ActivMatch

Scenario

Alice wants to play chess but she does not know any chess player.
Thus, she creates and publishes a new group on ActivMatch. She writes in the group description that she is interested in knowing other nearby chess players.

Bob, also wants to play chess, but he does not want to create a new group because he believes that someone else is already looking for a player. Hence, Bob creates a subscription on ActivMatch for group of chess players.

As there are currently no nearby chess players, the application will keep monitoring. Once Bob is close enough to Alice, he will be notified and will be able to join her group, which will enable them to slowly create a community of chess players in the area.

Idea Description

- Group publication: create a new group

- Group subscription: join a nearby group

- What is a group?
  - An association
  - An event
  - An activity

- Group features
  - Chat
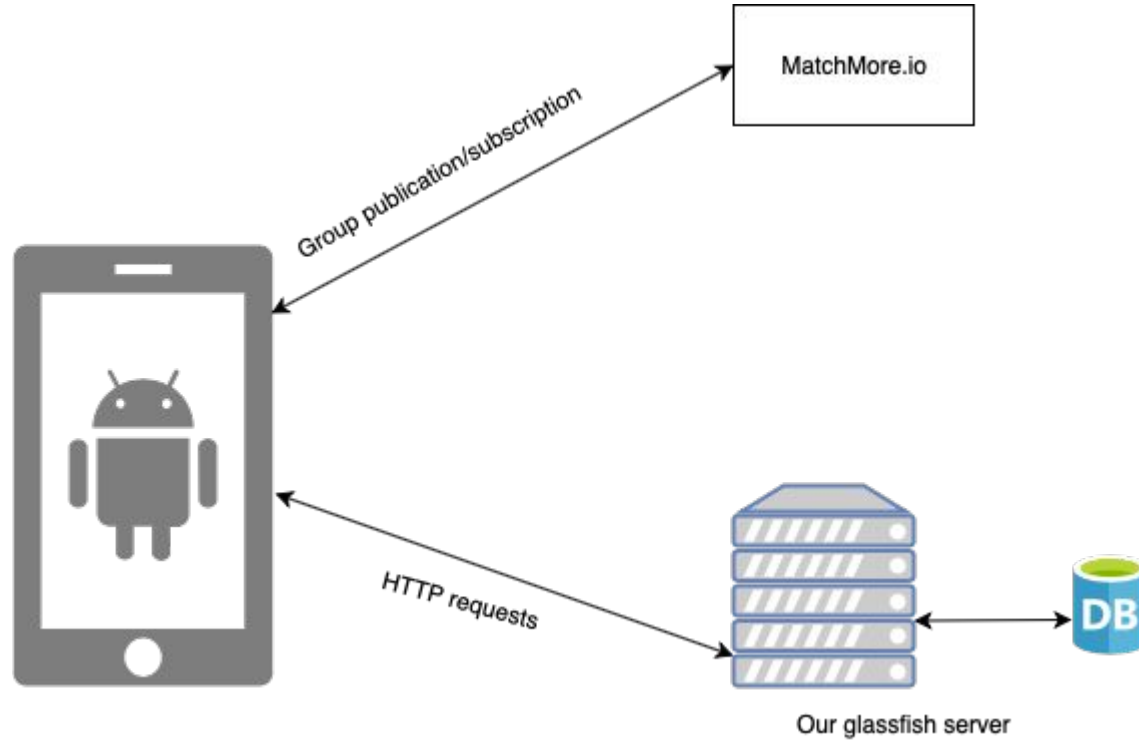 - List of members
  - File sharing

Groups & Users

- Groups
  - Searching for a specific group will notify you when one group that matches your needs is nearby or directly show you the list if possible.
  - Once a group is joined, you will be part of the group regardless of your location.
  - Joining a group will allow you to interact with the other members.
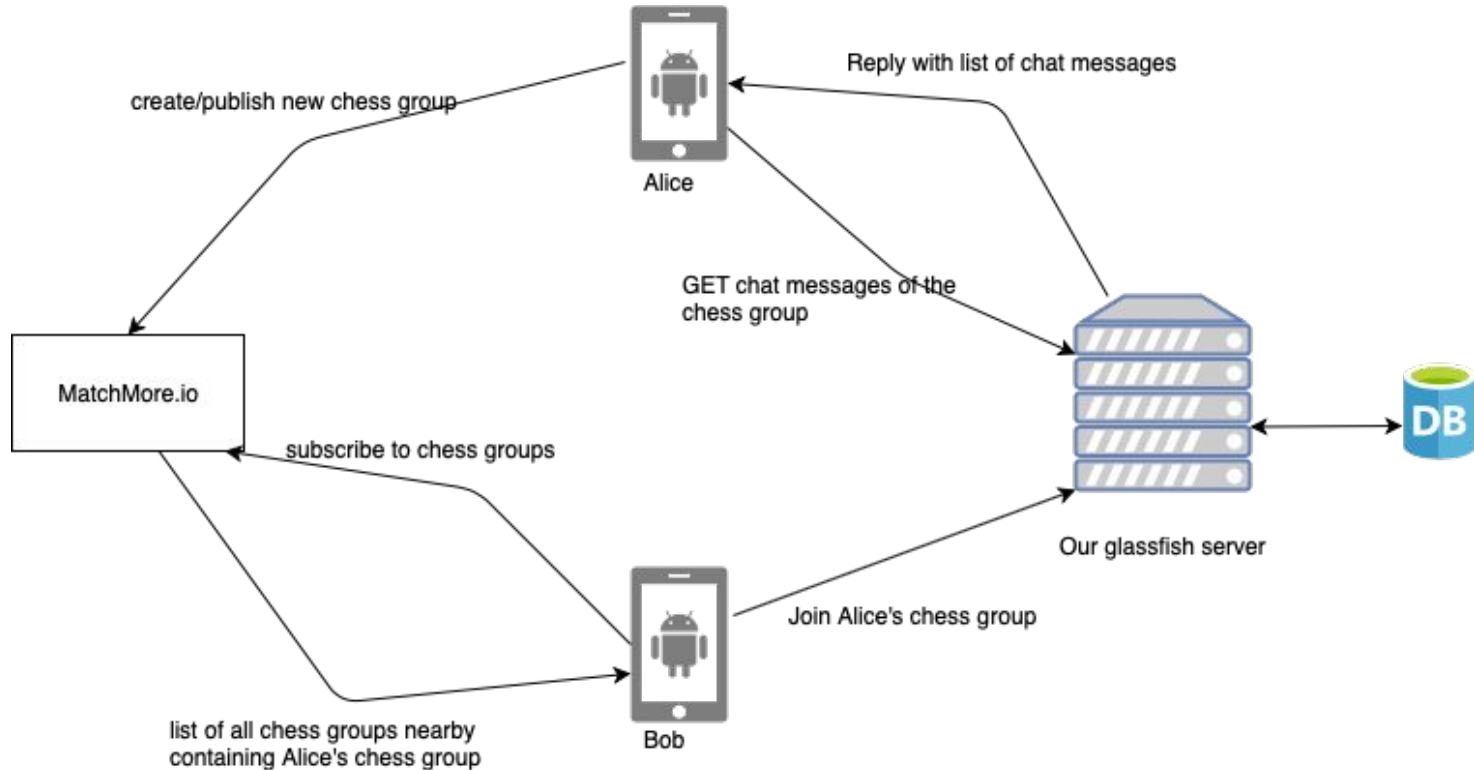
- Users
  - A user can leave a group whenever he wants.
  - A user will have a current state: Available/Unavailable.
  - When marking yourself available, the application will go through all your groups and notify you if someone else is also available so you can meet up.
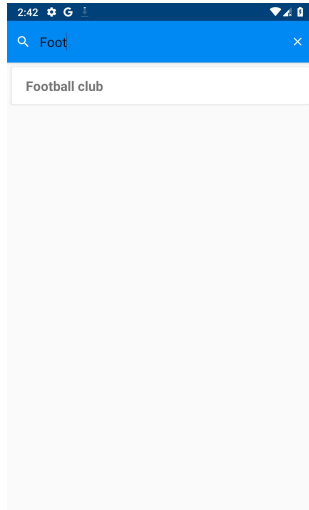
Architecture

MatchMore.io

Group publication/subscription

HTTP requests

Our glassfish server

DB

Scenario-Architecture

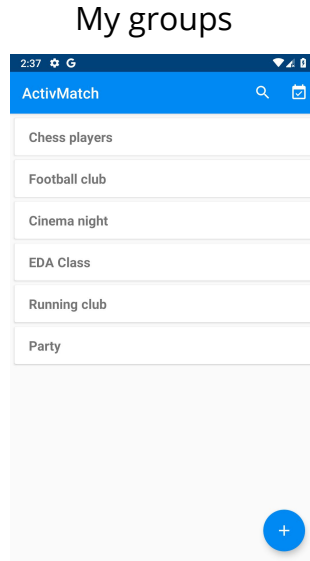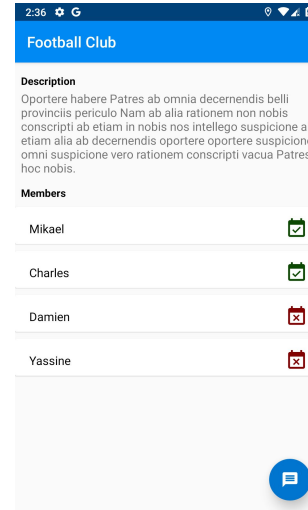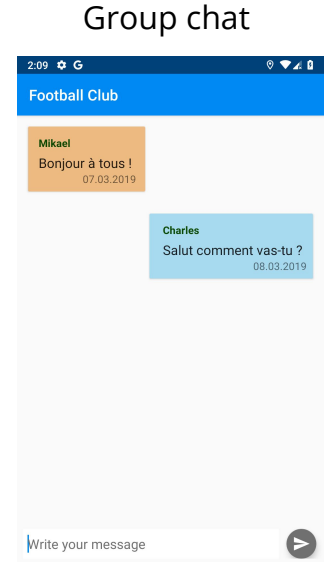# Design Ideas

Group search

My groups

Group details

Group chat