

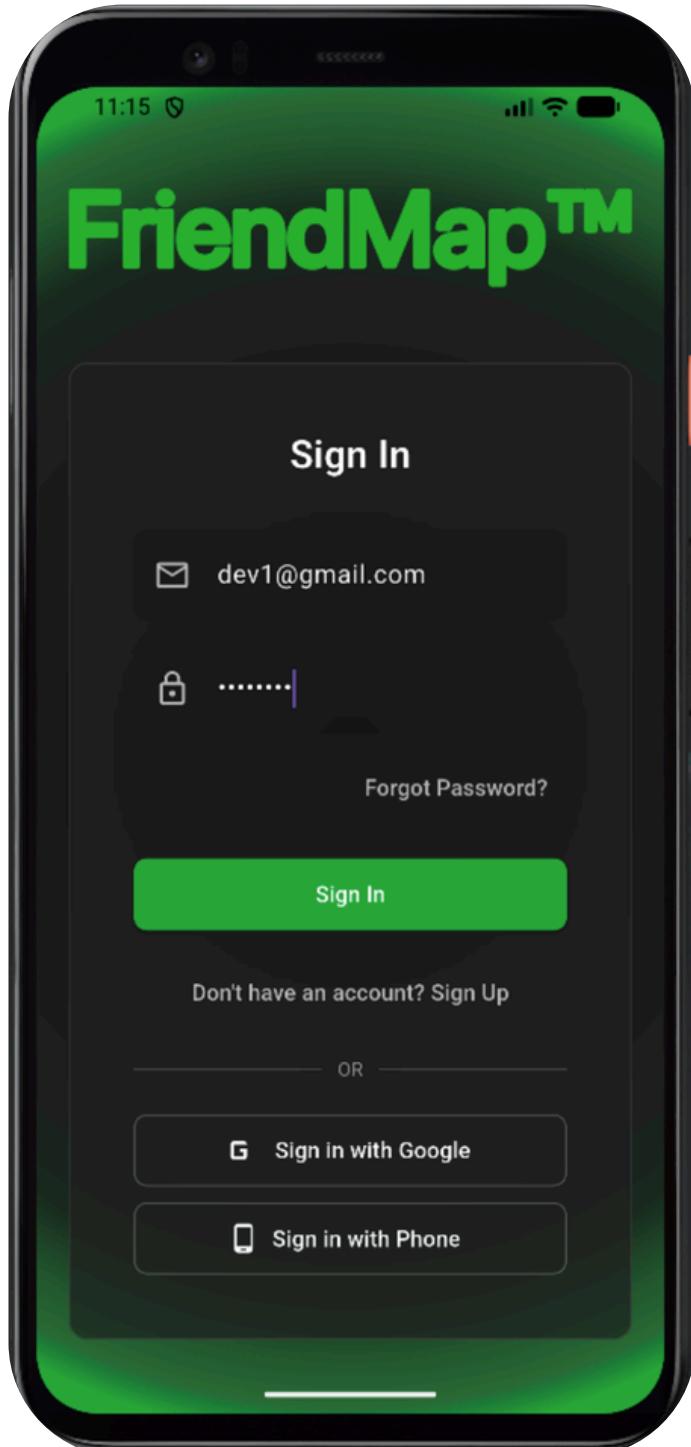
FriendMap™

By
Mahsa, Ali & Guillaume



Final Stage

Login



Email/Password Login and Register is working.

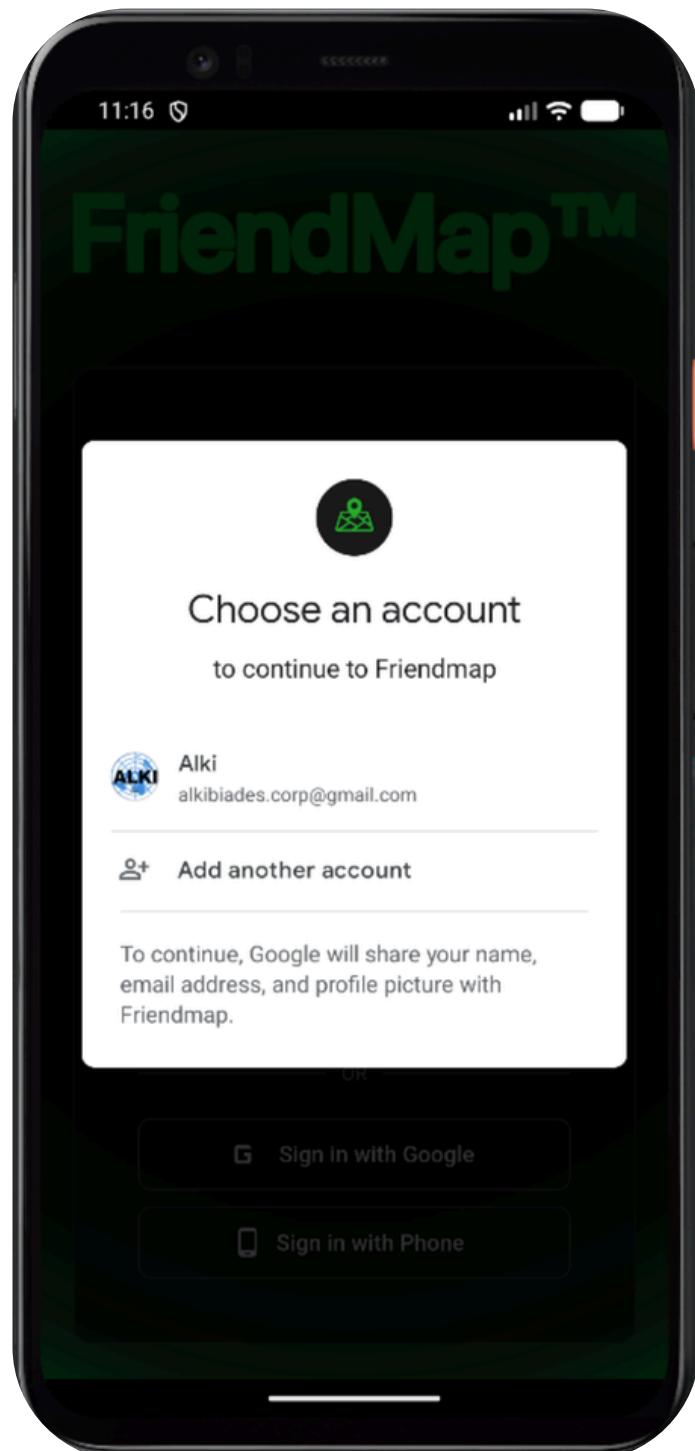
Sign in with Google is working.

Sign in with Phone is working.

Forgot Password send a password reset to the given email.

New users registration will send the ‘Email address verification’ template automatically to provided email.

Login - Google



Email/Password Login and Register is working.

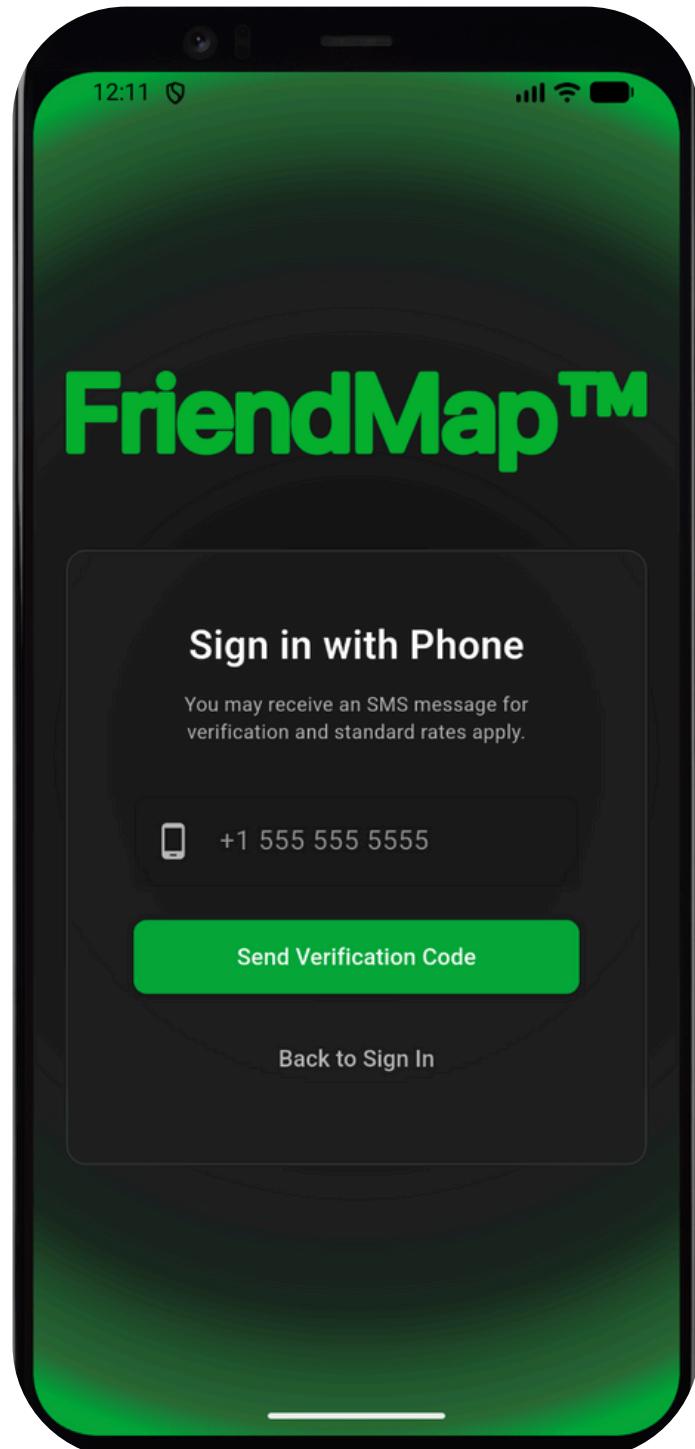
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Login - Phone

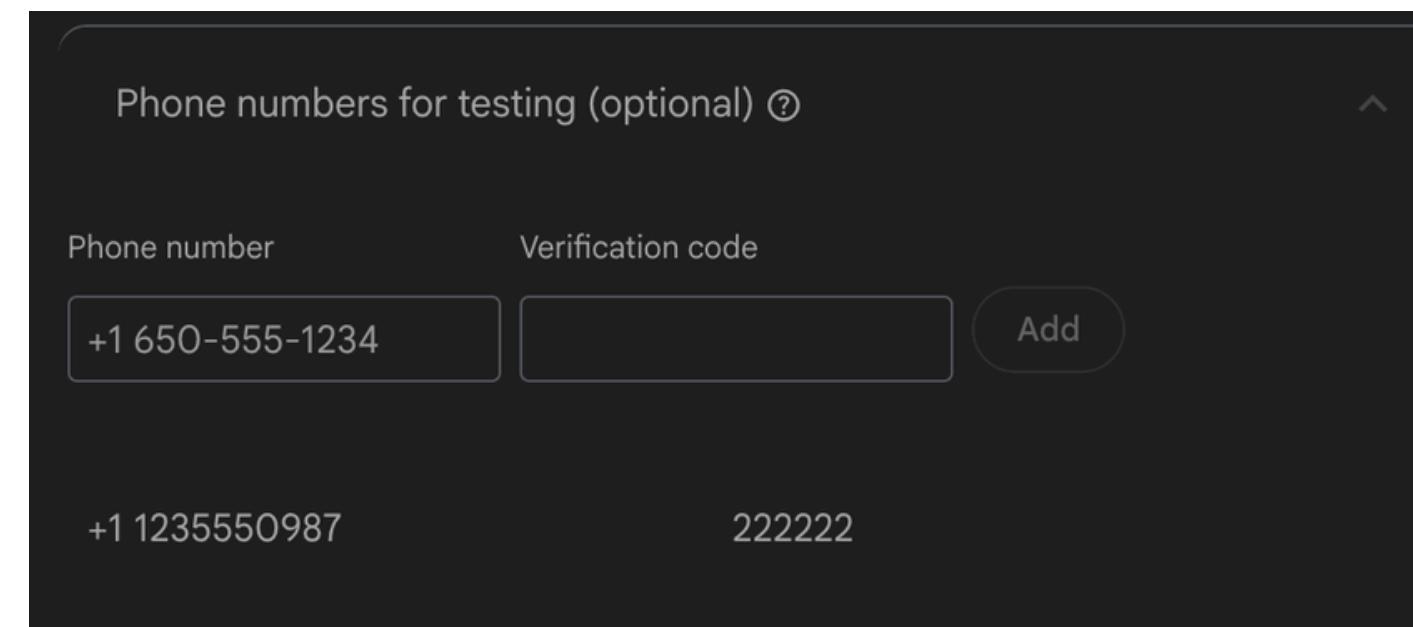


Logging in with phone using an emulator will only work by using these Firebase-made testing numbers.

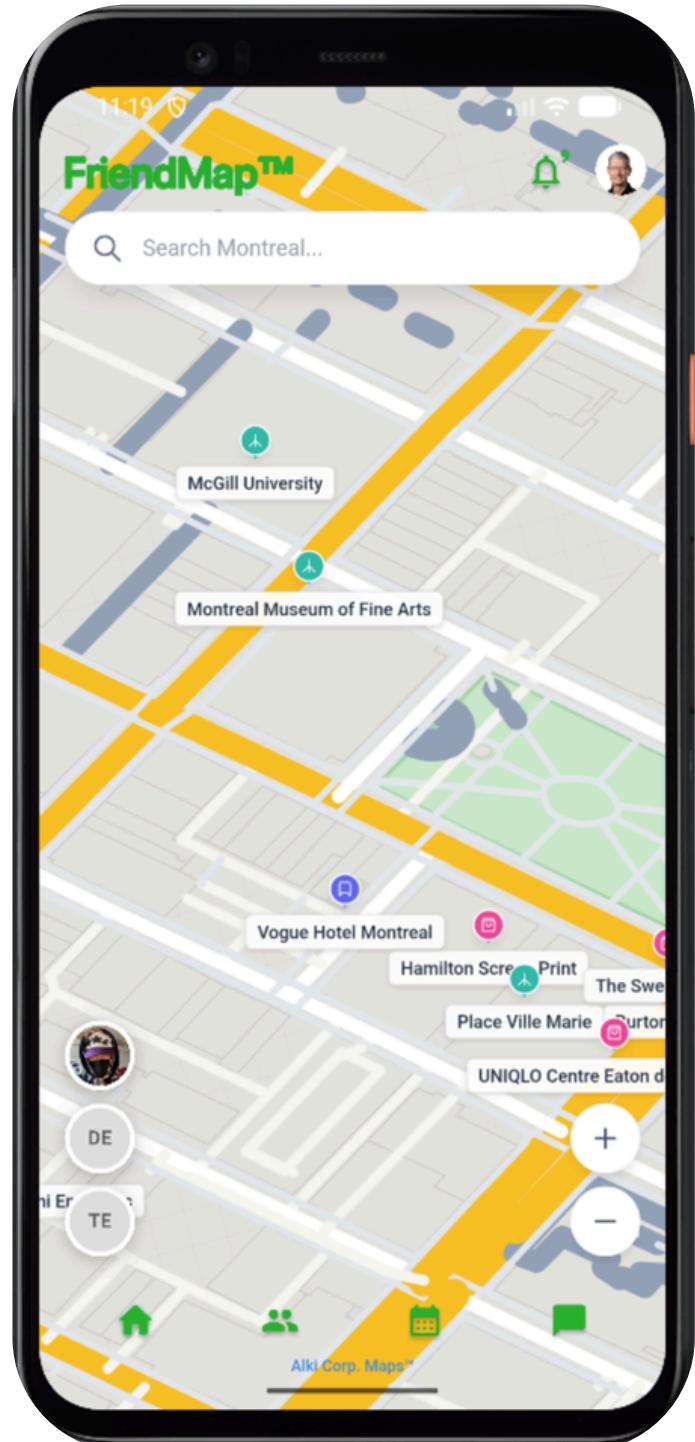
You configure the number and the verification code.

Then you can use that number and code for phone login in app.

If the app were downloaded on a real device, it should work with a real phone number. This seems to be out of our control.



Home page



Clone of google maps.

Solution to avoid paying for the google maps API SDK usage.

Locations hosted on firebase, same data format as the real API.

Dynamic search engine.

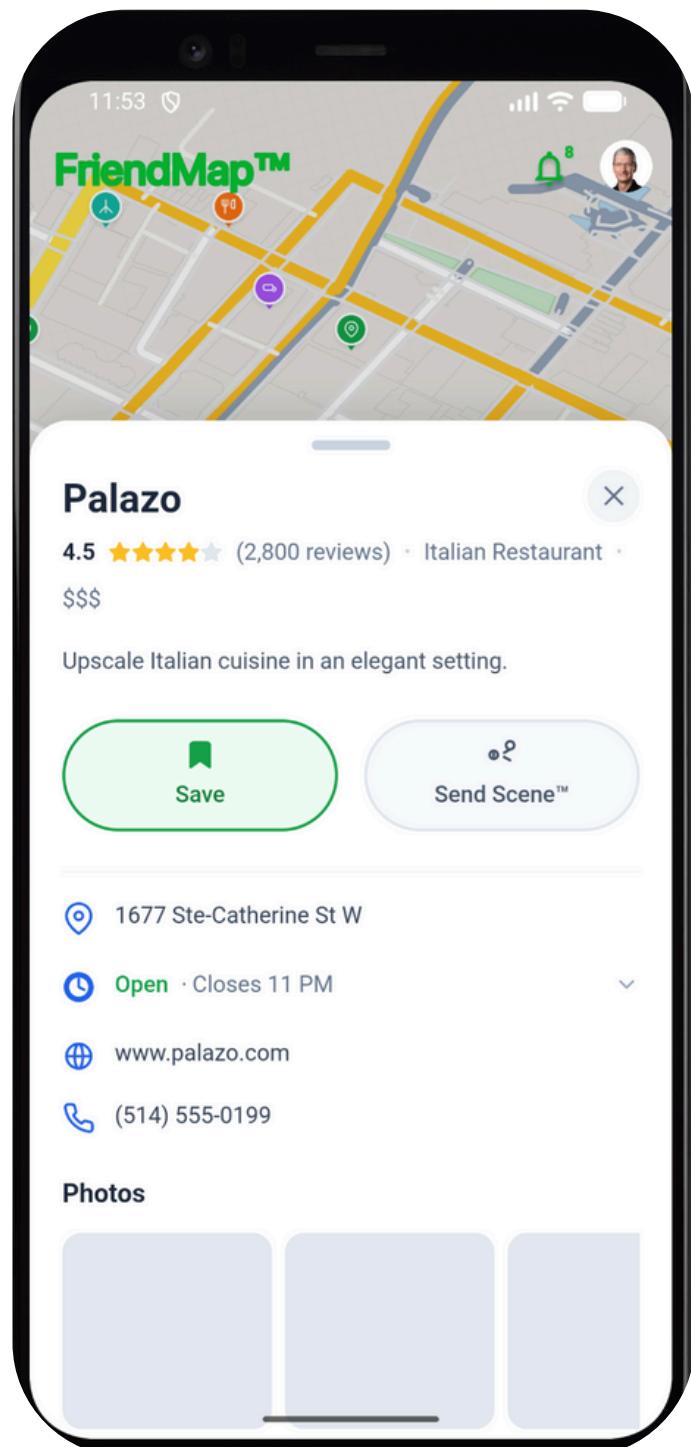
Nav bar.

Pick locations, save them, send them to friends.

Notif center button for updates (messages and invites).

User icon to access profile, settings, or logout.

Location Modal



Clone of google maps.

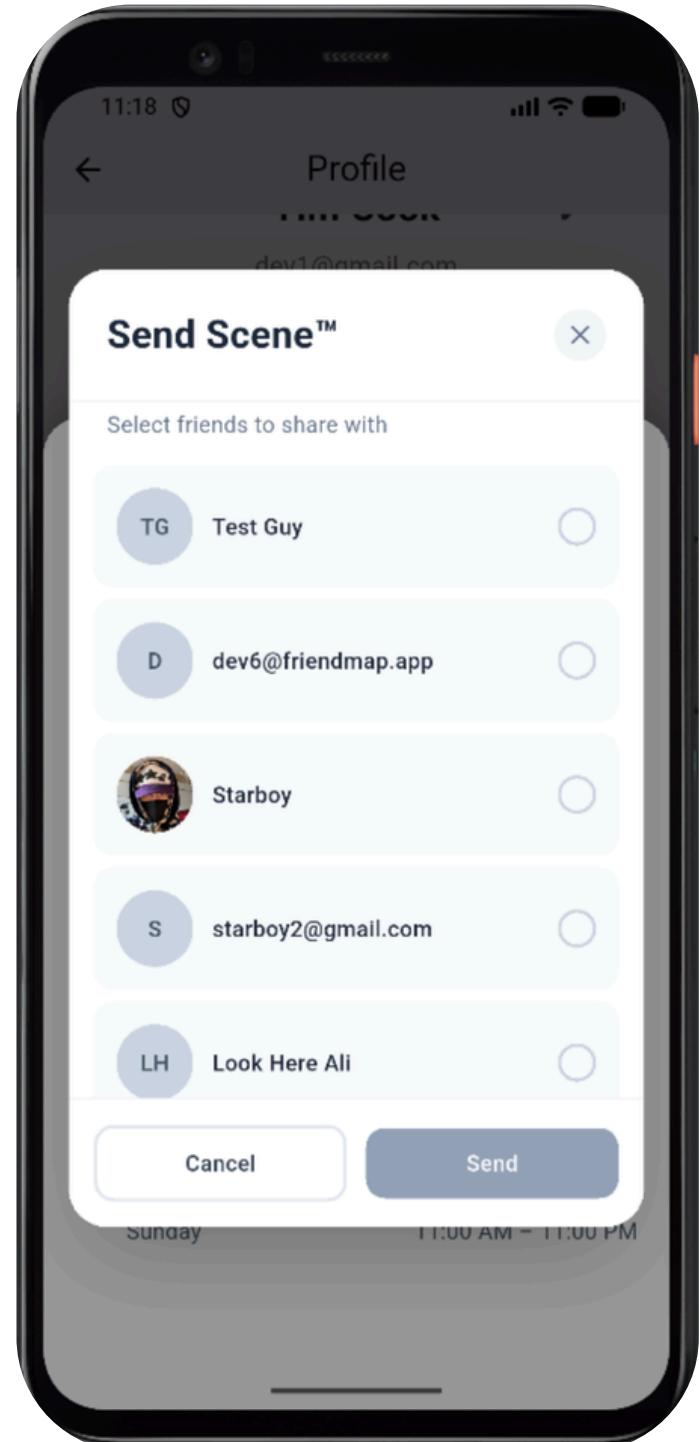
Solution to avoid paying for the google maps API SDK usage.

Locations hosted on firebase, same data format as the real API.

Pick locations, save them, send them to friends.

Save to your locations on profile, or send Scene to friend in chat.

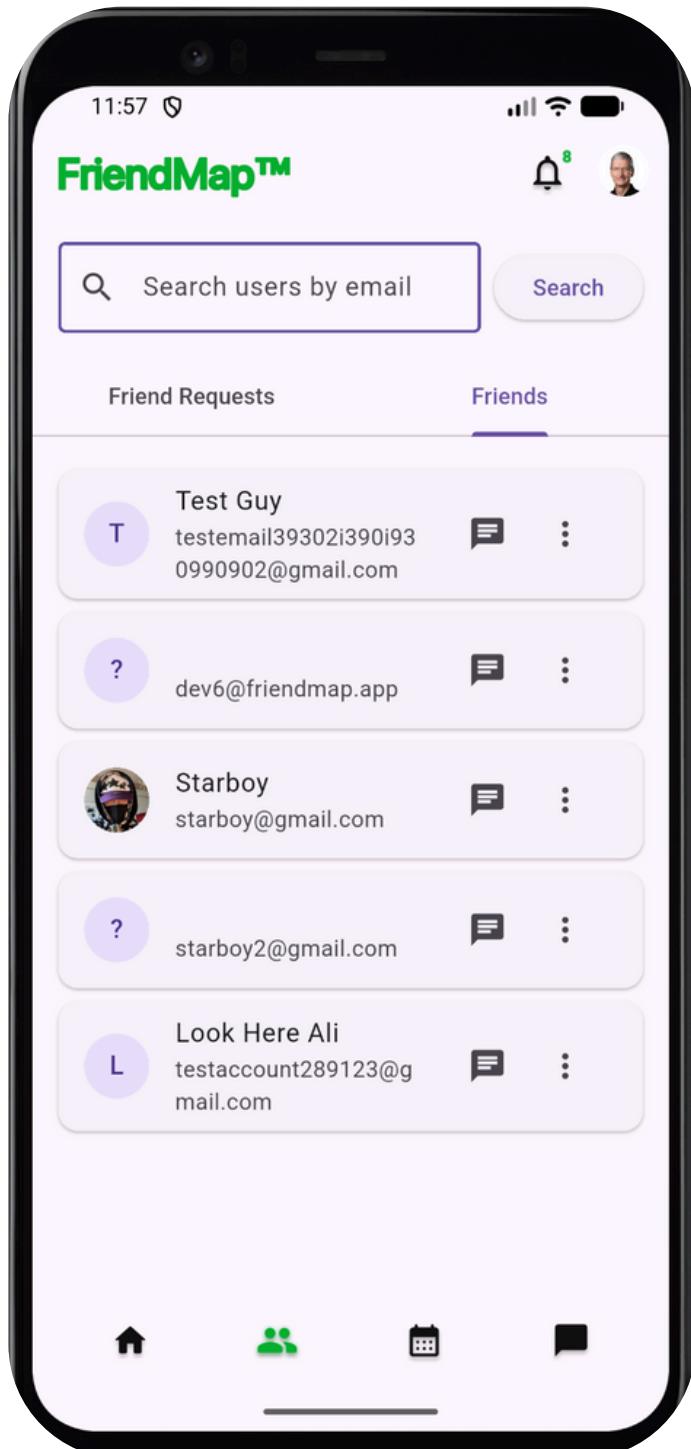
Send Scene



Pick as many friends as you want.

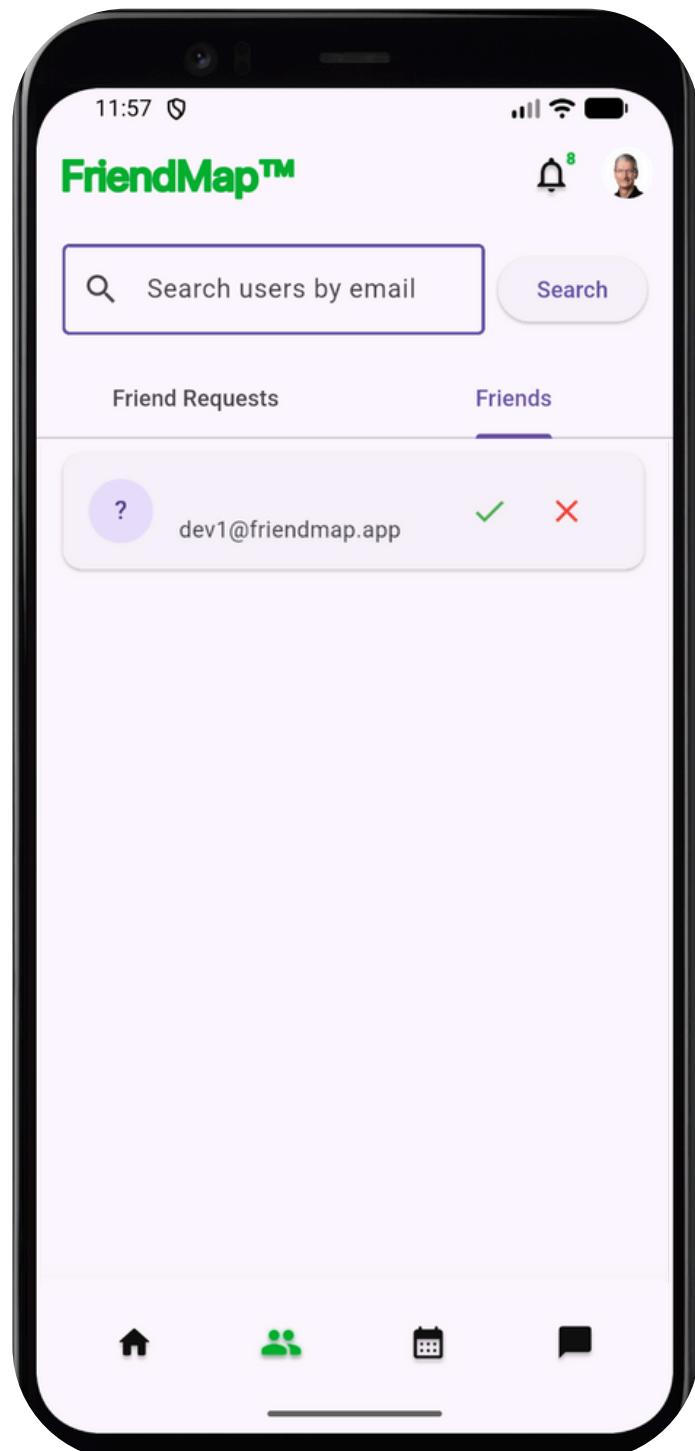
Send them a Scene from the map or your saved locations in profile.

Add friends



Searching a user by email will display their card and add button.

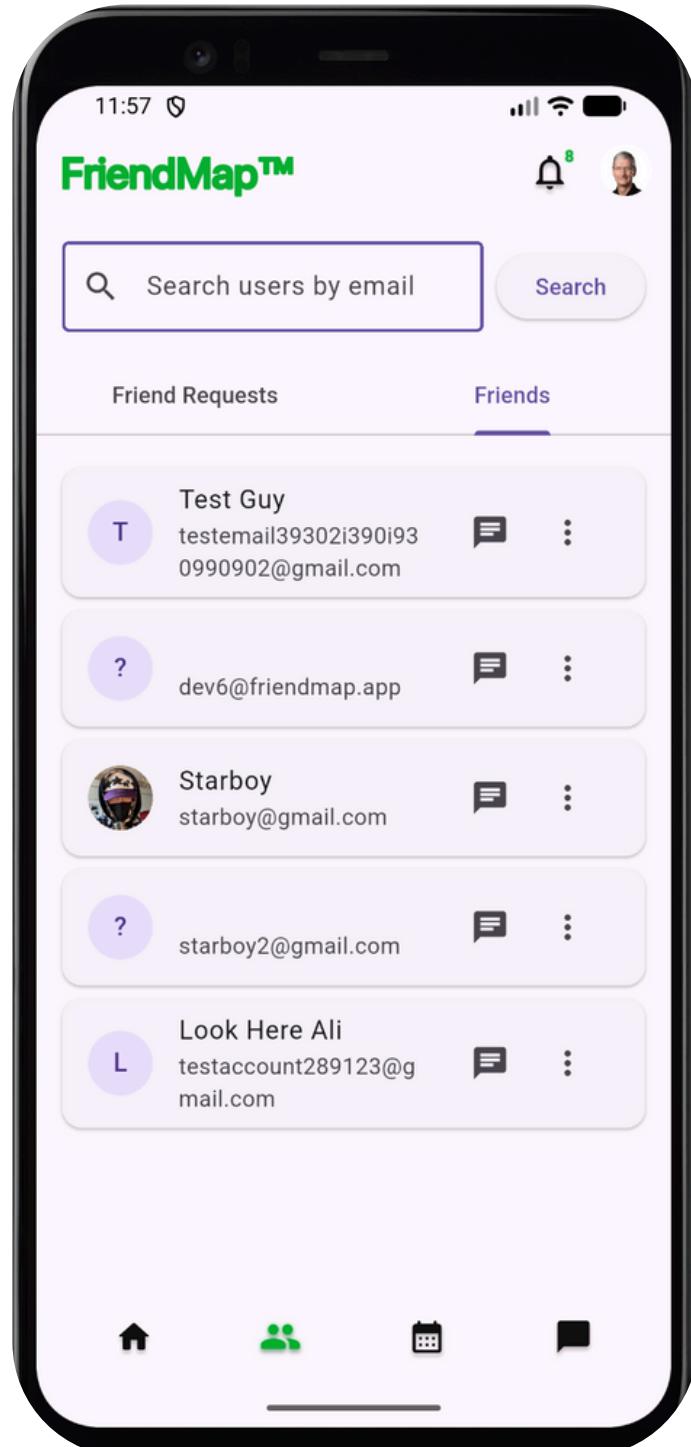
Friend requests



Users who have friend request will have choice to accept or decline.

If approved the firebase documents for both users get updated to log each other in the database as friends.

Friends list



You may accept friend requests.

Each user has a collection document that logs the friends they have.

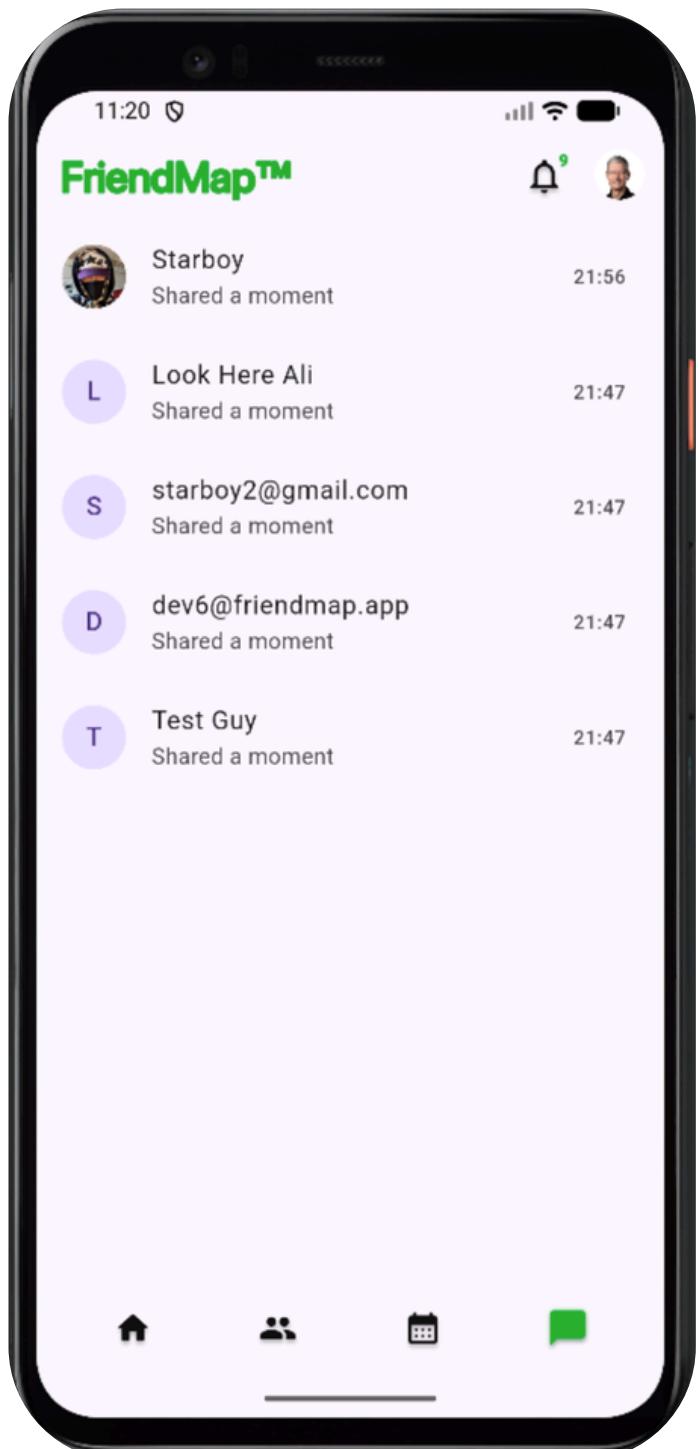
Handle the logic in the Firebase rules and matching it in codebase.

Tap on friend's card to open their profile.

Tap three dots to remove friend.

Tap message icon to open their corresponding chat.

Chat page

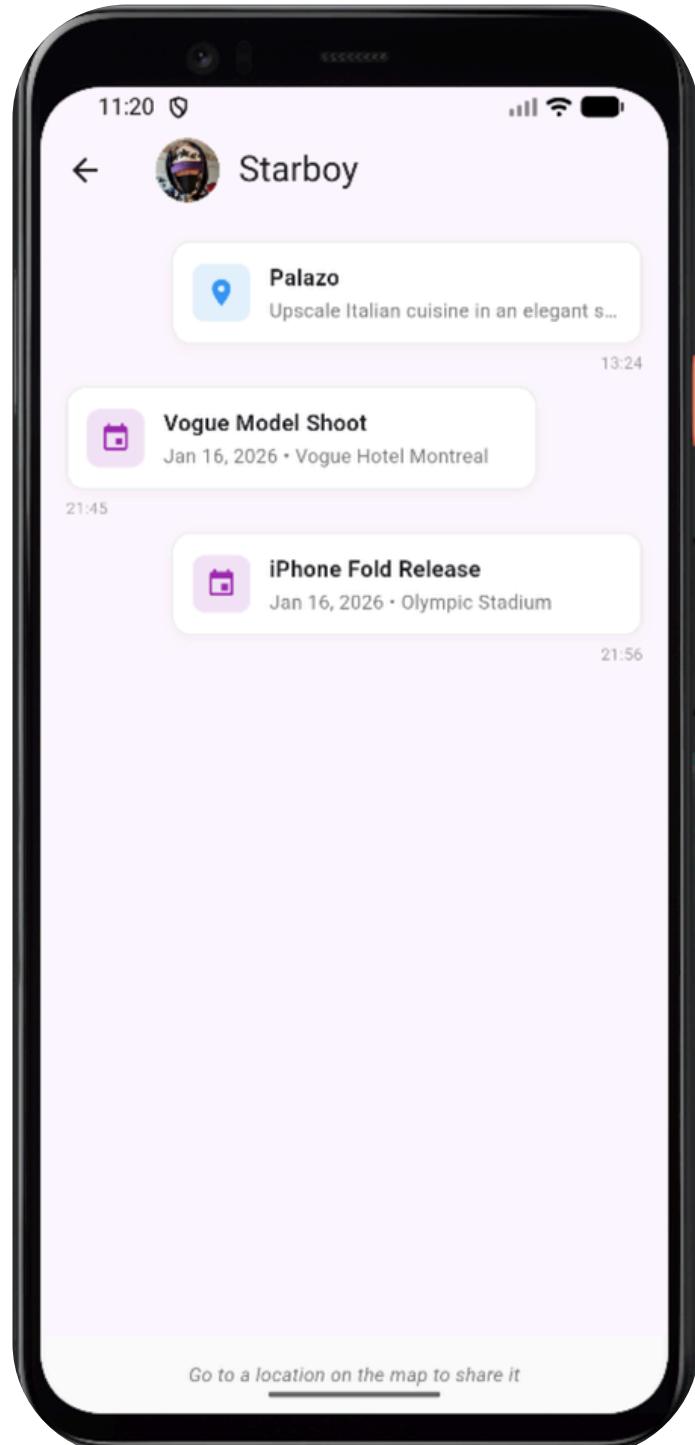


List of all chats in order of latest received.

Timestamps of each chat.

Displays the last content sent by friend for each chat.

Chats

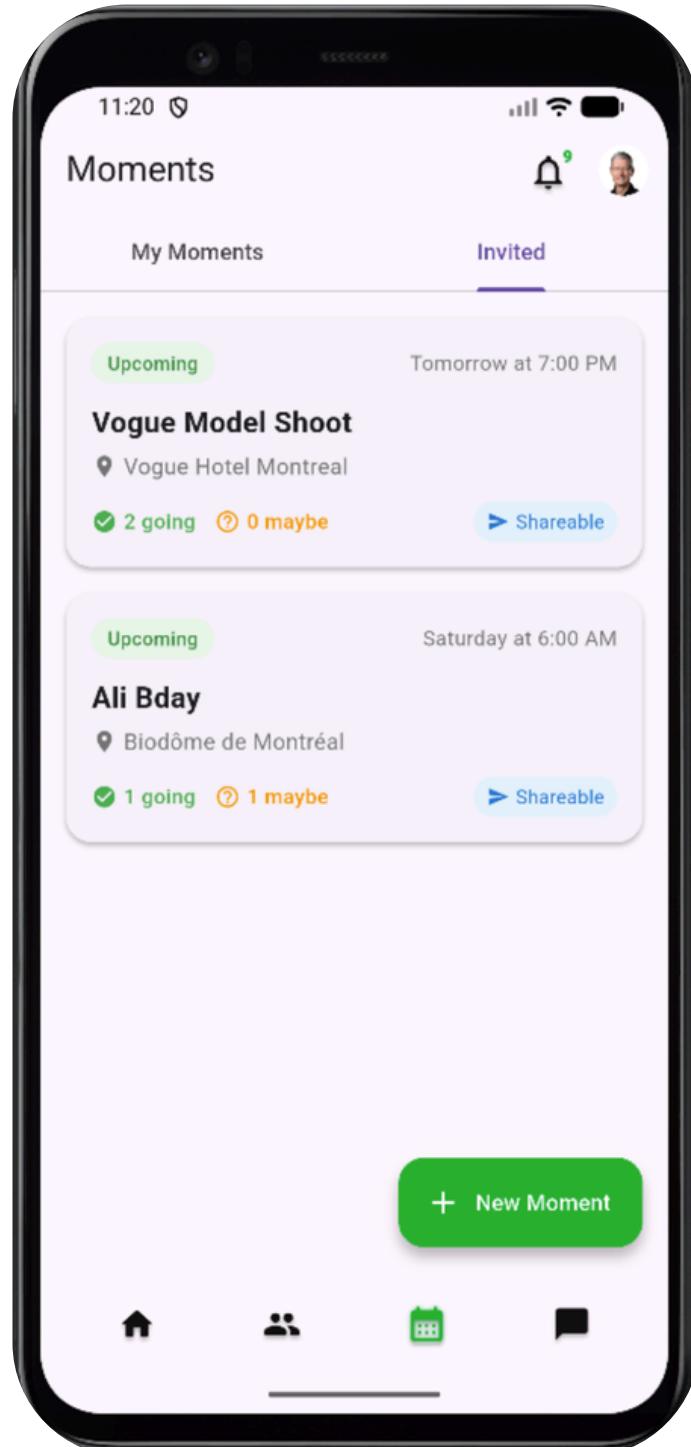


List of all chats in order of latest received.

Timestamps of each scene or moment sent to each other.

No messages allowed.

Moments



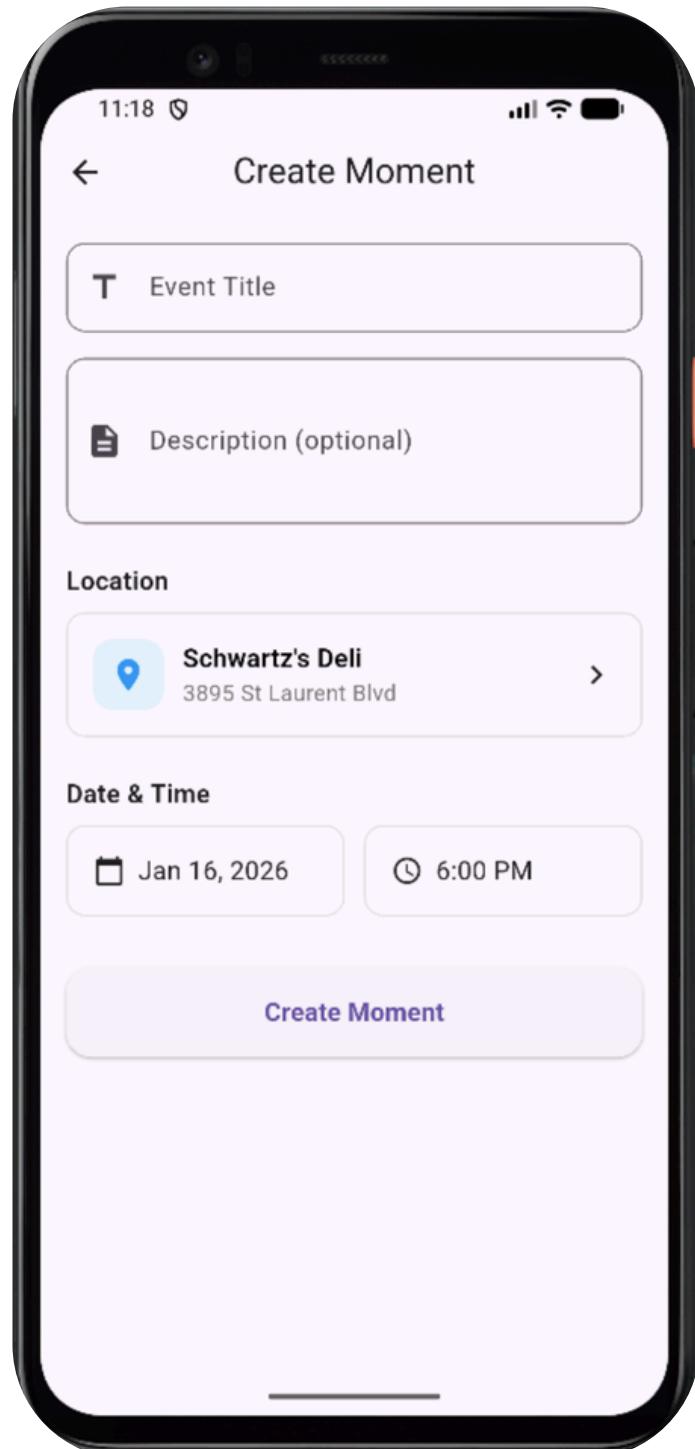
Turn a Scene/location into an event called Moment.

My moments tab are the ones you create.

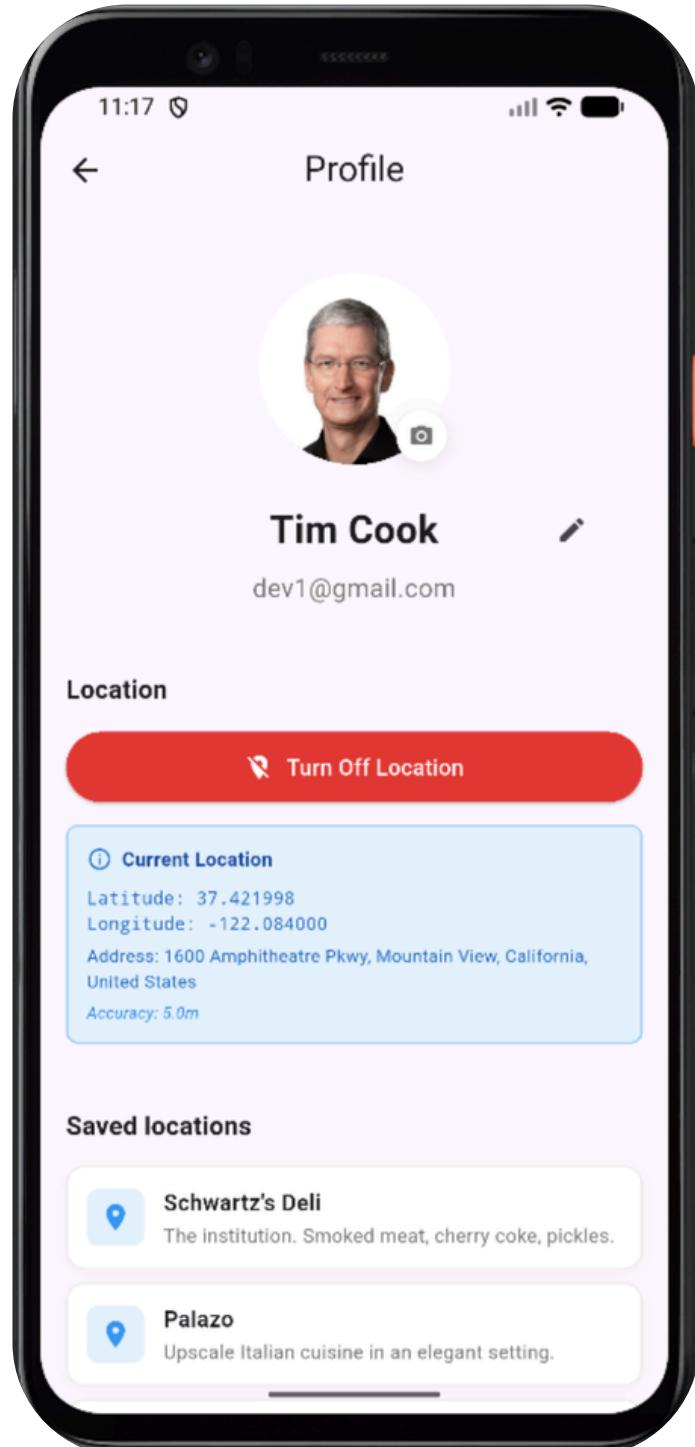
Invited tab are pulled from Moments that were sent to your chat from other people.

Moments setup

Name it, add bio, time, and share to your friends.



Geo location



Access the mobile emulators location and display it on your profile.

Only you can see it.

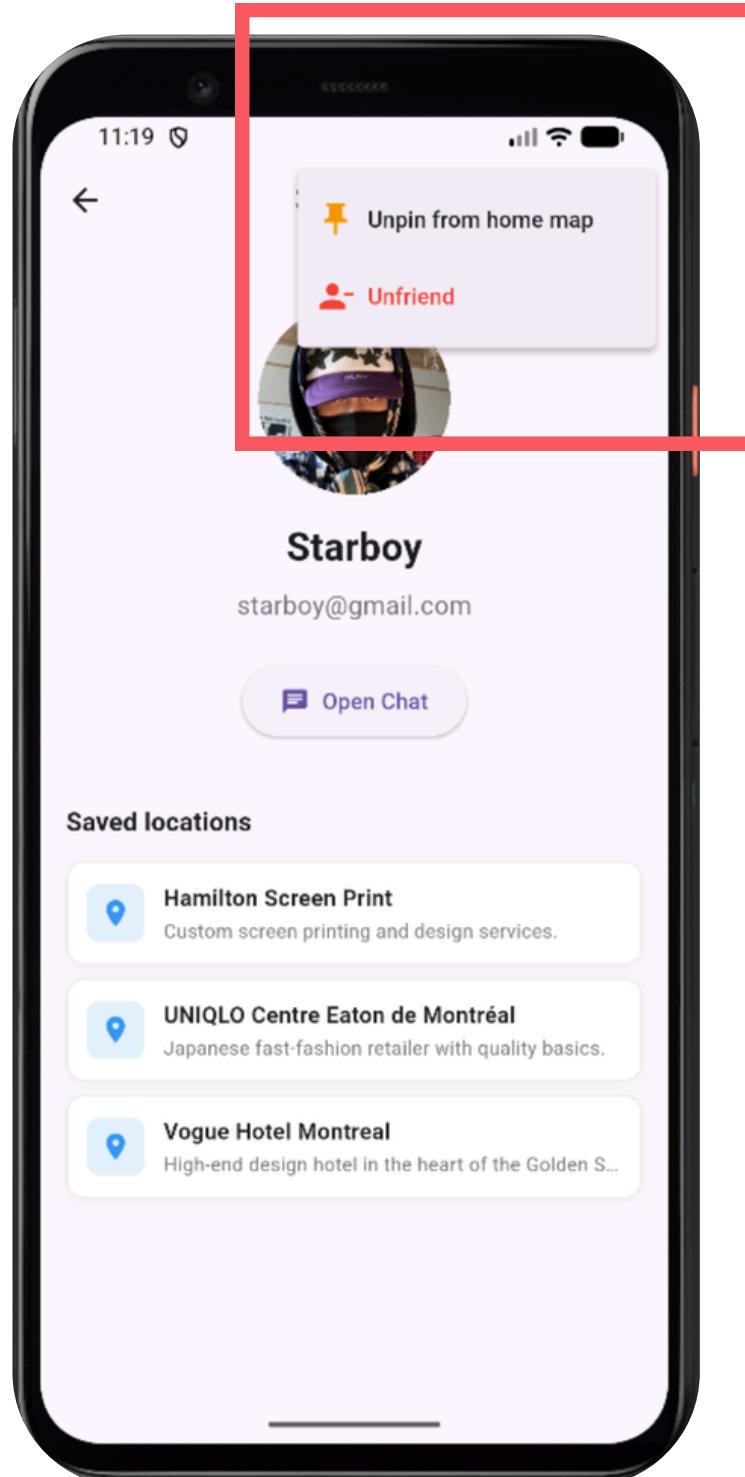
Resets after you close the mobile emulator.

Stays if you log out without closing the emulator.

Access it from profile or the settings page.

Exact coords and address.

Pinned Friends

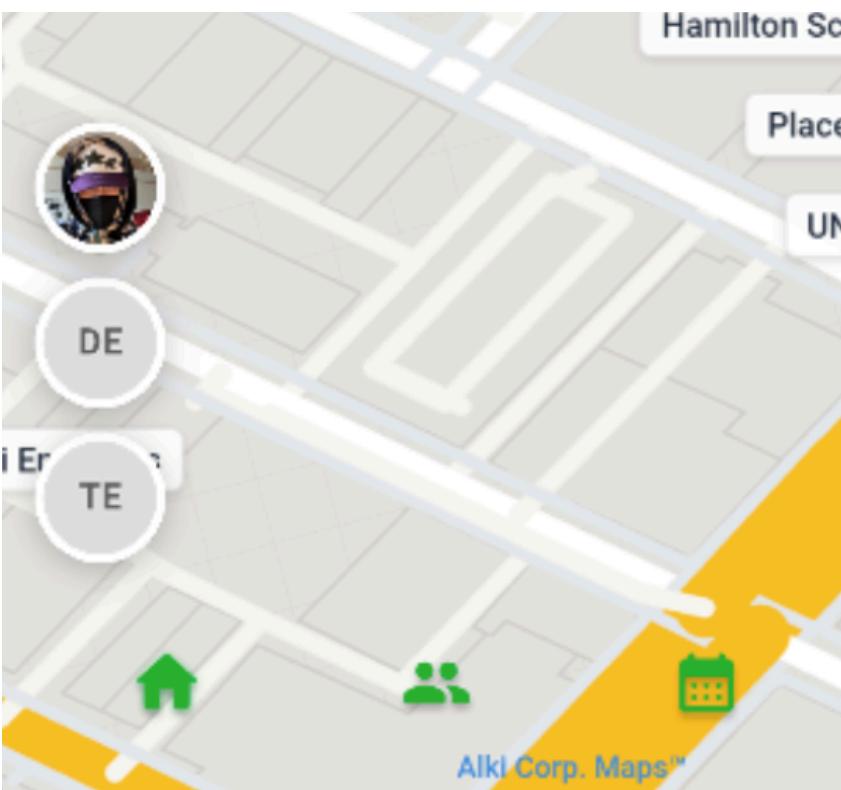


You can manage it from their friend card or their profile menu options.

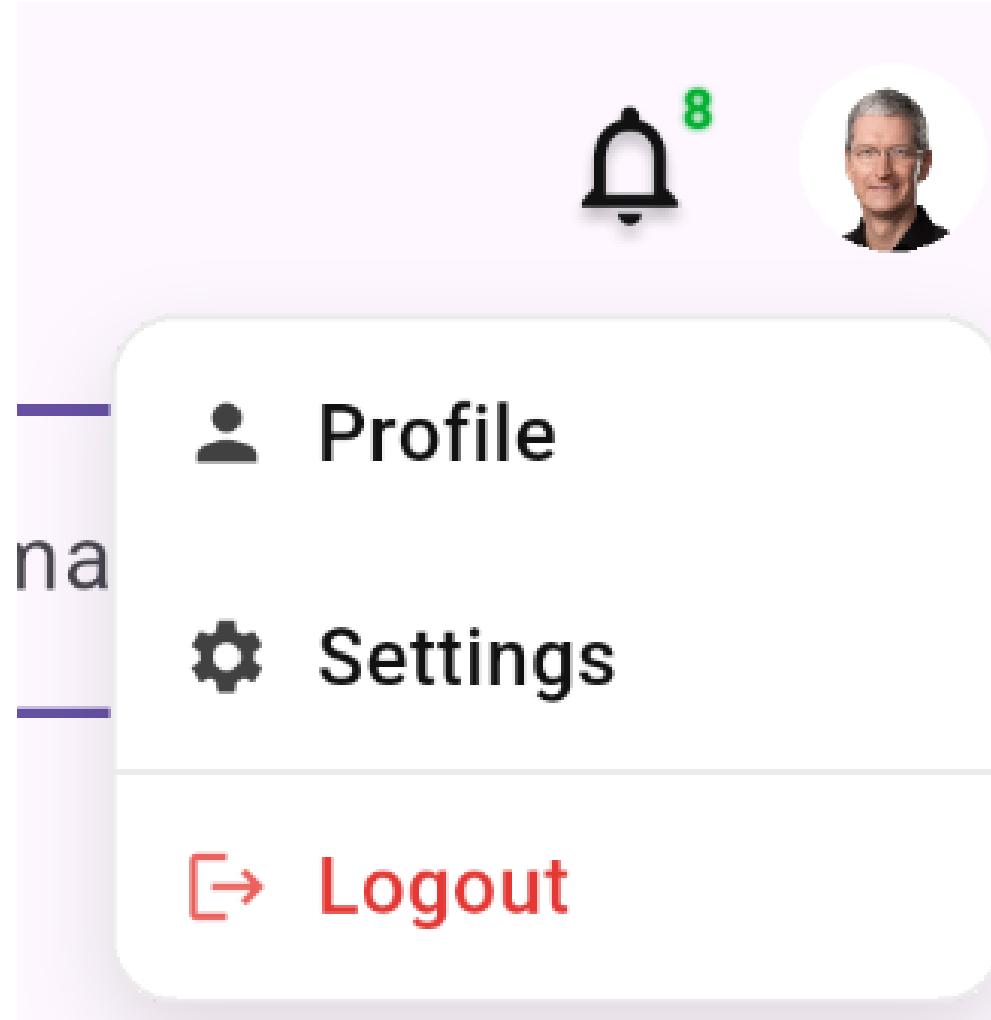
You can have none, or up to 3 pinned friends.

They will hover on the home screen.

Tapping them opens their profile page.



Logout and User



User icon appears in top right at all times.

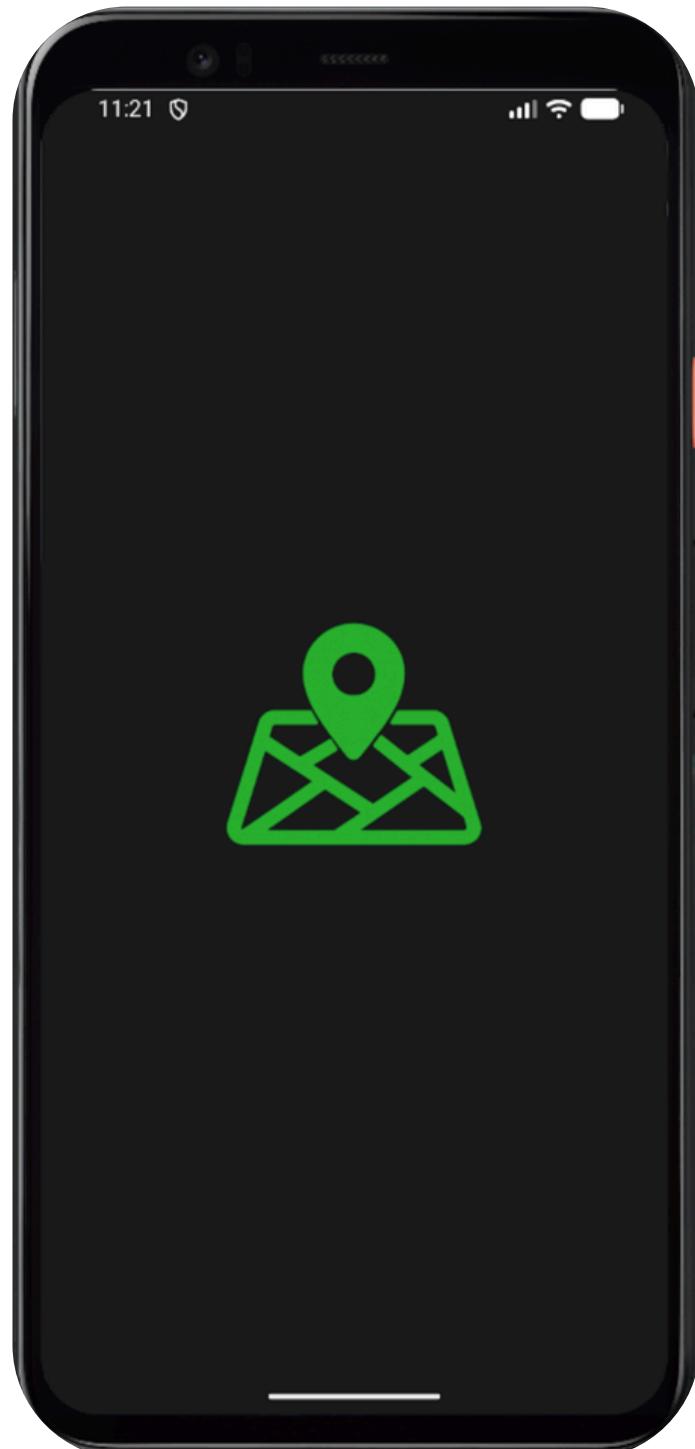
Menu shows profile, settings, and logout.

If no profile picture is set, user icon appears.

Profile picture will appear if set by user.

Splash screen

Branding the startup screen with our custom made Friendmap logo.



App icon

App icon has the Friendmap logo.



Firebase Dash

Proof of activity and userbase. 1 million soon?

The screenshot shows the Firebase Project Overview dashboard for the 'friendmap' project. The left sidebar includes links for Project Overview, Firestore Database, Storage, Authentication, Hosting, Analytics Dashboard, Product categories, Build, Run, Analytics, AI, and Related development tools (Firebase Studio). The main content area displays the 'Analytics' section, which shows a chart of Daily active users (DAU) from Dec 12 to Dec 18. The DAU count increased from 0 to 2 on Dec 18. A note indicates 'No data for the last 14 days'. Below the chart, there is a table of app performance metrics:

App	DAU	Day 1 retention	Revenue
Friendmap	2	0%	\$0.00
friendmap_project_(ios)	0	0%	\$0.00
friendmap_project_(web)	0	0%	\$0.00

At the bottom, there are buttons for 'View docs' and 'Add Analytics and monitoring'.

Authentication

Automatic handling from user registration for all sign up methods.

The screenshot shows the Firebase Authentication console for a project named "friendmap". The "Users" tab is selected. A banner at the top informs the user that certain authentication features will stop working soon: email link authentication for mobile apps, as well as Cordova OAuth support for web apps. Below the banner is a search bar and an "Add user" button. A table lists ten users with their identifiers, providers, creation dates, sign-in dates, and user UIDs. The users listed are:

Identifier	Providers	Created	Signed In	User UID
testaccount289123@gmail.com	Email	Jan 15, 2026	Jan 15, 2026	wWZxwqkWgwMWSP8eGdkY...
testemail39302i390i93...	Email	Jan 15, 2026	Jan 15, 2026	FOemyir7A9UVBtLqUYkjZUfz0...
+11235550987	Phone	Jan 15, 2026	Jan 15, 2026	oQgn7wxmQcdiPywRRdwOJ9...
alkibiades.corp@gmail.com	Google	Jan 15, 2026	Jan 15, 2026	wuR21rC8SZOhMe55oqoxEa8...
starboy2@gmail.com	Email	Jan 14, 2026	Jan 14, 2026	tJ2GGMXnAmWXJQpUrQmim...
starboy@gmail.com	Email	Jan 14, 2026	Jan 15, 2026	LNOKddXre7ePAQIWrZ1n52Vr...
dev7@friendmap.app	Email	Dec 18, 2025	Dec 18, 2025	cvRXUliuVOVi6w7lxDxHAix87...
dev6@friendmap.app	Email	Dec 18, 2025	Dec 19, 2025	LCm1n6k7Q7TRmCAkKO72pU...
dev5@friendmap.app	Email	Dec 18, 2025		Dl26pqaOIQeZOxfFqdTUYC...
dev4@friendmap.app	Email	Dec 18, 2025		strAOUEifuMMWjNOWDCGO...
dev3@friendmap.app	Email	Dec 18, 2025		12QuegJduNSzo29iN55Rgg1...

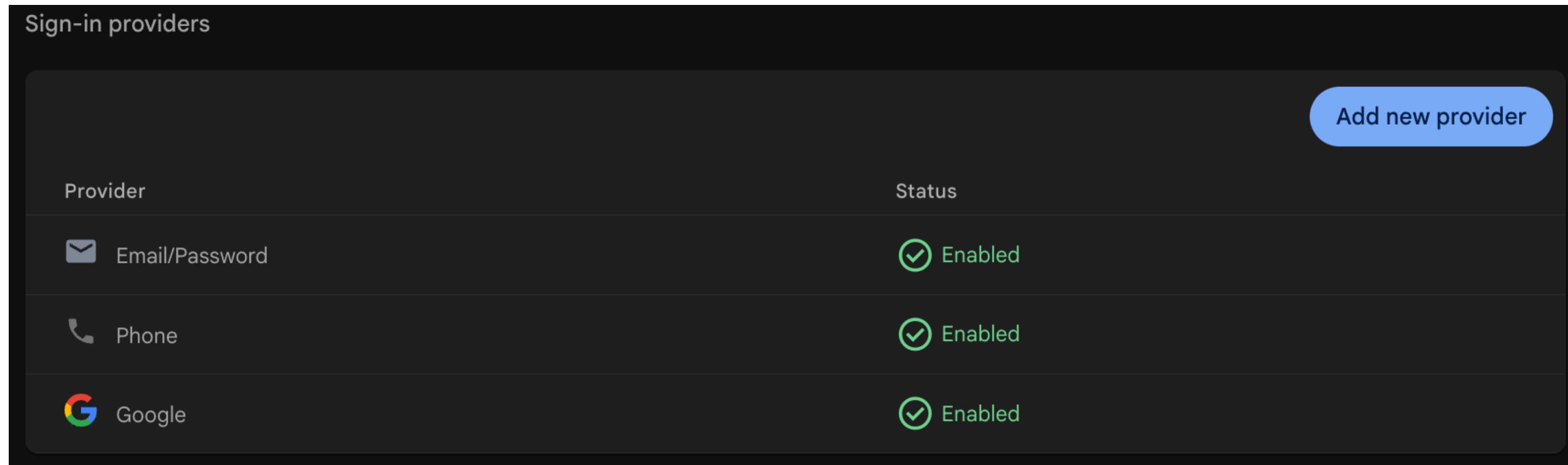
Email enabled

Just like required. Templates included.

Sign-in providers

Provider	Status
 Email/Password	 Enabled
 Phone	 Enabled
 Google	 Enabled

Add new provider



Collection

Collection/Documents/Fields. Handling all the firestore needs.

The screenshot shows the Google Firestore console interface. The left sidebar lists collections: conversations, friendRequests, locations, moments, and users. The main area shows a collection named "conversations" with a single document named "BjylUsm6TnKnMBF6L8EH". This document contains fields: messages, createdAt (January 15, 2026 at 2:09:40 AM UTC-5), lastMessage ("Shared a moment"), lastMessageSenderId ("URK9tguZUOQoGc3VhFkfwT8evYI2"), lastMessageTime (January 15, 2026 at 9:47:01 PM UTC-5), participants (an array with two items: "URK9tguZUOQoGc3VhFkfwT8evYI2" and "LCm1n6k7Q7TRmCAkKO72pU6SgcZ2"), and updatedAt (January 15, 2026 at 9:47:01PM UTC-5). A "More in Google Cloud" button is in the top right corner.

(default)	conversations	BjylUsm6TnKnMBF6L8EH
+ Start collection	+ Add document	+ Start collection
conversations	BjylUsm6TnKnMBF6L8EH	messages
friendRequests	PfUbrXYh2QspqQYhGkSk	
locations	ZZ91cFGJzBjHKY5nicvu	
moments	aYCZ4sGSSve484yFCgKq	
users	hvj91XATE1f0vzbR9Q84	
	sh8EvPrHPbE77C45dZua	

Fields:

- createdAt: January 15, 2026 at 2:09:40 AM UTC-5
- lastMessage: "Shared a moment"
- lastMessageSenderId: "URK9tguZUOQoGc3VhFkfwT8evYI2"
- lastMessageTime: January 15, 2026 at 9:47:01 PM UTC-5
- participants:
 - 0 "URK9tguZUOQoGc3VhFkfwT8evYI2"
 - 1 "LCm1n6k7Q7TRmCAkKO72pU6SgcZ2"
- updatedAt: January 15, 2026 at 9:47:01PM UTC-5

Firebase Indexes

Handles the logic multiple firebase functions.

Collection ID	Fields indexed ⓘ	Query scope	Index ID	Status	
conversations	⬇️ participants ⬇️ updatedAt ⬇️ __name__	Collection	CICAgJim14AK	Enabled	⋮
friendRequests	⬆️ toUid ⬆️ status ⬇️ createdAt ⬇️ __name__	Collection	CICAgOjXh4EK	Enabled	⋮
moments	⬇️ invitedFriends ⬆️ dateTime ⬆️ __name__	Collection	CICAgJ7z4EK	Enabled	⋮
moments	⬆️ createdBy ⬆️ dateTime ⬆️ __name__	Collection	CICAgJjF9oIK	Enabled	⋮
friendRequests	⬆️ fromUid ⬆️ toUid ⬆️ status ⬆️ __name__	Collection	CICAgJiUpoMK	Enabled	⋮

Jira

We organize and assign ourselves tasks here to stay on track.

The Jira interface shows a Kanban board for project management. The columns represent different stages of the workflow:

- TIERS**: Contains tasks 2, 5, 6, and 7, each with a description and a KAN-XXXX key.
- TO DO**: Contains tasks 2.1 (Firebase Setup), 2.2 (Google Maps API), 2.3 (Navigation Bar), 2.4 (Authentication), and 2.5 (User accounts + registration).
- IN PROGRESS**: Contains tasks 3.1 (Architecture & Dependency Injection) and 3.2 (Core Configuration & Theme).
- IN REVIEW**: No tasks are currently listed.
- FINISHED**: Contains task 1.1 (Project Foundations).
- RESOURCES**: Contains sections for Planning, Team Configuration, Git CLI, and KAN-XXXX.

At the top, there is a search bar, a '+ Create' button, and a '6 days left' timer. The overall theme is dark with blue and orange highlights.

The
end.

Thank you for listening.