



2BETTER  
TOGETHER IS BETTER

# US

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# OUR PROJECT



The idea of 2Better is to create ultimate destination for sports enthusiasts to connect, compete, and thrive together. Our mission is to create a vibrant community where individuals from diverse backgrounds unite through their shared passion for sports. Whether you're into basketball, baseball, soccer, swimming, or any other sport imaginable, you'll find like-minded individuals and exciting opportunities to engage in your favorite activities.

# TEAM CONTRIBUTIONS

- Maor - Groups and all around it
- Ron - Front, NavigateBar, Home , profile
- Aviya - Meeting card, Register, Login
- Matan - Meeting screens, Chat, Member List
- Aviv - Notifications and all around it

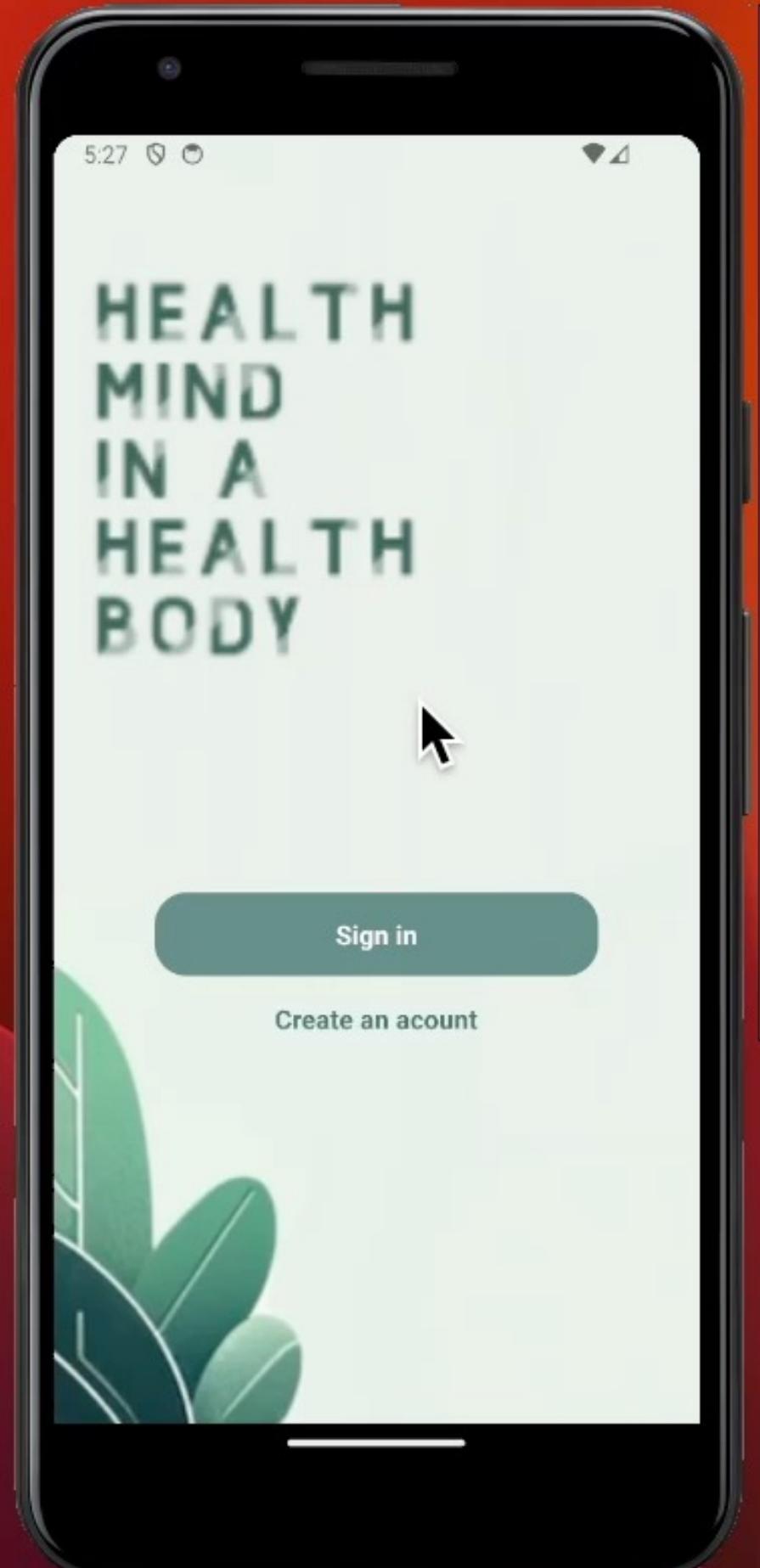
# SYSTEM OVERVIEW AND NEED

- 2Better is a revolutionary social platform designed to connect sports enthusiasts, transforming solo workouts into a fun, community-driven experience.
- By matching users with local sports teams and events, 2Better fosters camaraderie, motivation, and a sense of belonging.
- It's not just an app; it's a movement towards a healthier, more connected lifestyle through the power of shared sports activities. ]
- Join 2Better and discover how together, we make fitness more enjoyable and inspiring for everyone.

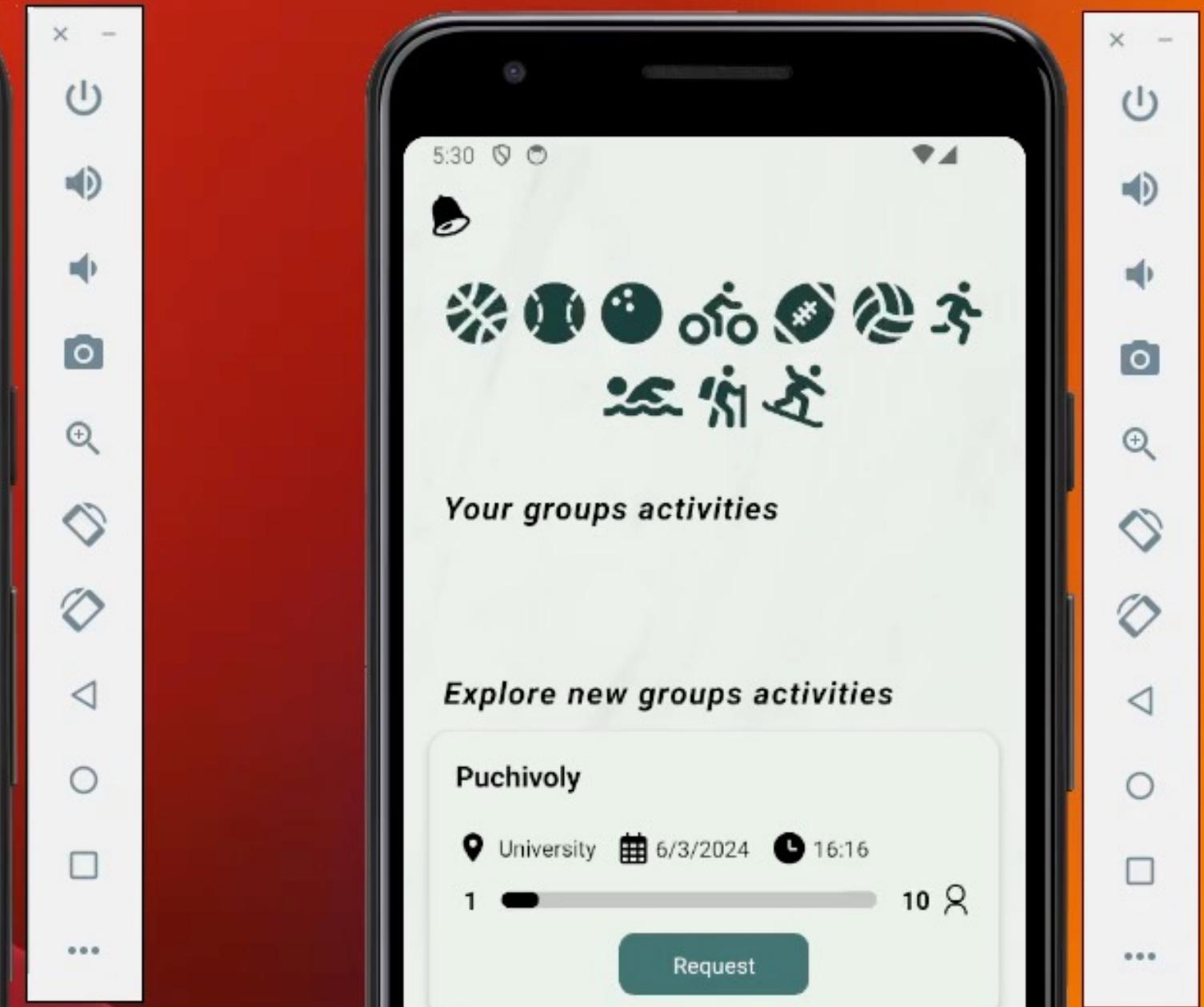
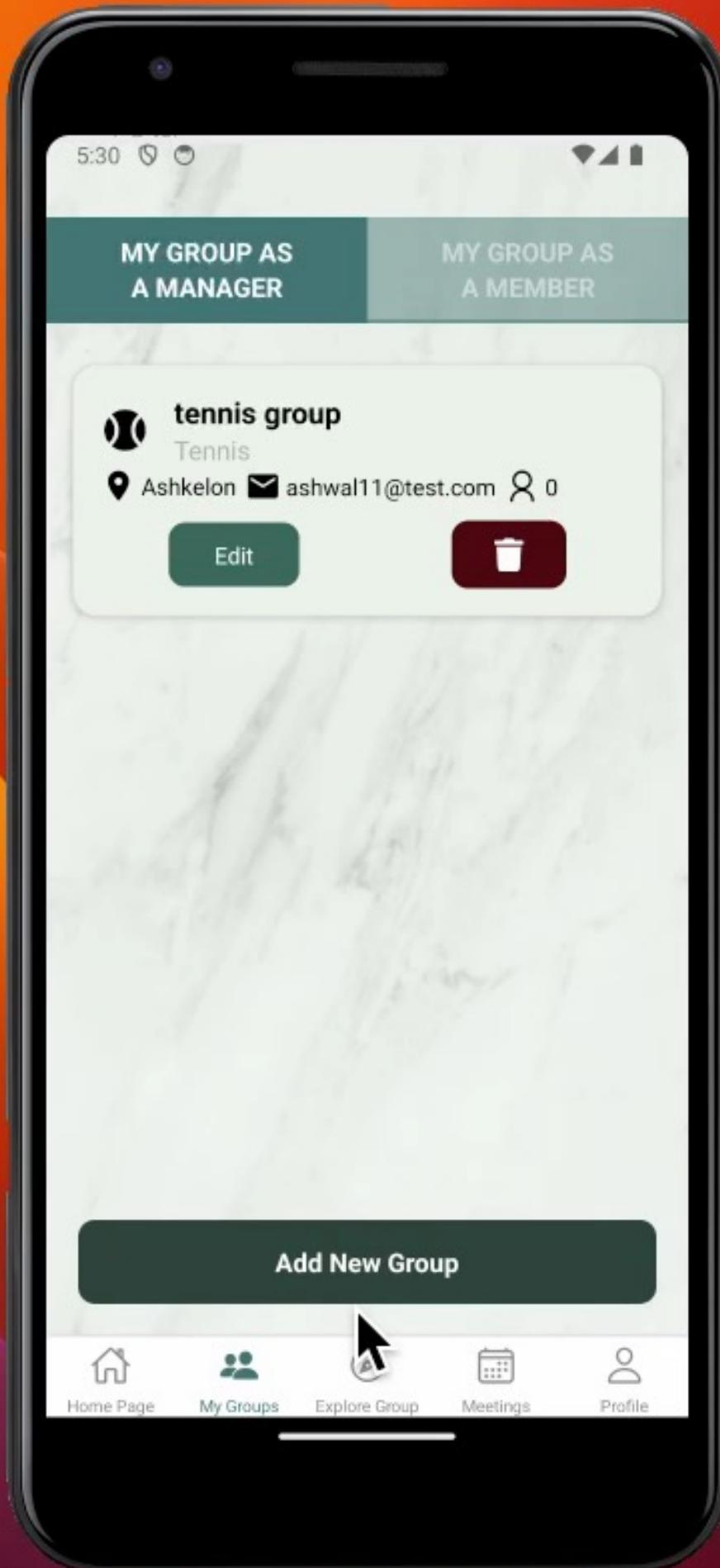
# SYSTEM DEMONSTRATION



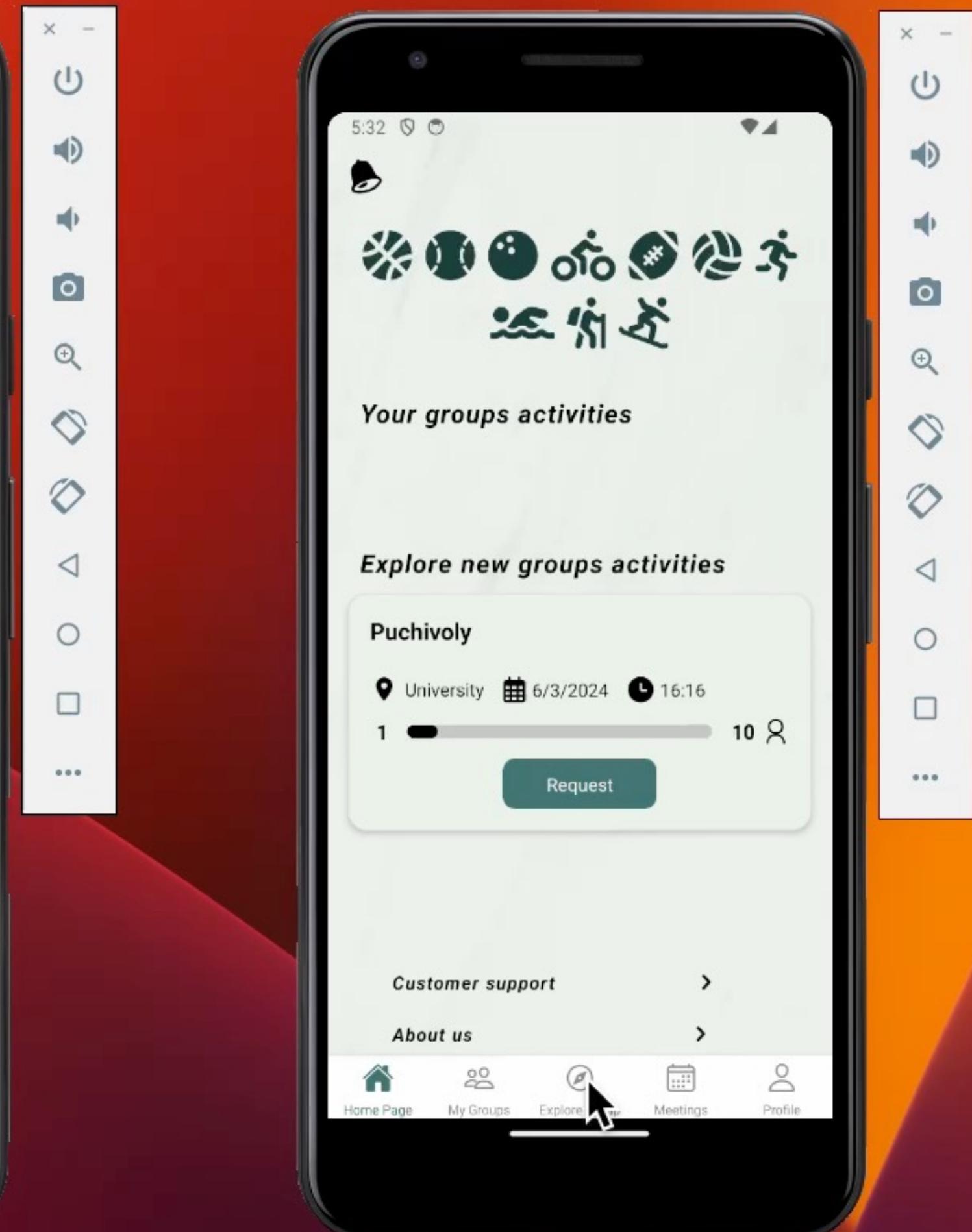
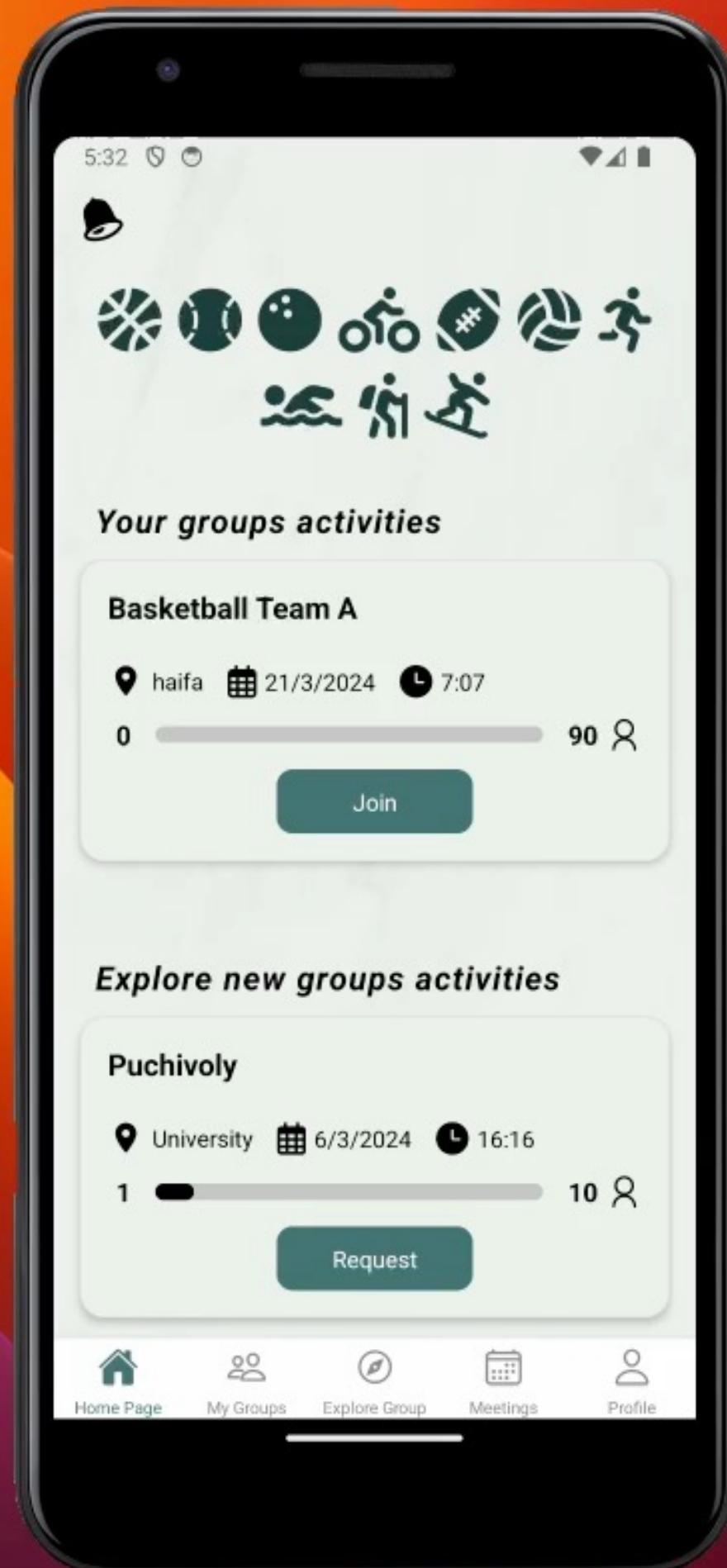
# Register



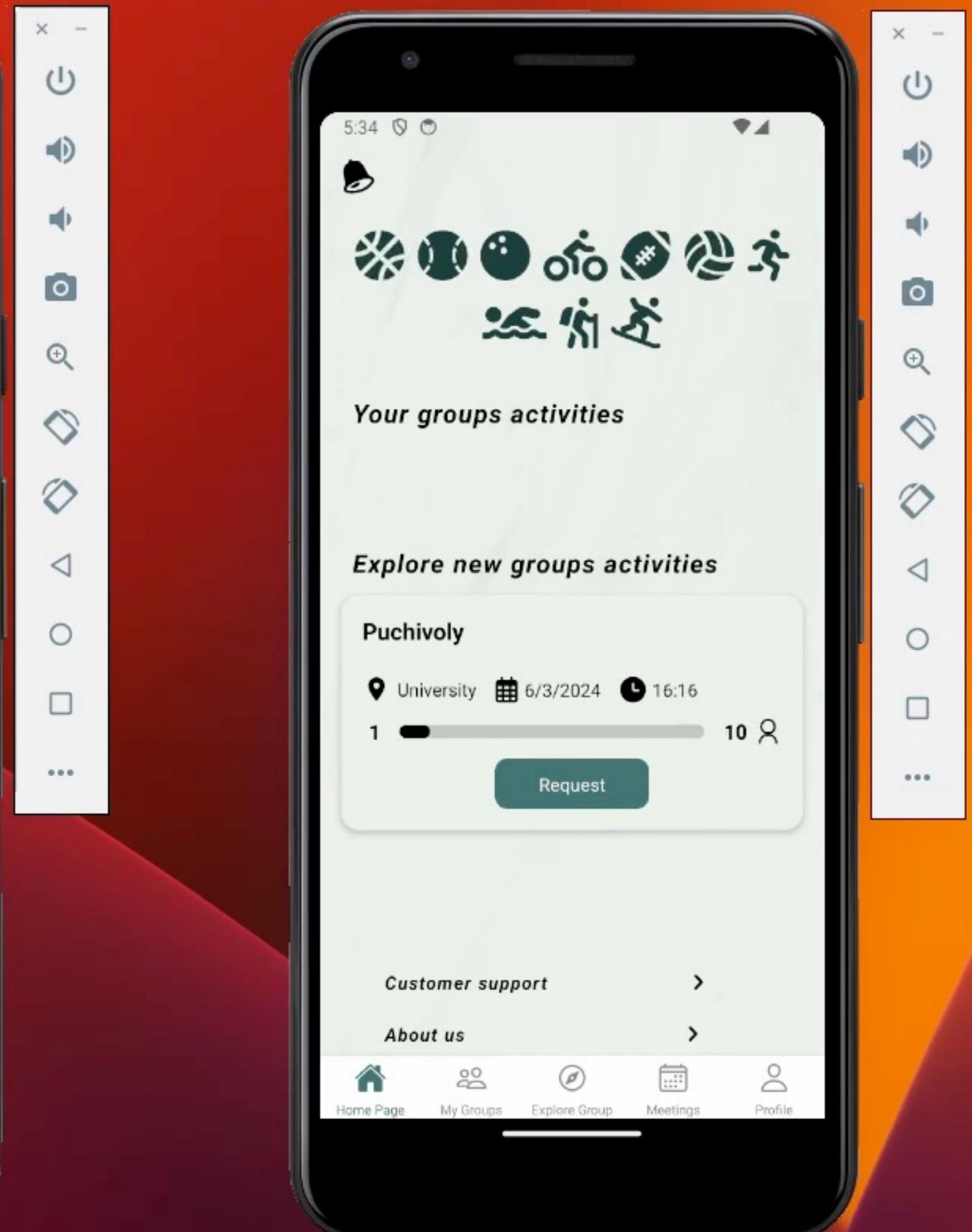
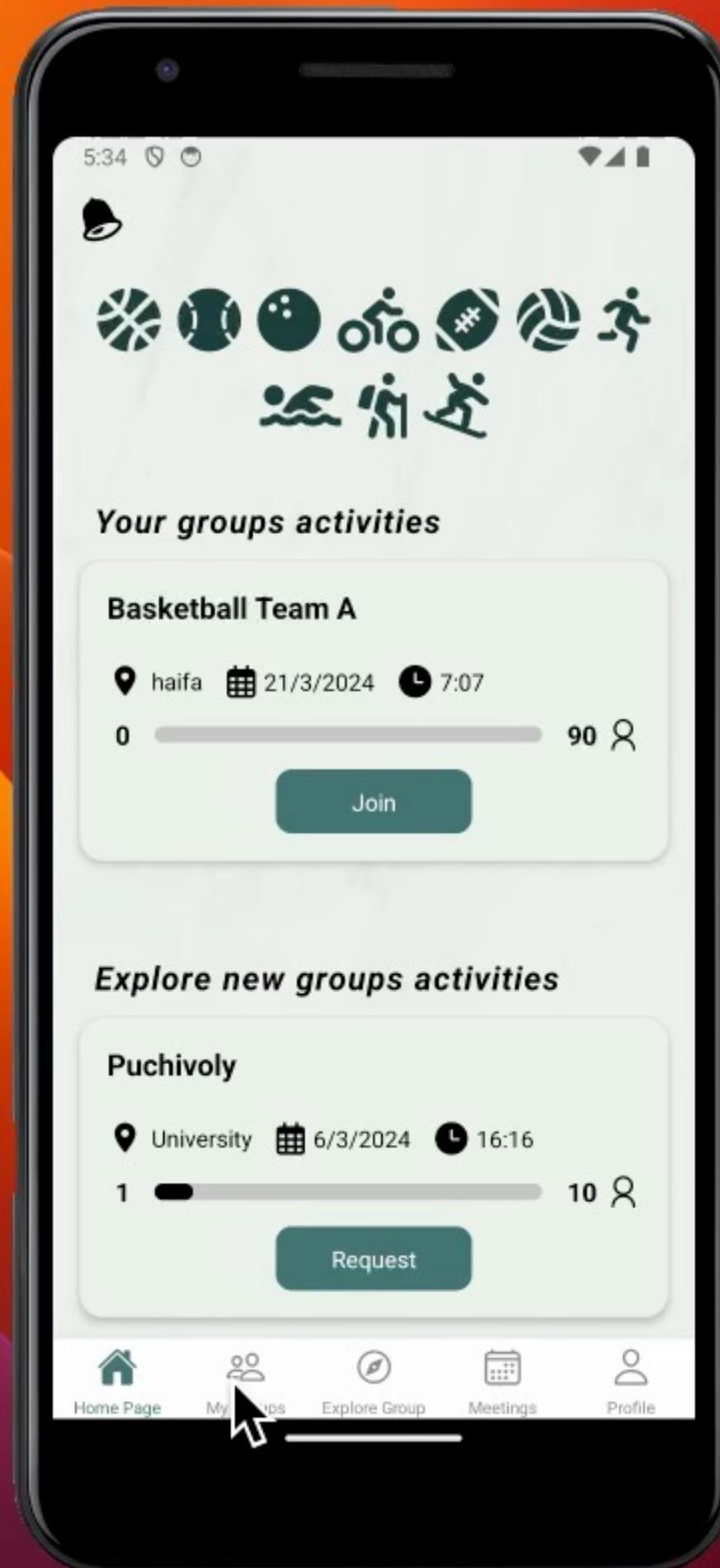
# Create group



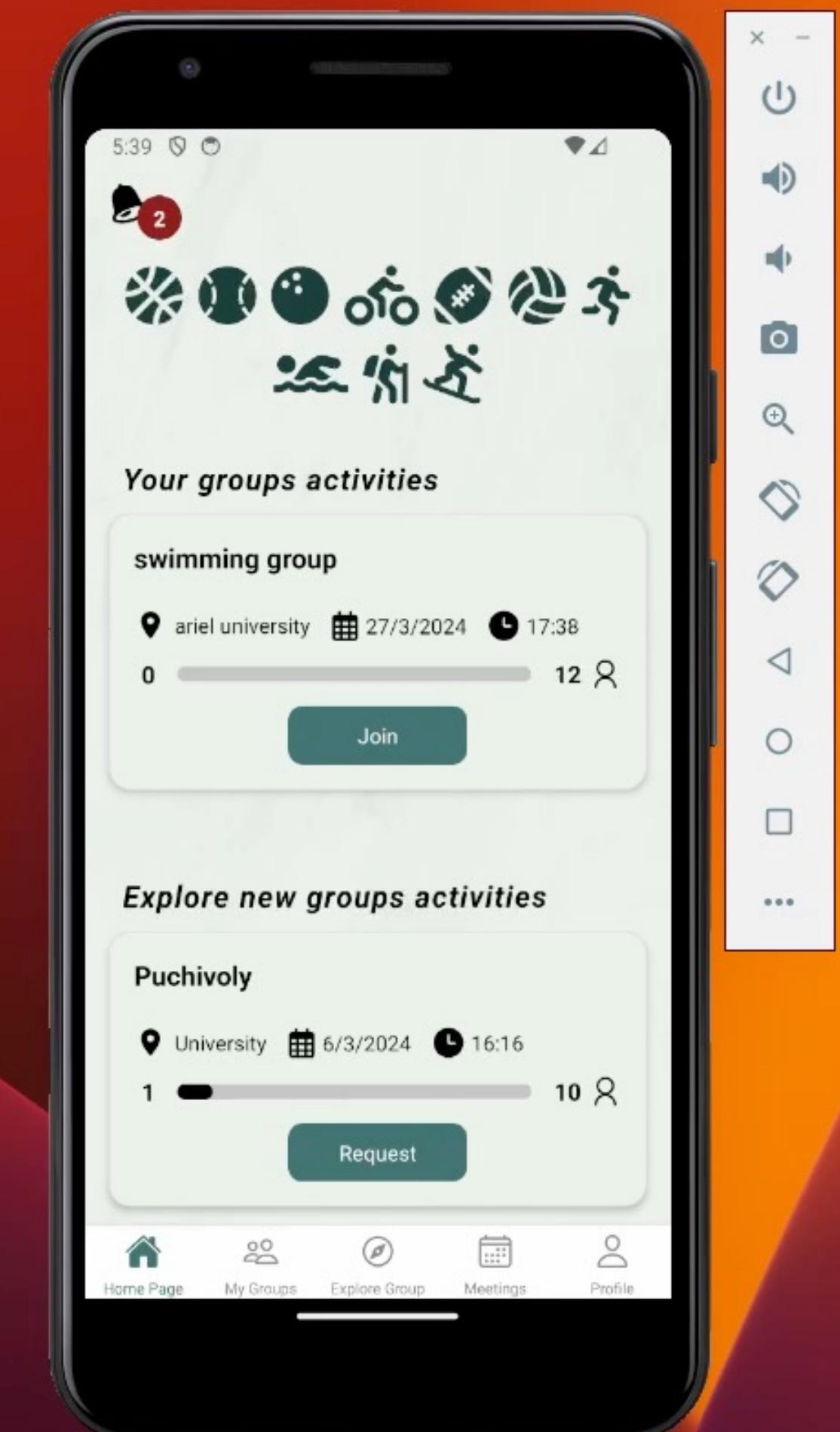
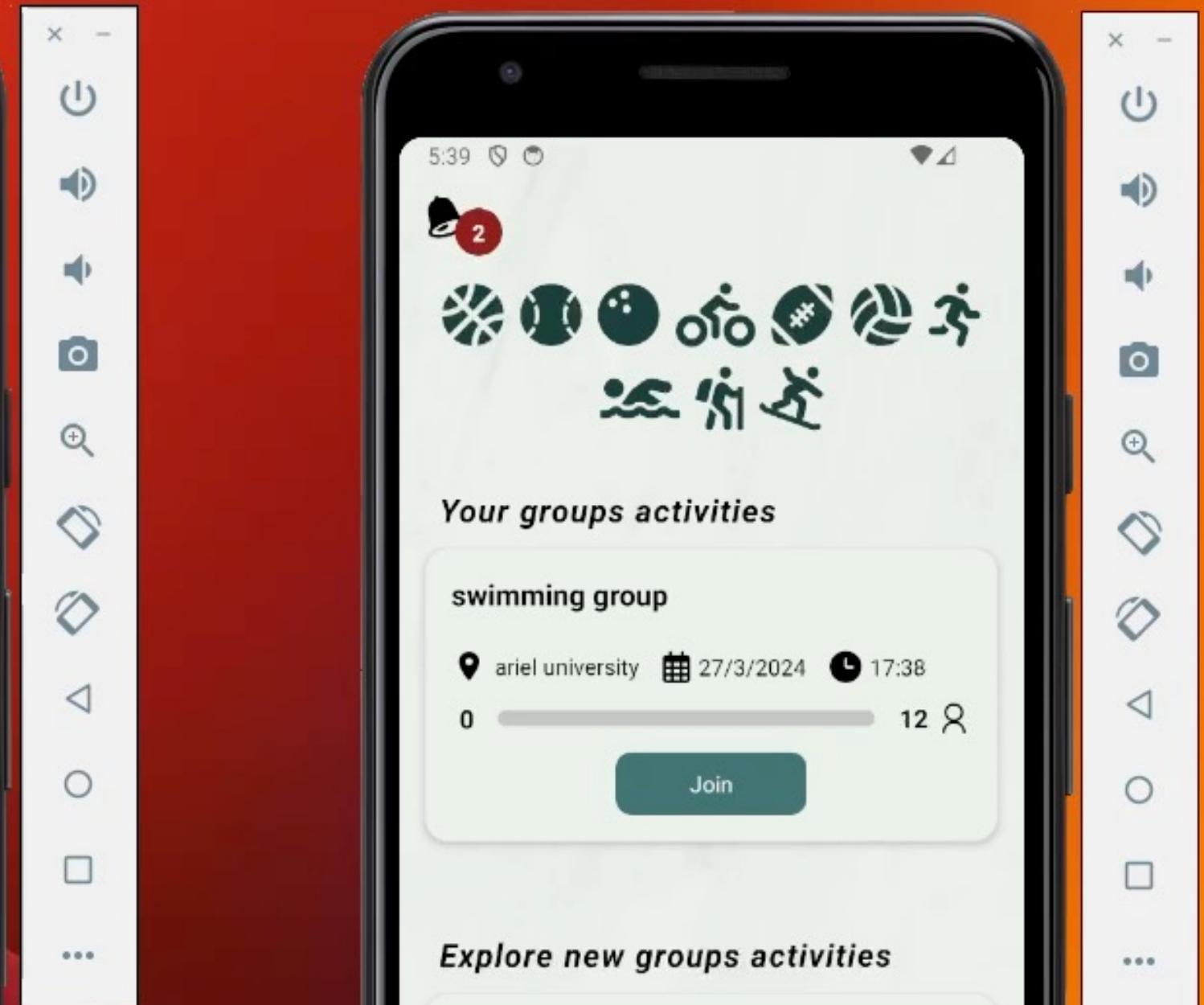
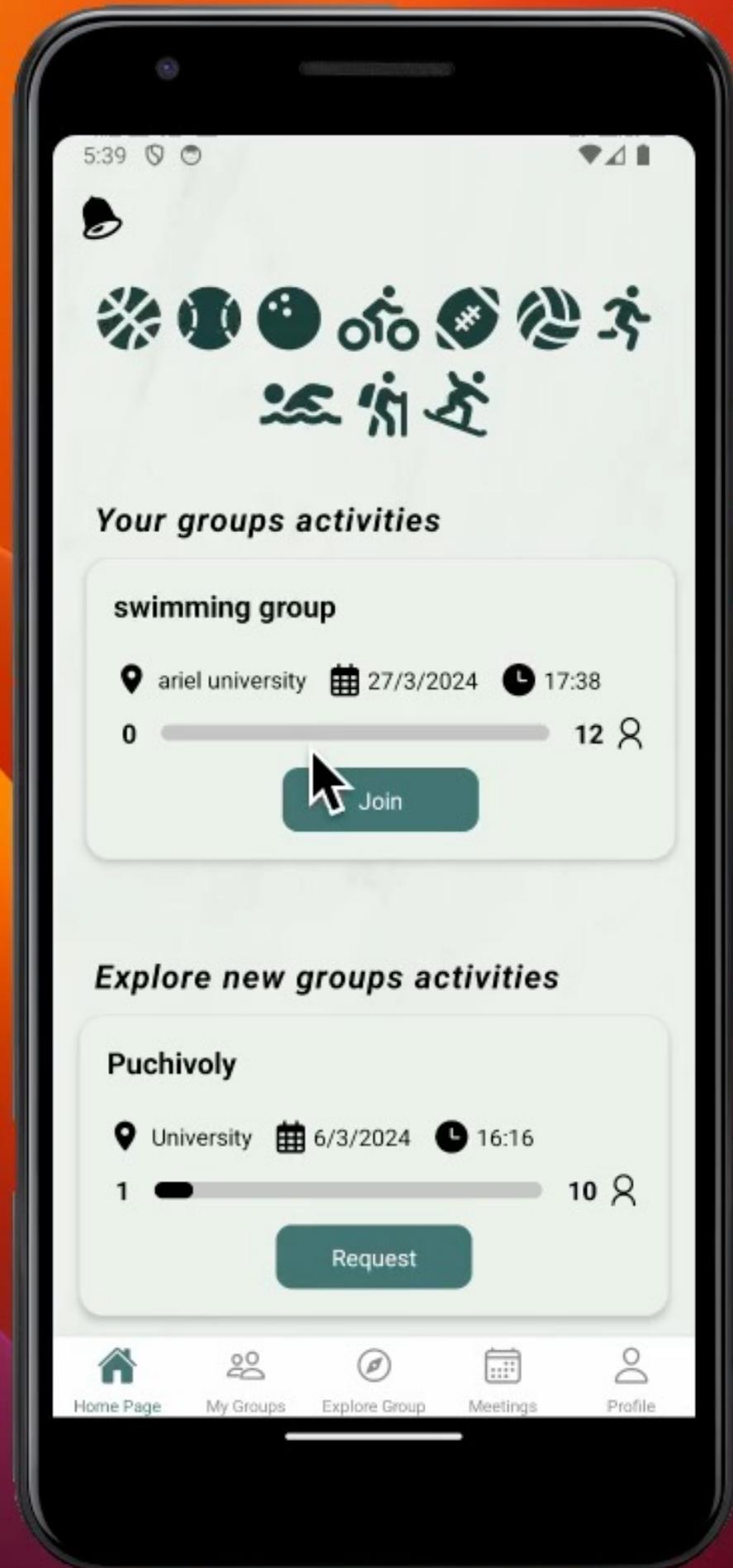
Search and join group

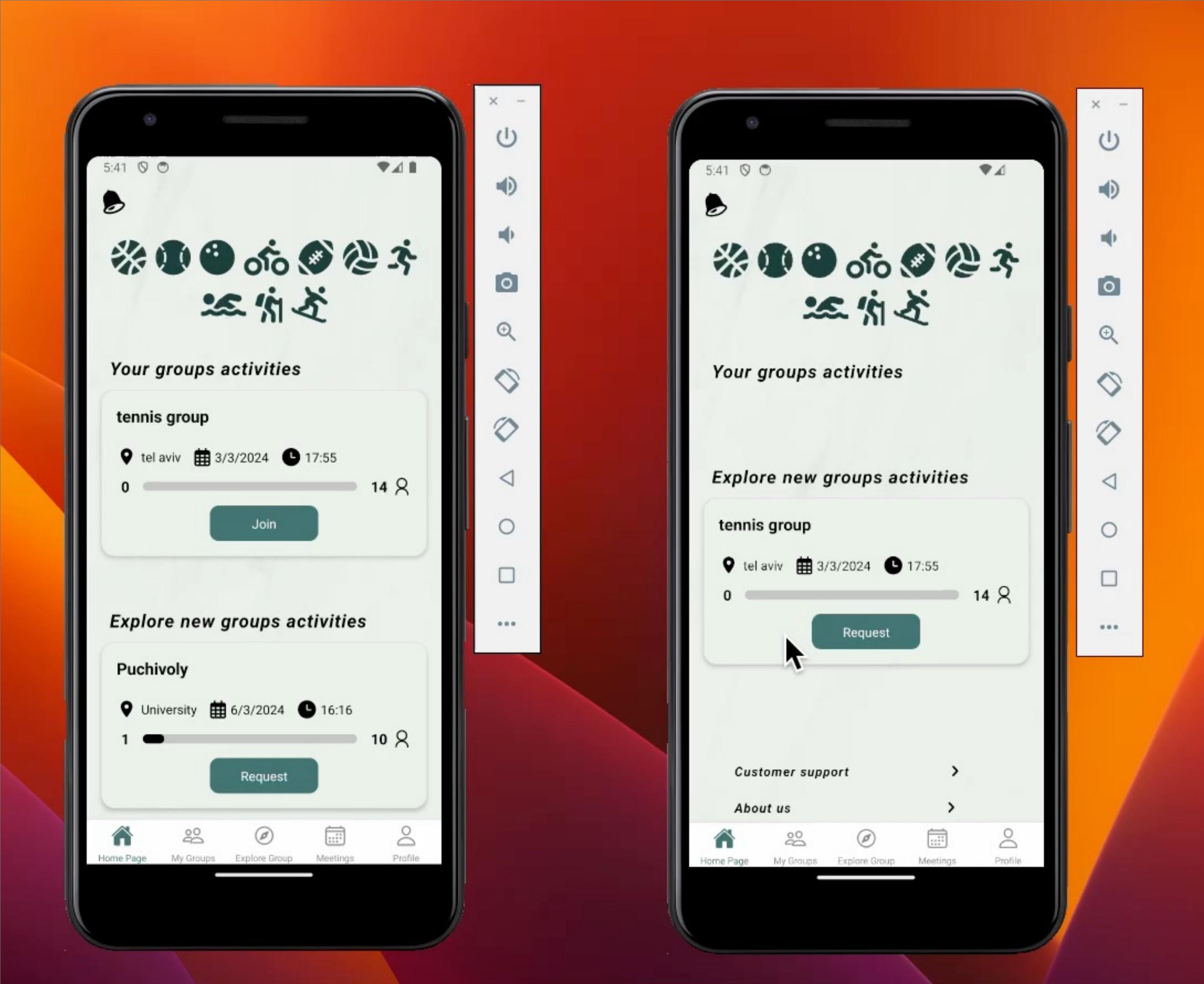


# Create and join Meeting

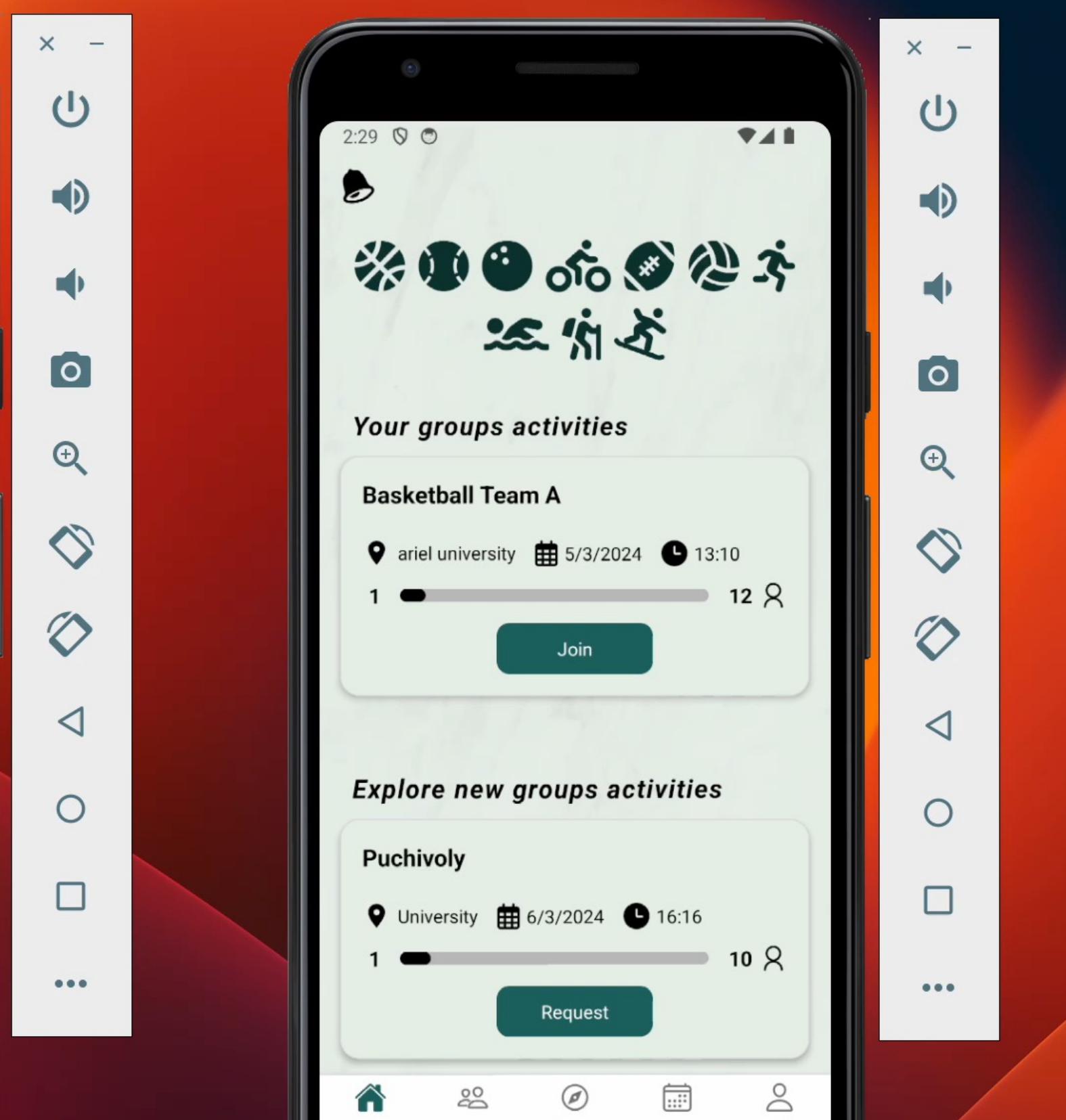
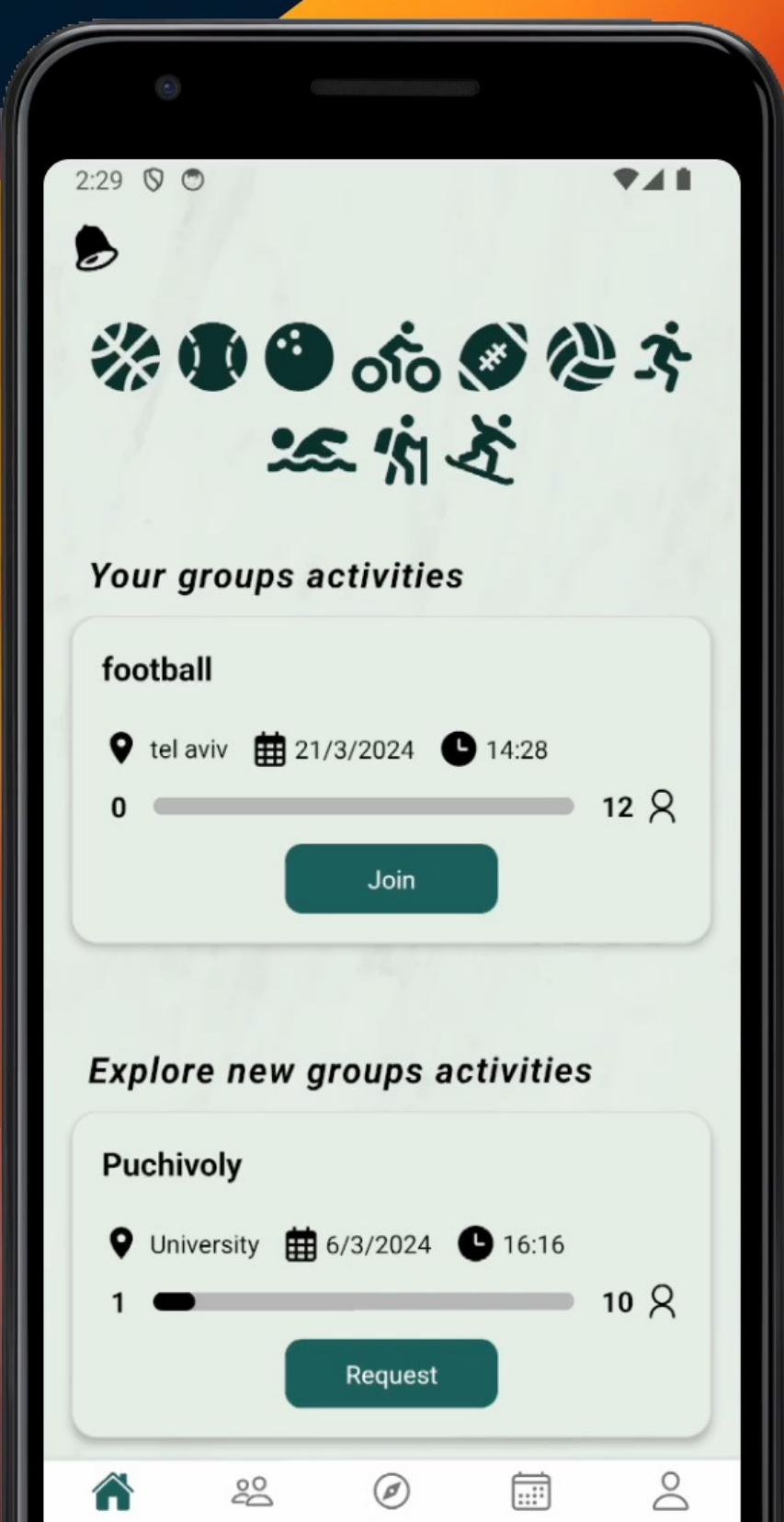


# Meeting features

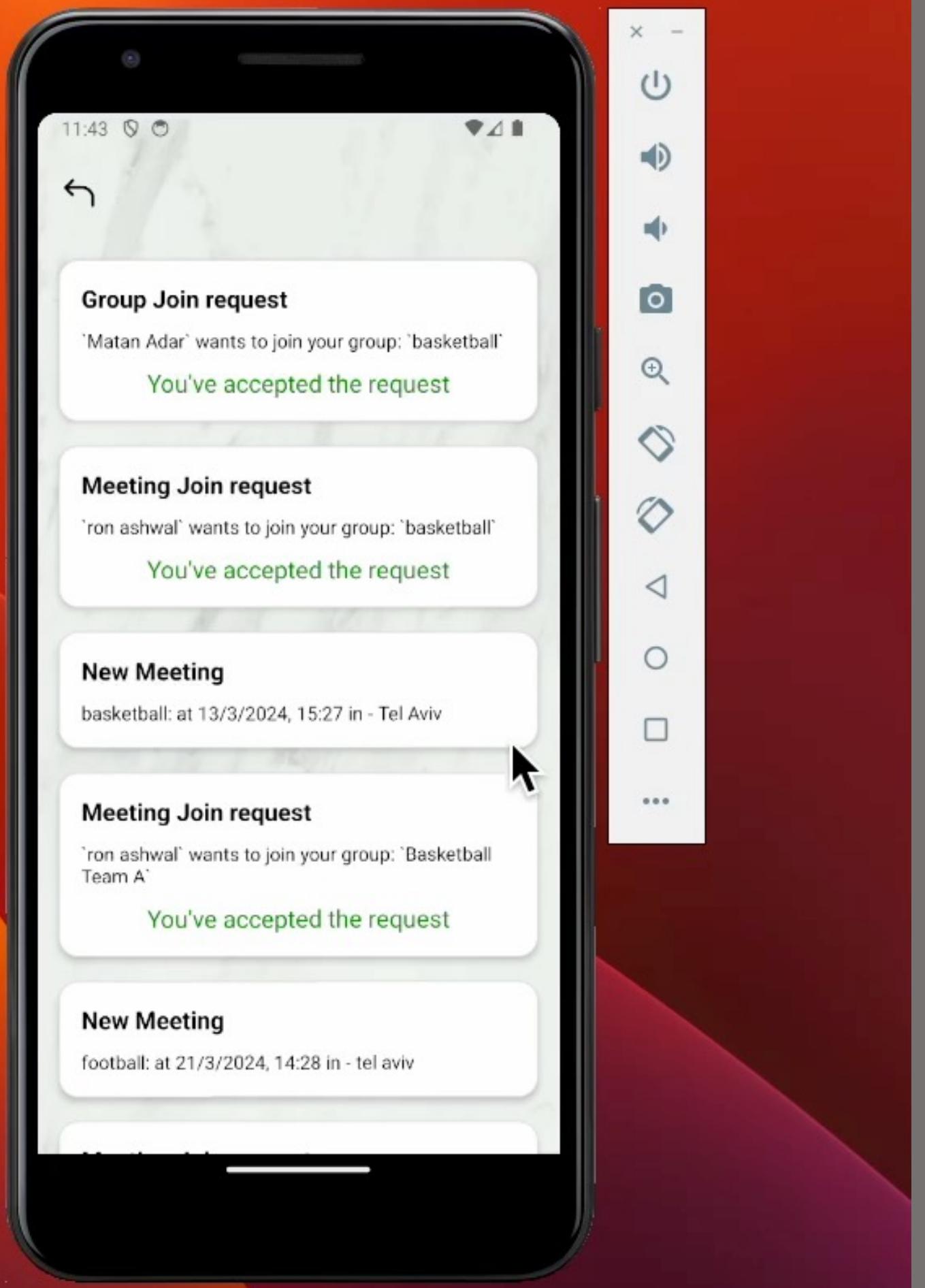




Request from  
the explore in  
the home page

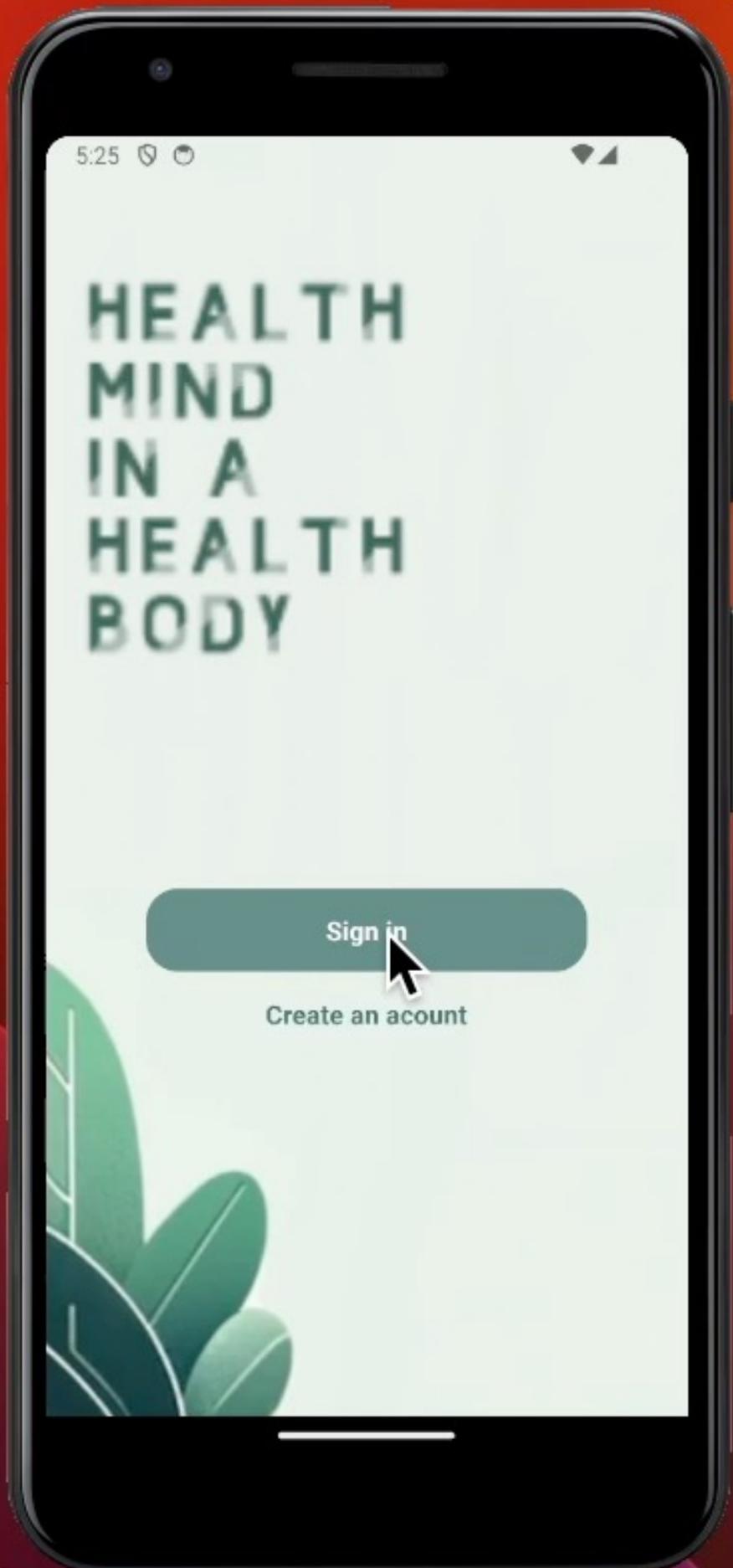


Delete from  
meeting and  
group

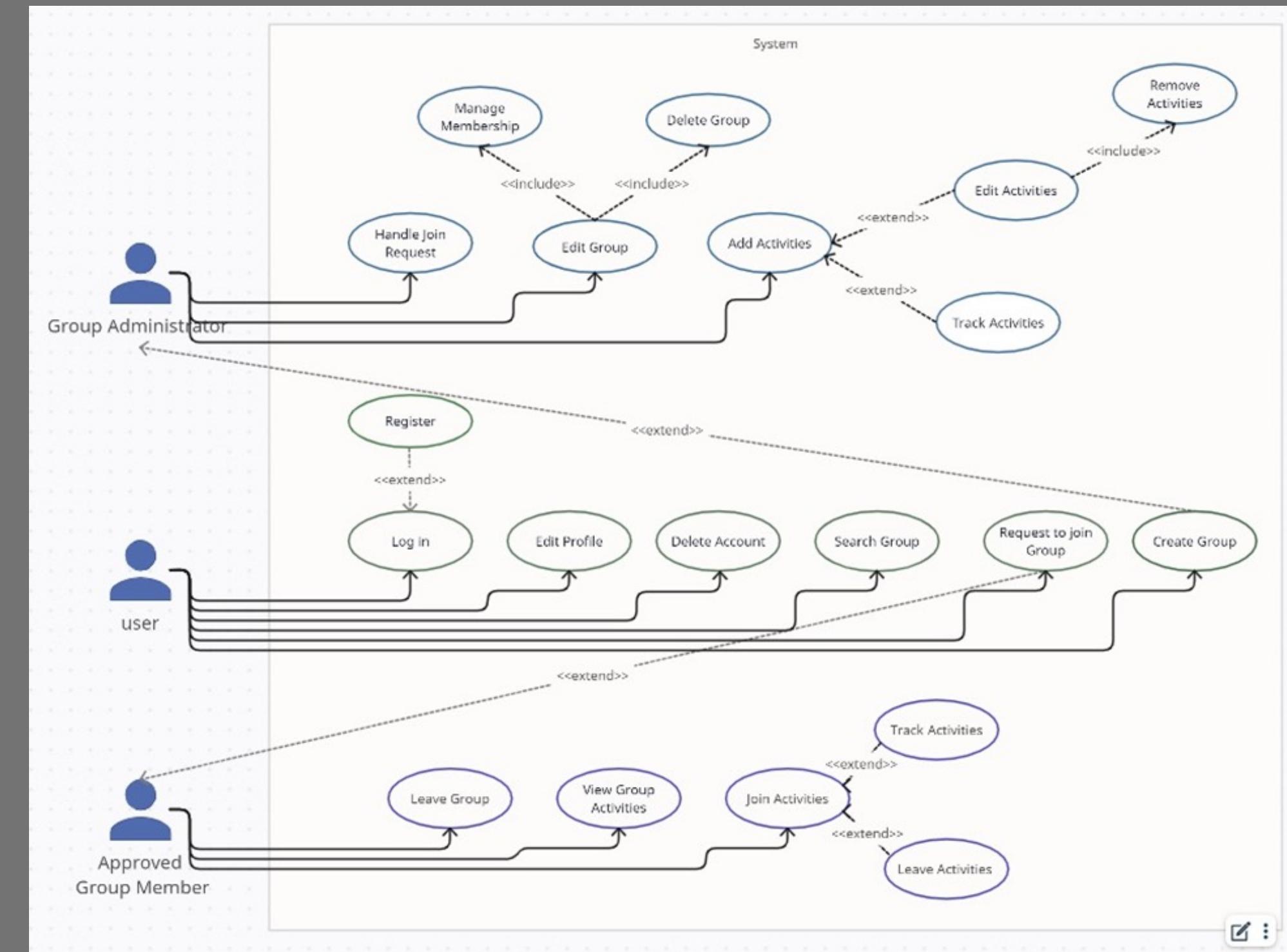


Clickable  
notification

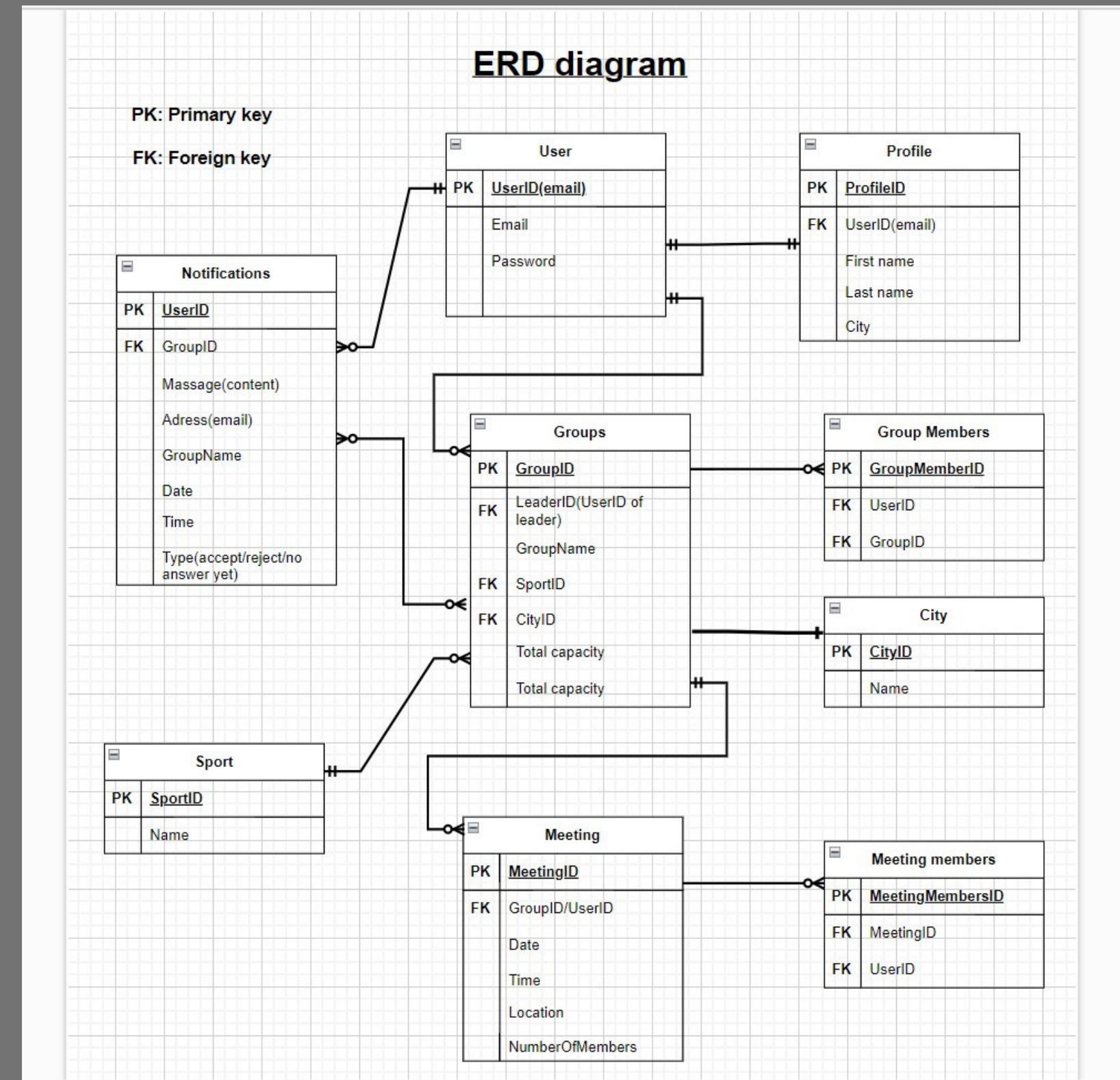
# Overview



# UML DIAGRAM



# ERD DIAGRAM



# SYSTEM REQUIREMENTS

Description	permission type	Requirement type	Subtype	prioritization
Registration and login for user and administrator permission	User + Admin	Functionality	Information	high
Profile for user and administrator permission	User + Admin	Functionality	Information	high
Home screen for user and admin permission	User + Admin	Functionality	Information	high
My group list for user and administrator permission	User + Admin	Functionality	Information	high
Added a new group for administrator permission	Admin	Functionality	Information	high
The list of existing training for each group for Admin permission	Admin	Functionality	Information	high
Add meeting permission for admin permission	Admin	Functionality	Information	high

<b>Description</b>	<b>permission type</b>	<b>Requirement type</b>	<b>Subtype</b>	<b>prioritization</b>
The list of upcoming trainings for user and administrator permission	User + Admin	Functionality	Information	high
List of updates for user and administrator permission	User + Admin	Functionality	Information	high
Approve or reject a participation request for admin permission	Admin	Functionality	Information	high
Searchable groups for user and administrator permission	User + Admin	Functionality	Information	high
Filter option in group search by different categories for administrator and user permission	User + Admin	Functionality	Information	low
NavigateBar for administrator and user permission	User + Admin	Functionality	Information	low
Information security - the information provided by the user is stored in a secure database	System	Unfunctionally	security	high

# KEY FEATURES AND ROADMAP

We did :

- Navigate Bar
- Navigation Bottom
- Search Filter by sport type and city
- Notification Message in the app

We didn't make it due to the short time :

- Notifications to the phone and not only in the application itself
- Search by group name
- Appointment recommendation based on current location
- Log in using Google, Microsoft, Facebook, etc



# SYSTEM ARCHITECTURE

- **Front-End:** Built with React Native for a responsive, cross-platform user experience.
- **Back-End:** Firebase database for secure, scalable data storage and management.
- **SOLID Principles:** Guiding our development process for robust, maintainable code. Our commitment to these principles ensures 2Better is built on a solid, scalable foundation.

 **Firebase**

ToBetter ▾

[Project Overview](#) 

Project shortcuts

**Firestore Database**

 [Authentication](#)

 [Storage](#)

What's new

 [Extensions \(NEW\)](#)

 [Release Monit... \(NEW\)](#)

Product categories

Build 

Release & Monitor 

Analytics 

Engage 

All products

Spark  
No-cost \$0/month 

# Cloud Firestore

Data Rules Indexes Usage  Extensions

 Protect your Cloud Firestore resources from abuse, such as billing

 > Groups > Basketball Tea...

 (default)	 Groups
+ Start collection	+ Add document
Groups >	Basketball Team A >
Meetings	Basketball Team B
Notifications	Basketball Team C
Users	Puchivoly

**Cloud Firestore**                                                                                                                                                                                                                                              <img alt="

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# CHALLENGES AND SOLUTIONS

- **Collaboration on Code:** Managing simultaneous updates and ensuring seamless integration posed significant challenges.
- **Git Mastery:** Learning to use Git effectively was a steep learning curve, crucial for our team's collaboration and version control.
- **Design Disagreements:** A key hurdle was resolving differences in vision, especially concerning the home screen's layout and functionality.
- **Overcoming & Learning:** Despite these obstacles, our team was committed to growth and learning, successfully overcoming each challenge to deliver 2Better.

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# CONCLUSION AND QUESTIONS