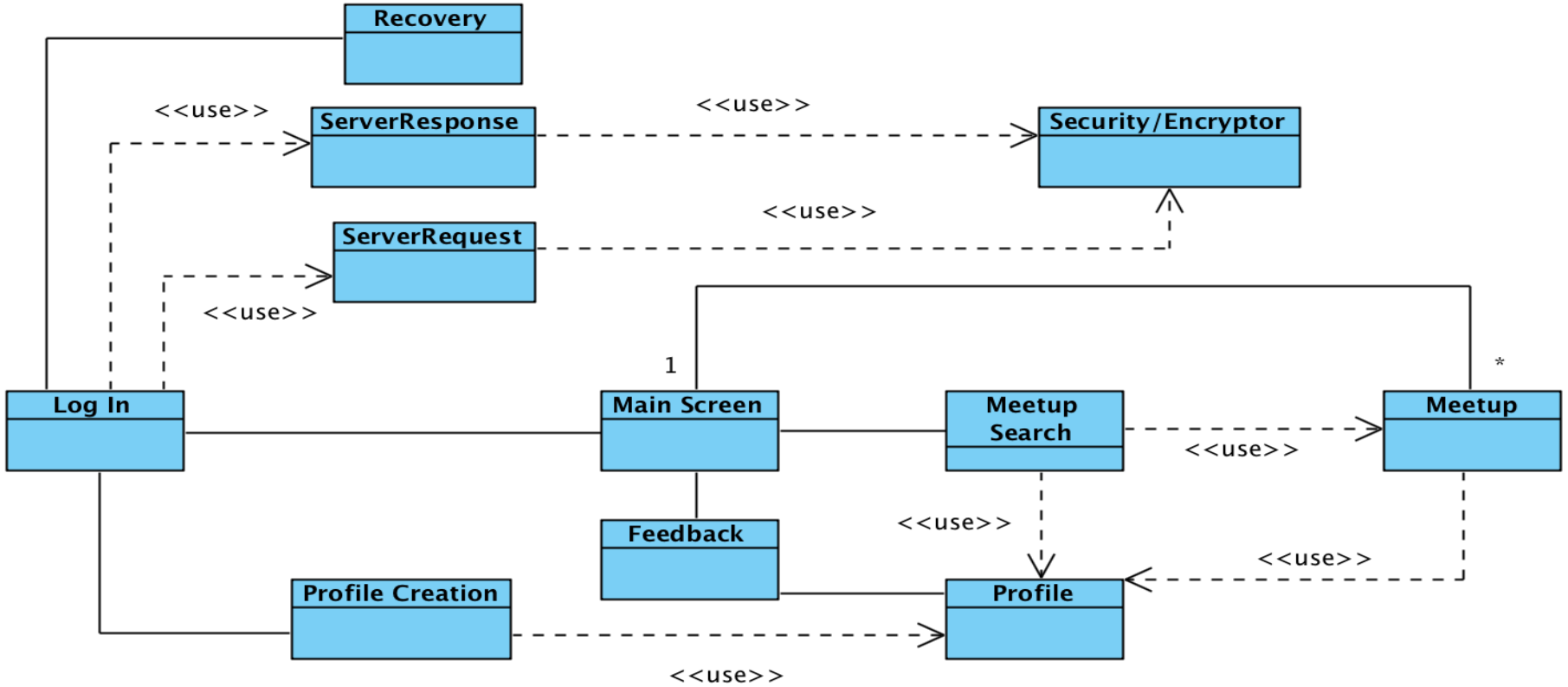

App Start Screen
Create Account
Recover Account
Reactivate Account
Log In
user


Main Screen
Meetup Search
Account Management
Contact Developers
Edit Current Status
Log Out
User
Developers


Account Management
<<Include>>
Edit Description
<<Include>>
Edit Tags
Edit Profile
Edit Picture
<<Include>>
<<Include>>
Change Phone #
<<Include>>
Edit Block List
<<Include>>
Report User
user
View Meetup History
Deactivate Account
Groups Main
Look For Group
Invite Friends
<<Include>>
Set status
user
<<Include>>
View Meetup History
Share Contact

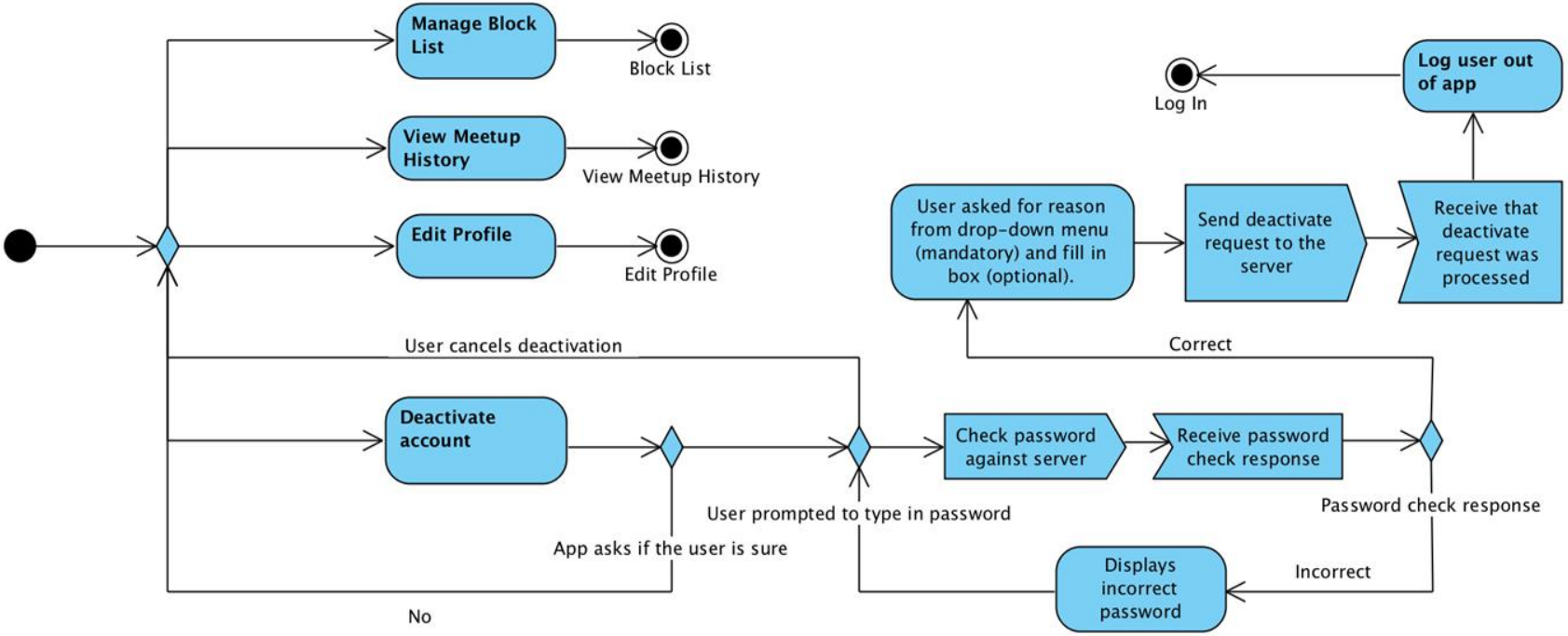

Matching
Report User
<<Include>>
View Profiles of Matches
<<Include>>
<<Include>>
Mutual Individual Match
individual user
Receive List of Matches
user
Request Meetup ...
<<Include>>
group of users
Invite Friend
Cancel matching
Management
<<Include>>
View Users
View Profile
<<Include>>
<<Include>>
Report User
Accept Users
user
Locate users
<<Include>>
Leave Meetup
Share Contact
Invite Friend

High-level Class Diagram

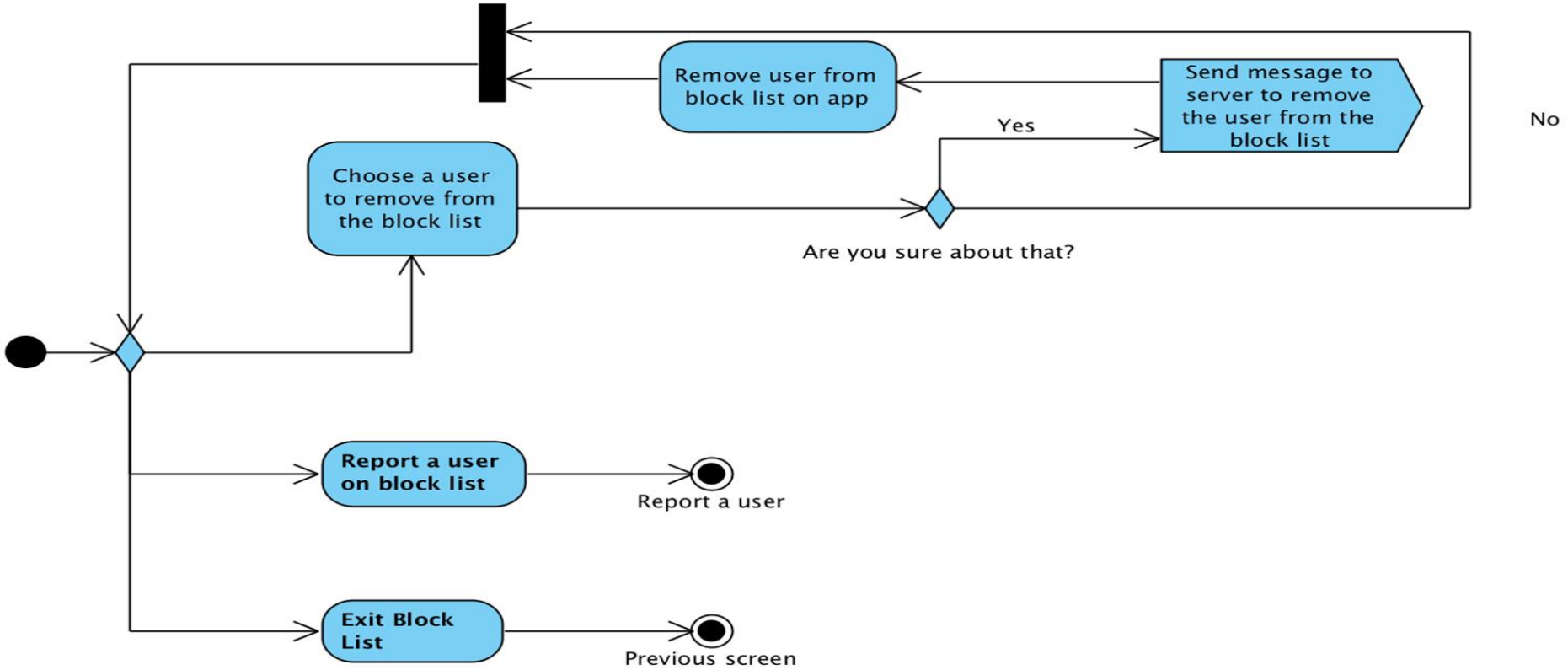


Activity Diagrams

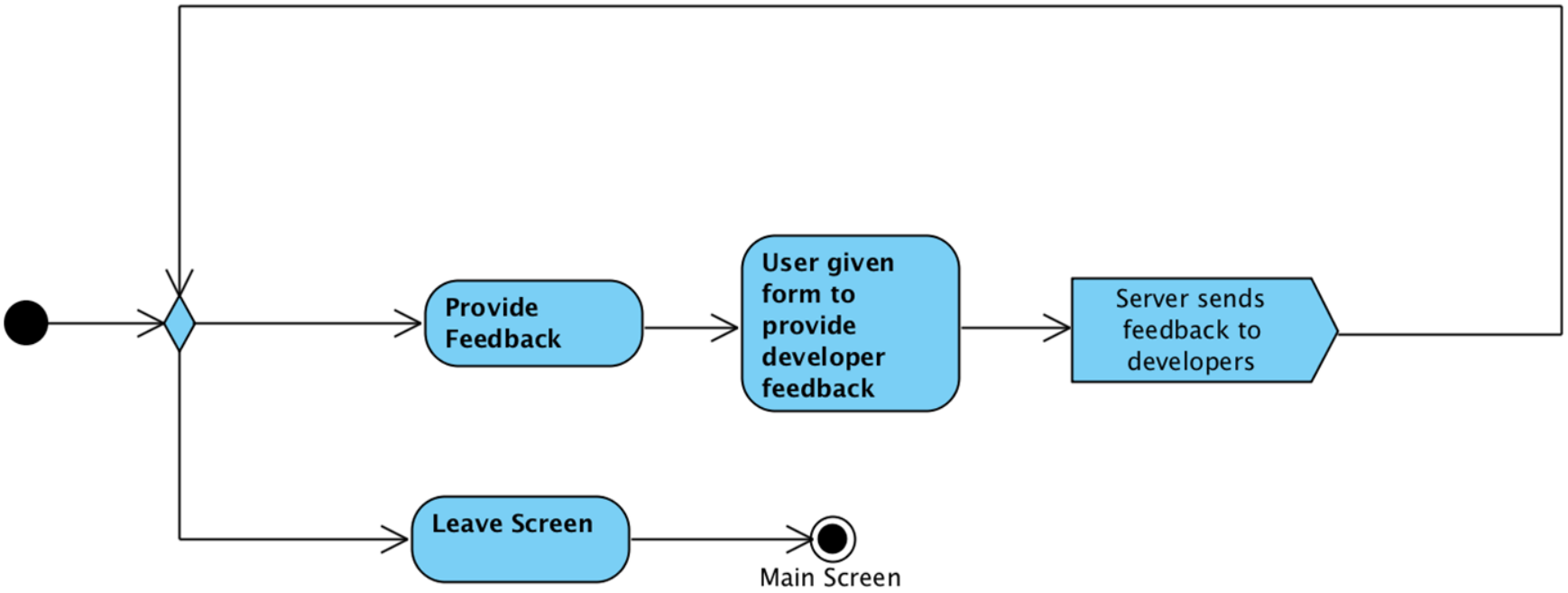
Account Management



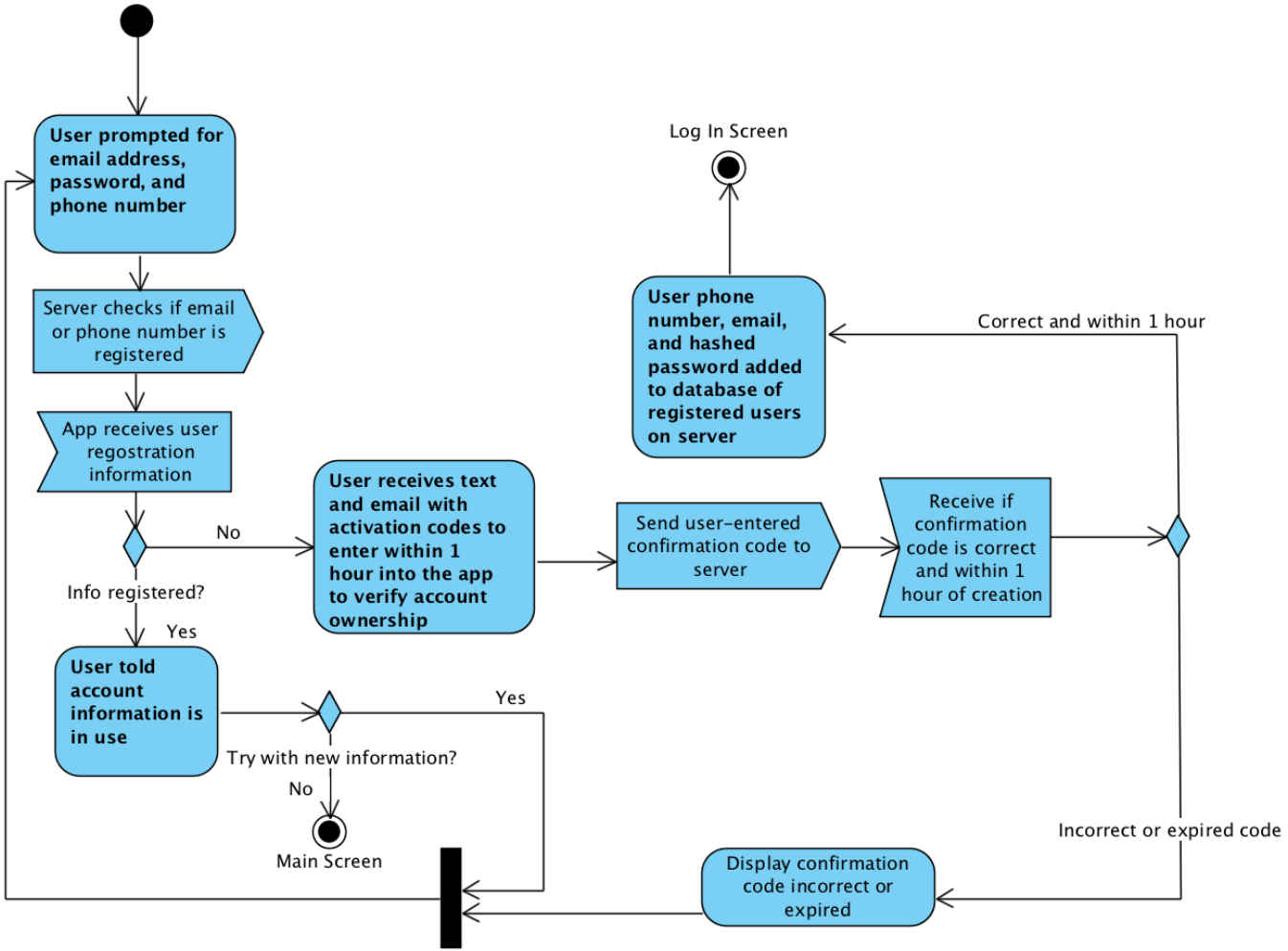
Block List


Remove user from block list on app
Send message to server to remove the user from the block list
Yes
No
Choose a user to remove from the block list
Are you sure about that?
Report a user on block list
Report a user
Exit Block List
Previous screen

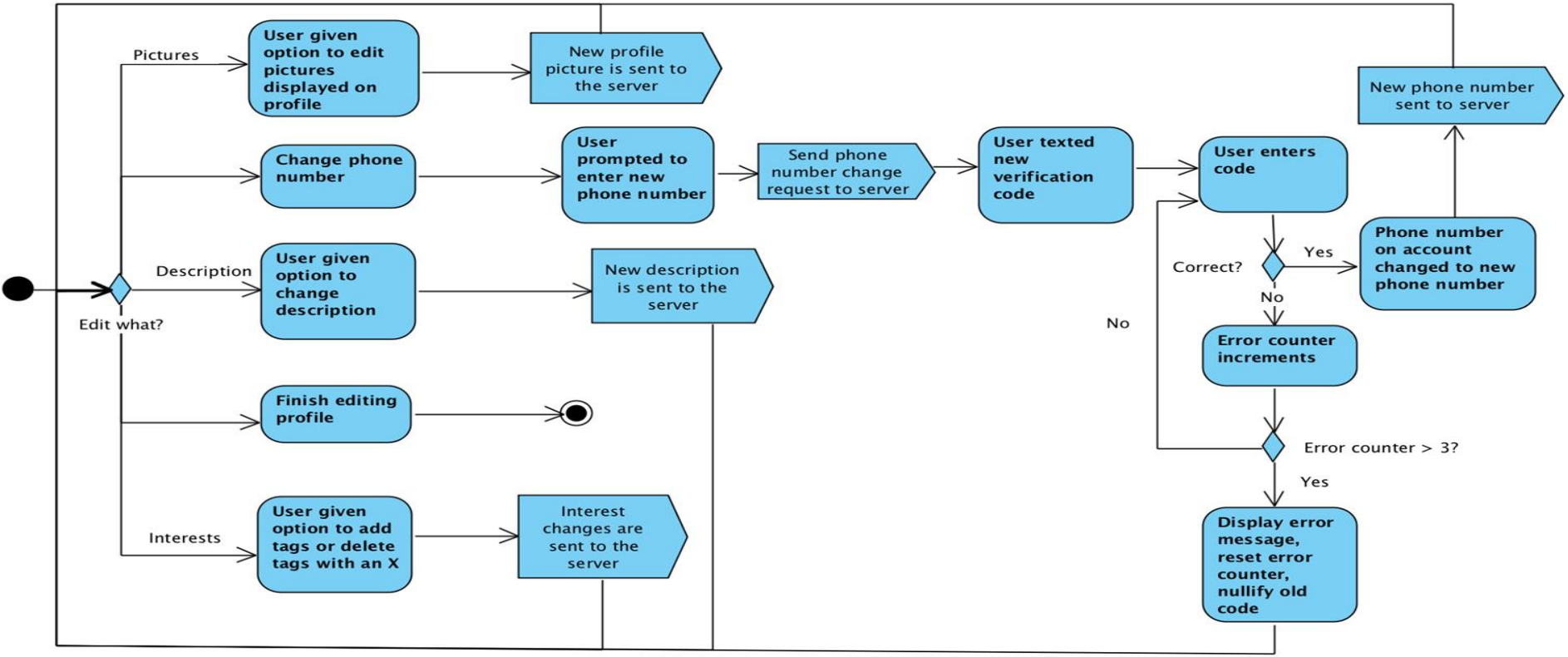
Contact Developers



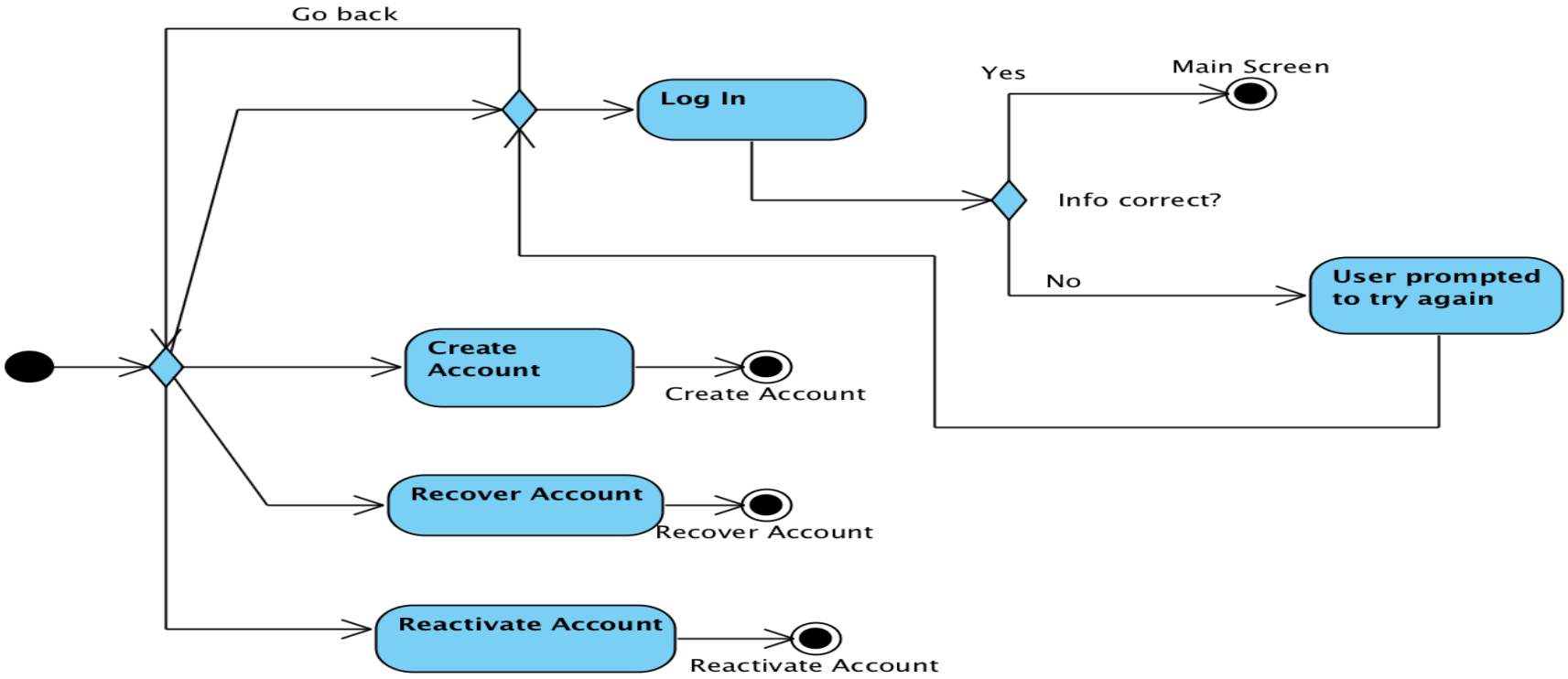
Create Account



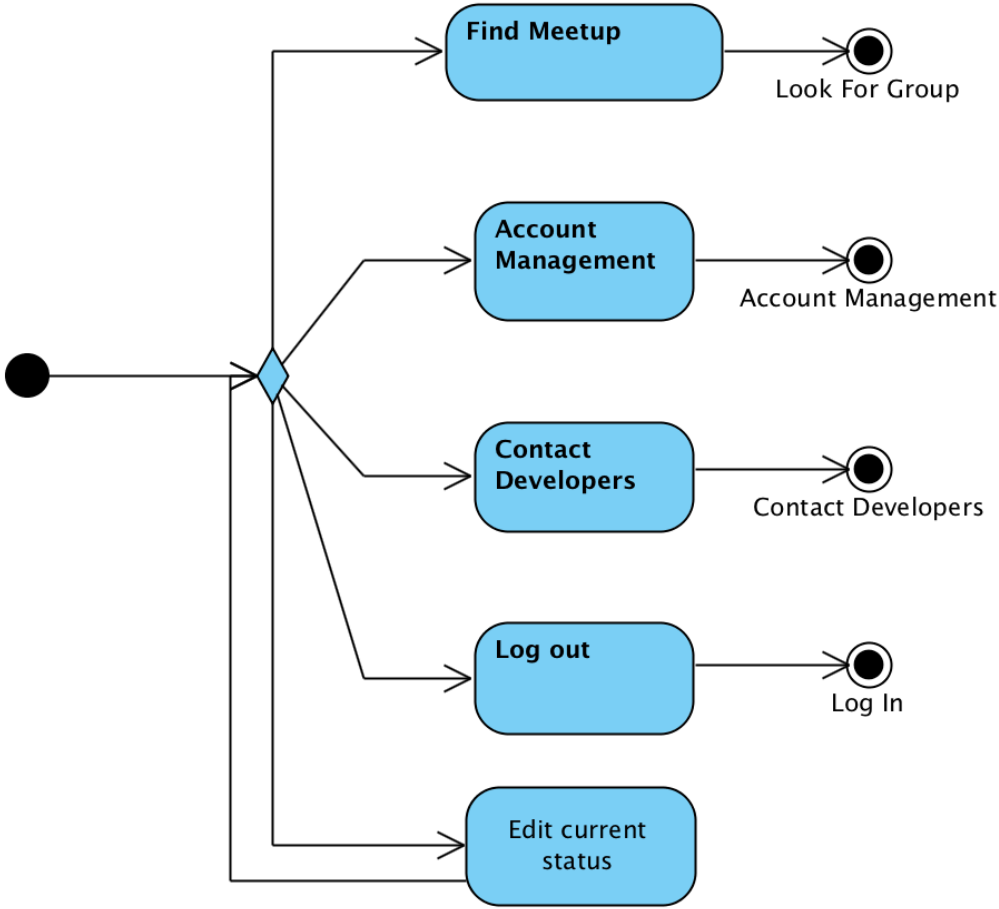
Edit Profile



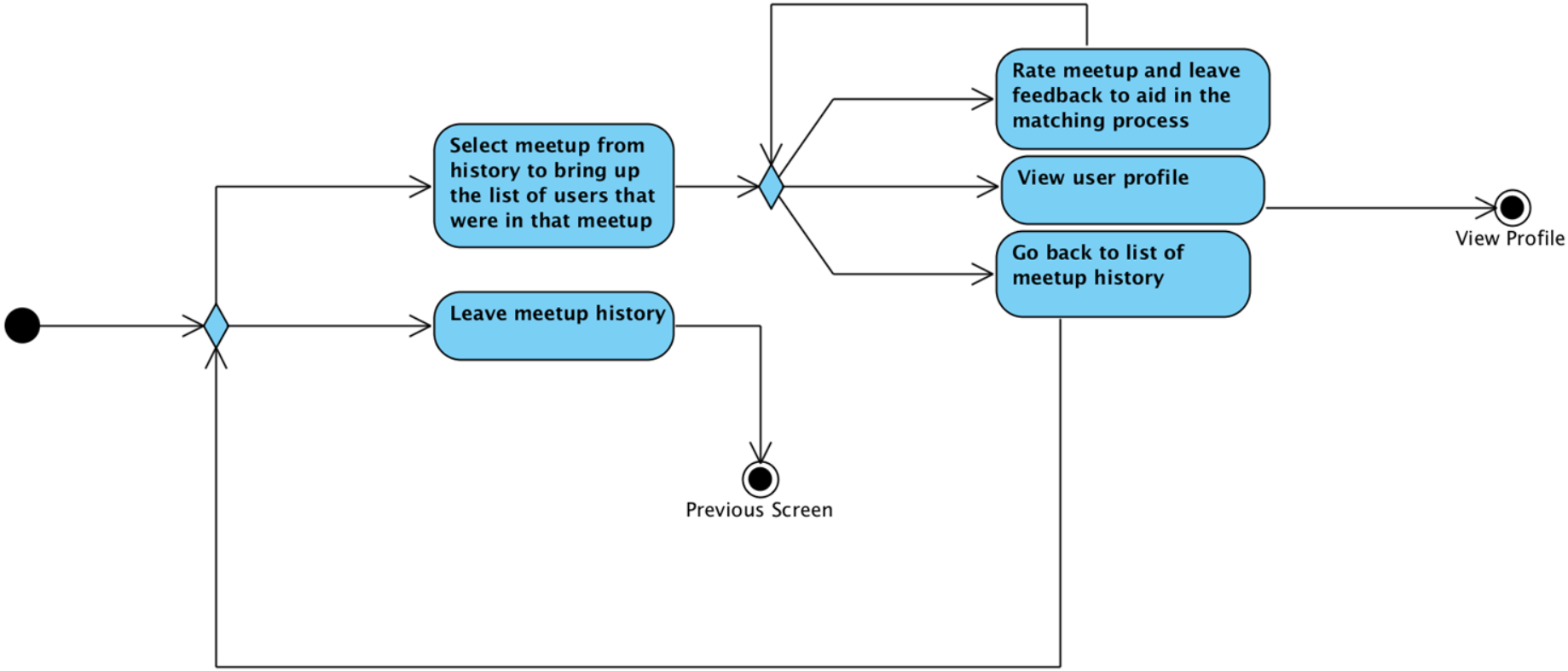
Log-in


Go back
Log In
Yes
Main Screen
Info correct?
No
User prompted to try again
Create Account
Create Account
Recover Account
Recover Account
Reactivate Account
Reactivate Account

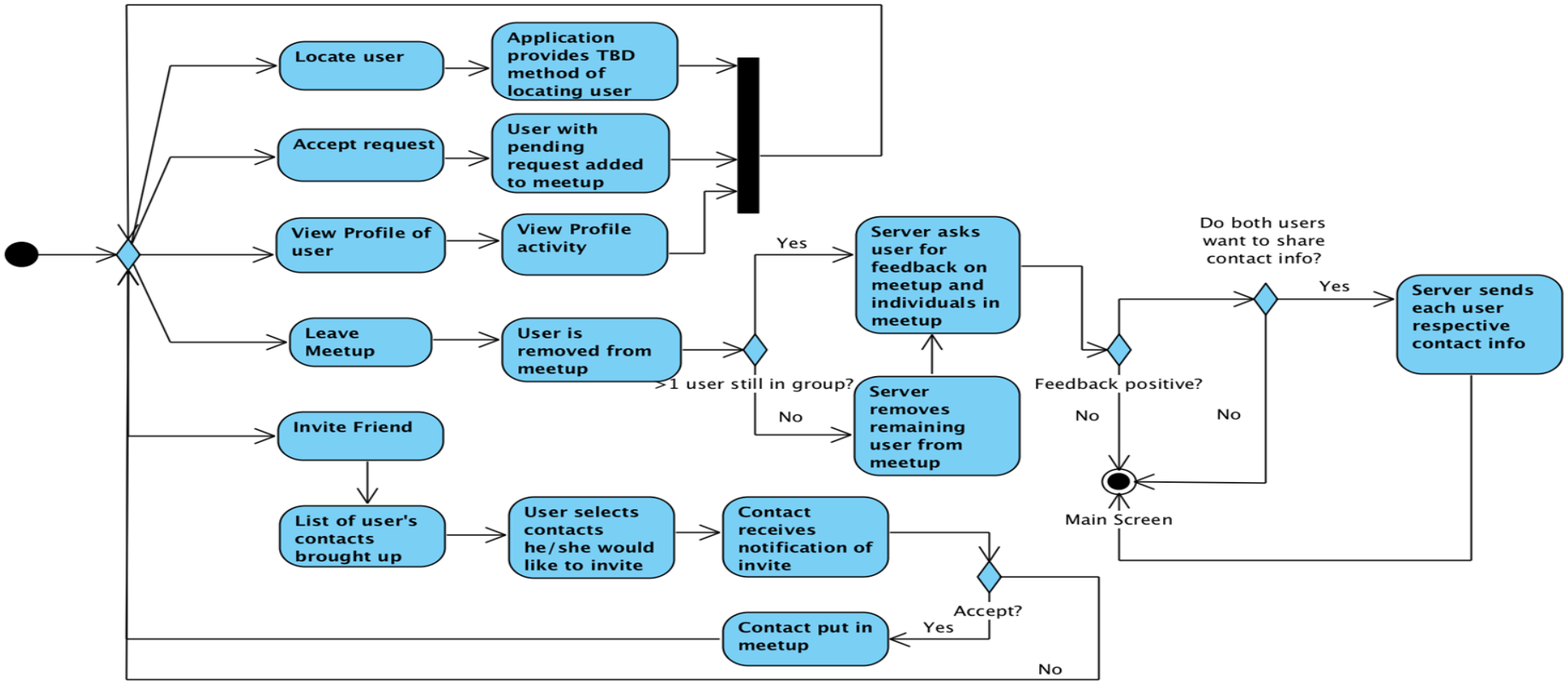
Main Screen


Find Meetup
Look For Group
Account Management
Account Management
Contact Developers
Contact Developers
Log out
Log In
Edit current status

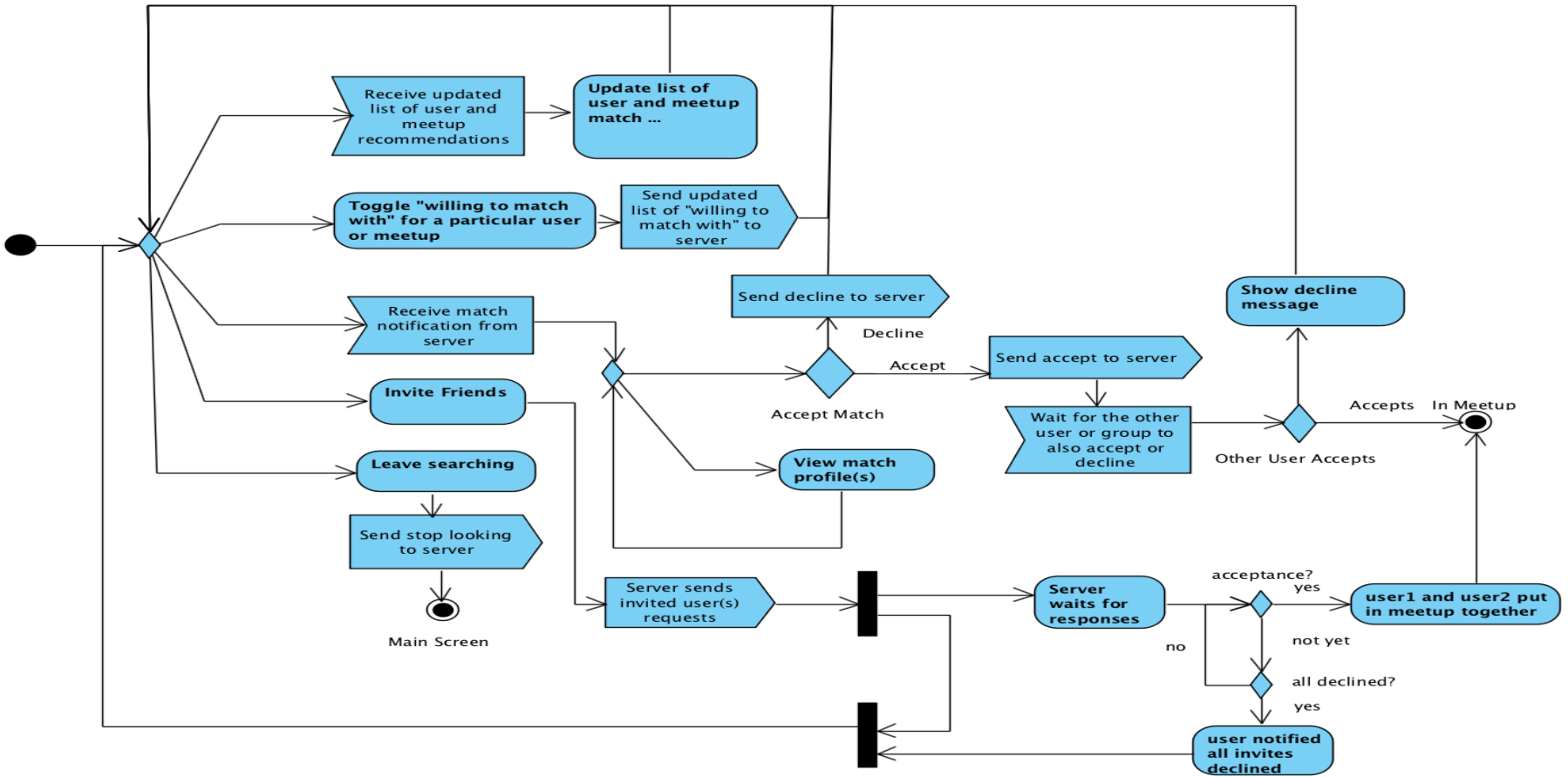
Meetup History



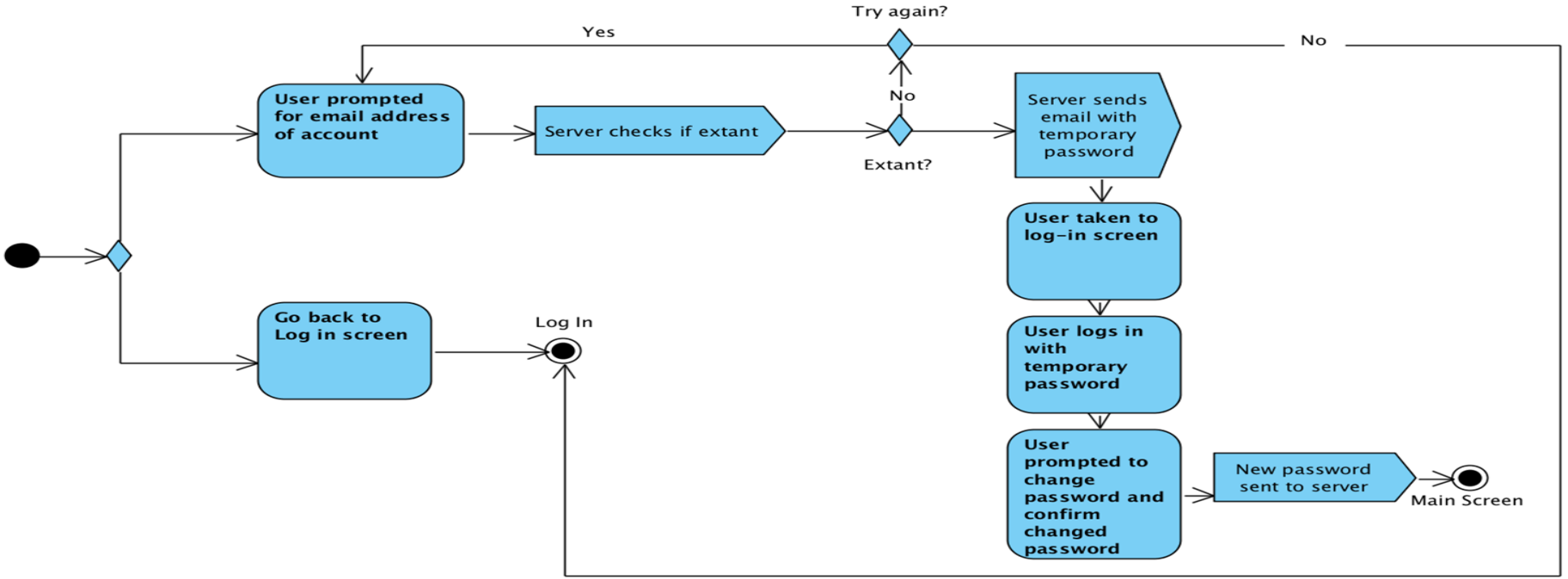
Meetup Management



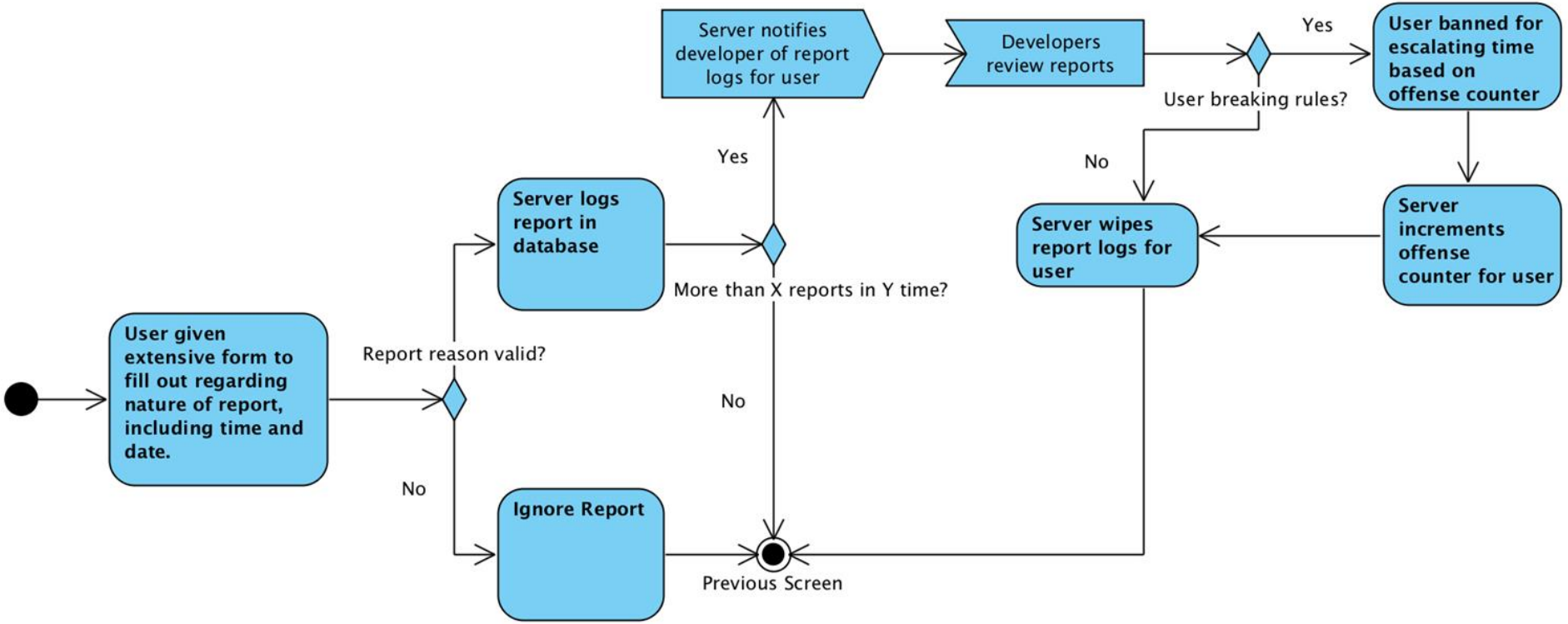
Meetup Search



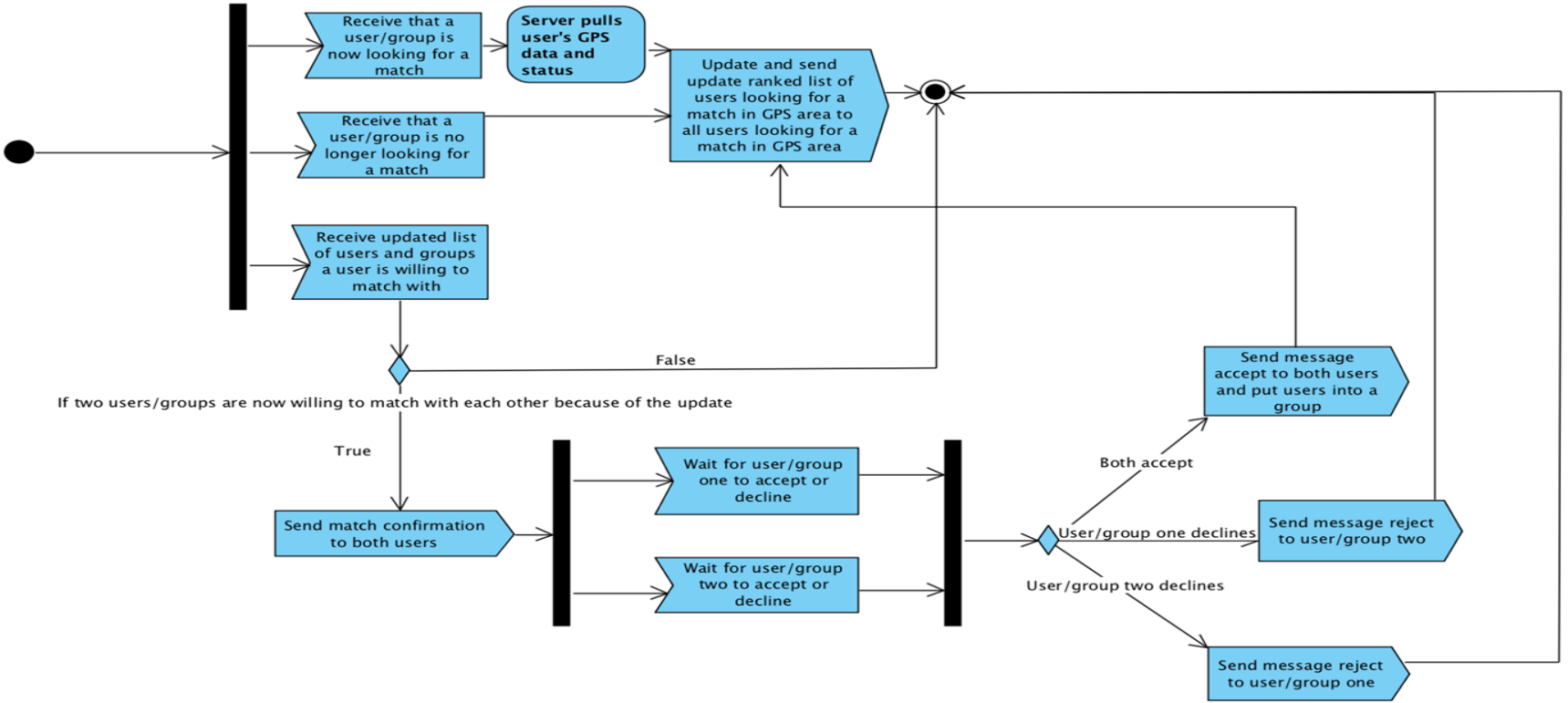
Recover Account



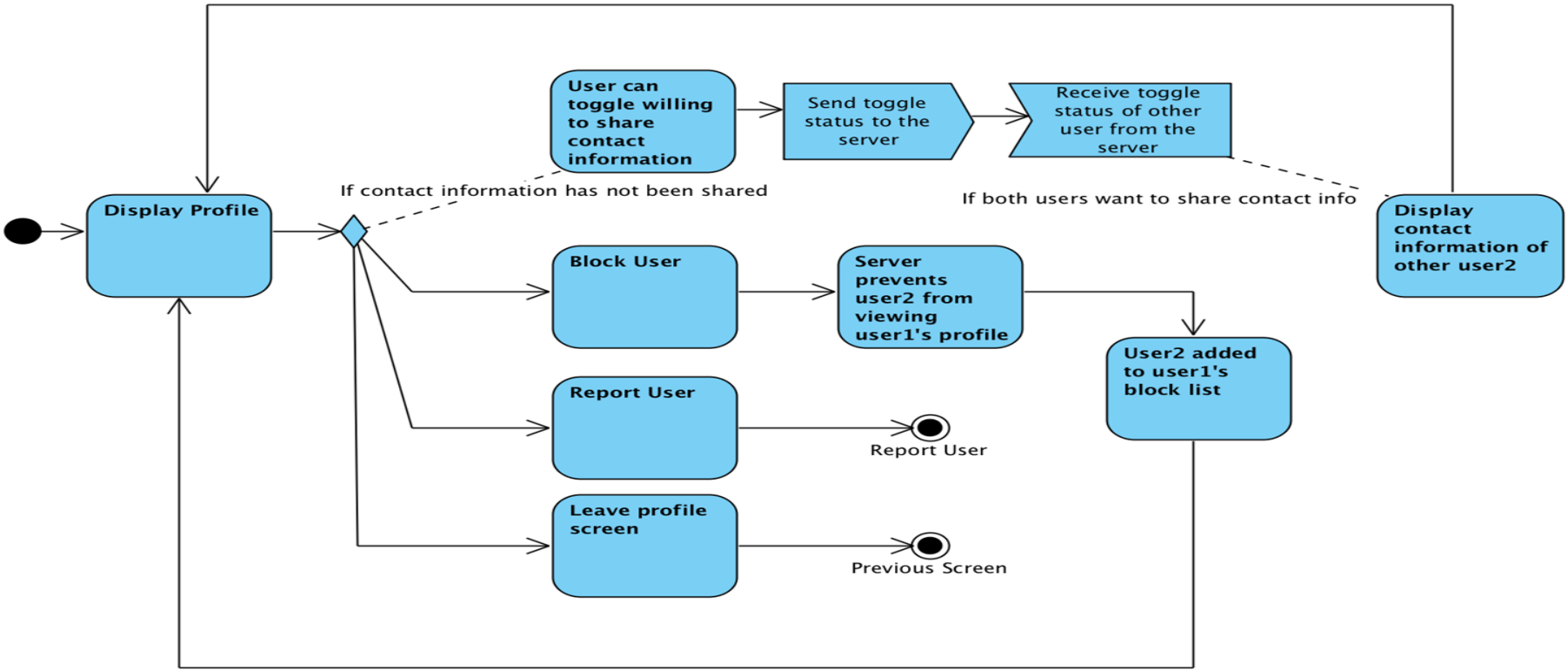
Report A User



Server Meetup Search



View Profile



Required Features

- Profiles implemented and working with ability to view another profile
- Log-in and security
- Matching with profiles
- Profile management
- Implementation of meetups
- GPS integration

Possible Features

- Meetup history
- Contact List integration
- Inviting contacts to meetups
- Block list

Future Features

- Optimization
- Sponsored Locations
- Machine-learning algorithm

Risks

- Too many features
- Improperly done security
  - Bad password hashing
  - Too easy to recover an account
- Time management
  - Seems like a lot of stuff to do, if we procrastinate, could end up not getting features implemented
- User adoption
  - Low user adoption leads to low matching leads to low usage leads to uninstalled app

Summary

- Exciting project
- Practical and has the potential to turn into a real app