

Movie is the main app and RealmExp is only used to insert data to the cloud server. If you don't register for your own realm server, there's no need to use it.

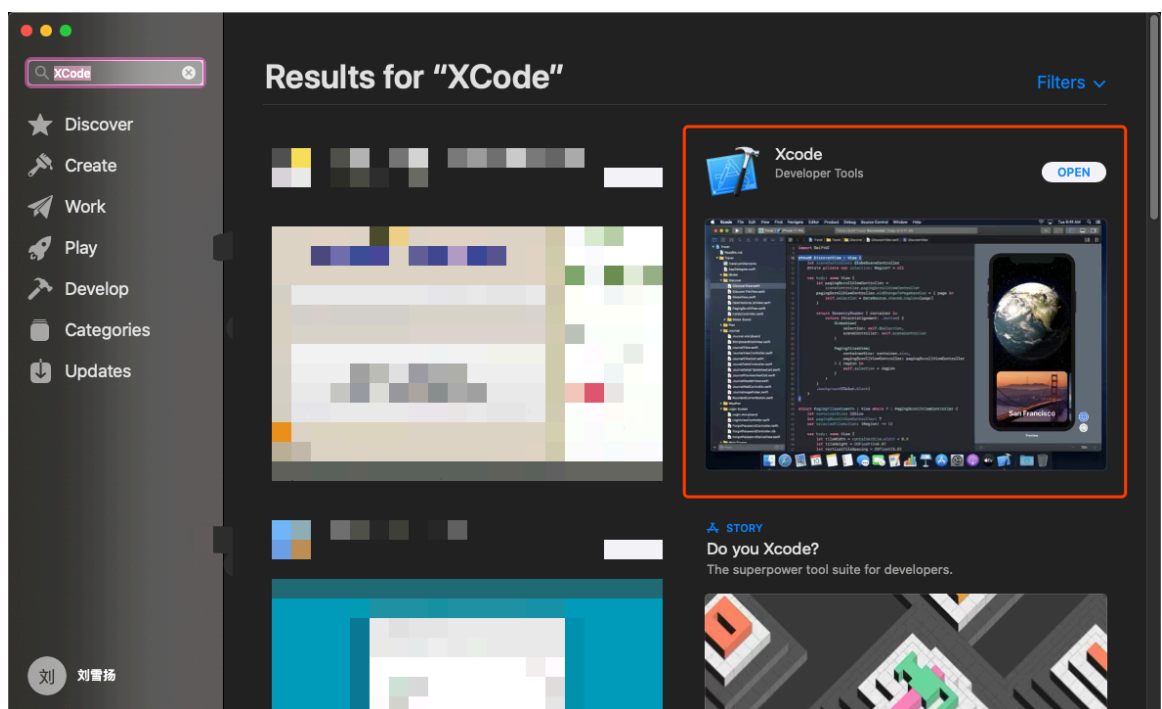
This document will guide you configure the app and run it.

The basic requirement is an iPhone with iOS higher or equal to 13.4 and a Mac which runs mac OS.

First of all, download and install the following programs:

1) XCode in the App Store

If you already have XCode on your Mac, update it to make sure it works with iOS 13.0 or higher.



2) CocoaPods on its official website: <https://cocoapods.org/app>

Scroll down and find the download button.

# Download

You can look at all of our releases on the [CocoaPods/CocoaPods-App GitHub releases page](#).

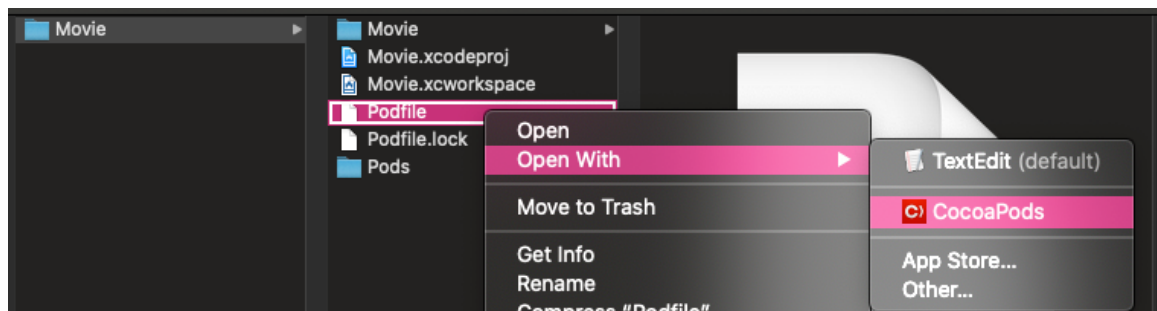
Our most recent release is 1.5.2

Download CocoaPods.app

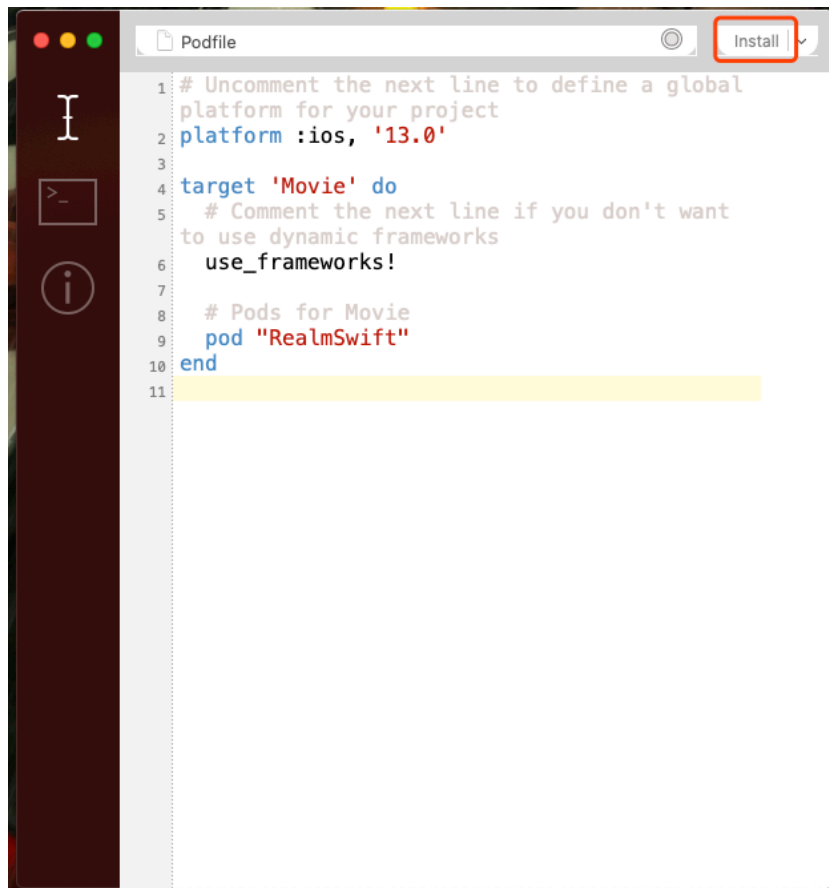
Unzip the downloaded file and open it.

Now, if you want to register for your own Realm Cloud server, you can scroll down to the end of this document and find the guidance. Otherwise, it's ok to do nothing and continue to do the following steps.

Before open any file with XCode, the cocoapods file named Podfile needs to be updated. Open the "Podfile"(the one without ".lock") with CocoaPods.

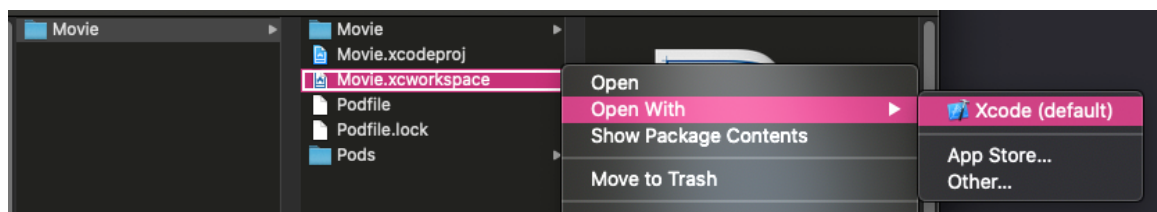


The following window will open.



There is no need to change anything in the file, just click the “install” button to install the RealmSwift on your Mac, so that the app can use it.

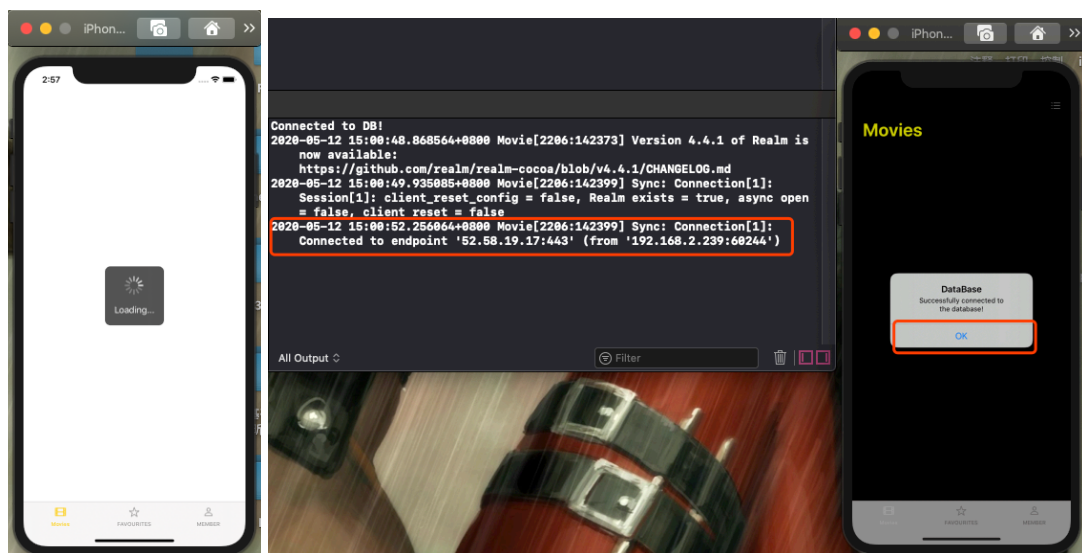
Now, open the Movie.xcworkspace file by XCode. (Remember to open the workspace file, not the project file)



Select the simulator you like, as long as it's an iPhone, not an iPad. In my own developing process, I used iPhone 8 because my own iPhone is an 8, but you can choose iPhone 11, iPhone 11 Pro and etc.



Then click the “Run” button or use “ctrl+R” to run the app on the selected simulator. Notice that the first time you run the app, it may take relatively longer to be prepared and connected to the database.



The “Loading” view may stay for a while and upon the output prints the “connected” message in the left red block, the app is connected to the cloud server. At this moment, it’s ok to click “ok” and start using the app. It will take some time at the very first run and when you run the app for the second time or more, this process will be fast.

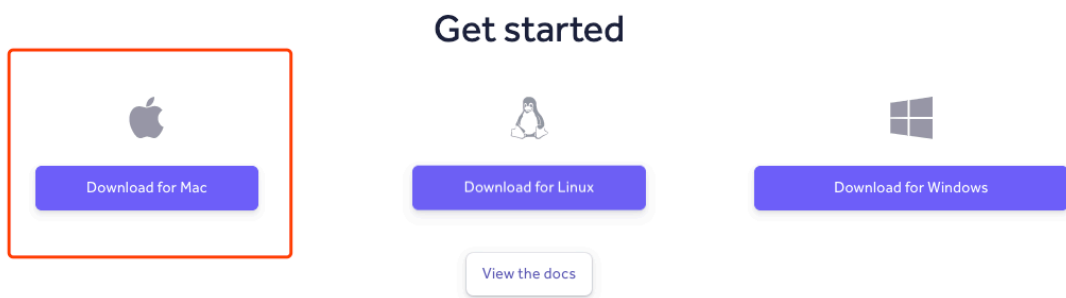
If there is any problem, contact [X.Liu110@student.liverpool.ac.uk](mailto:X.Liu110@student.liverpool.ac.uk) for help at any time.

(Optional) Only need to be used later than 13 June 2020 because my current one-month trial start from 14 May 2020

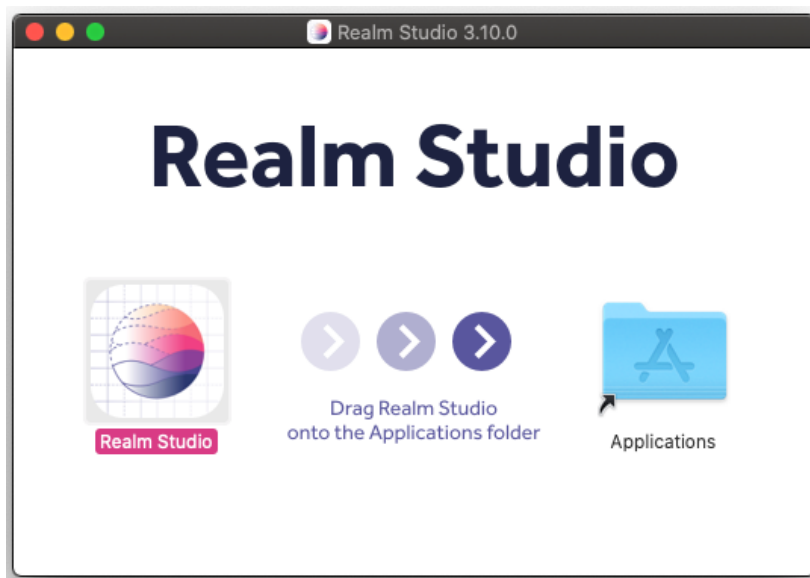
Register for your own Realm Cloud Server!

Realm Studio on its official website: <https://realm.io/products/realm-studio/>

Scroll down and find the download button.

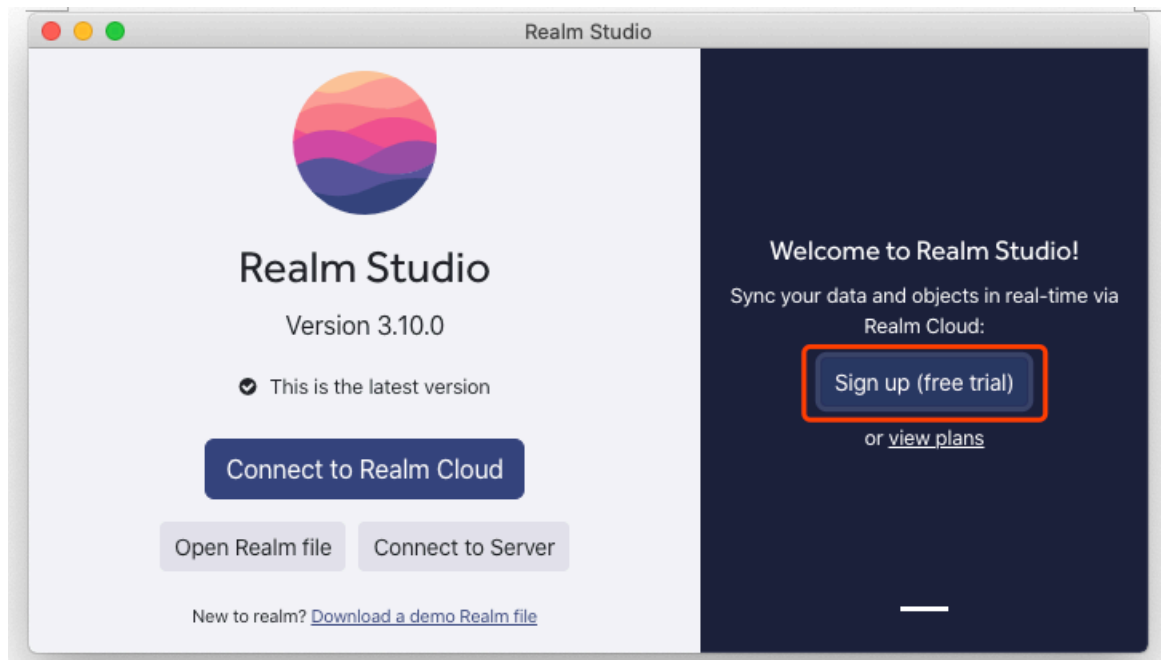


Open the .dmg file and copy the program to Applications.

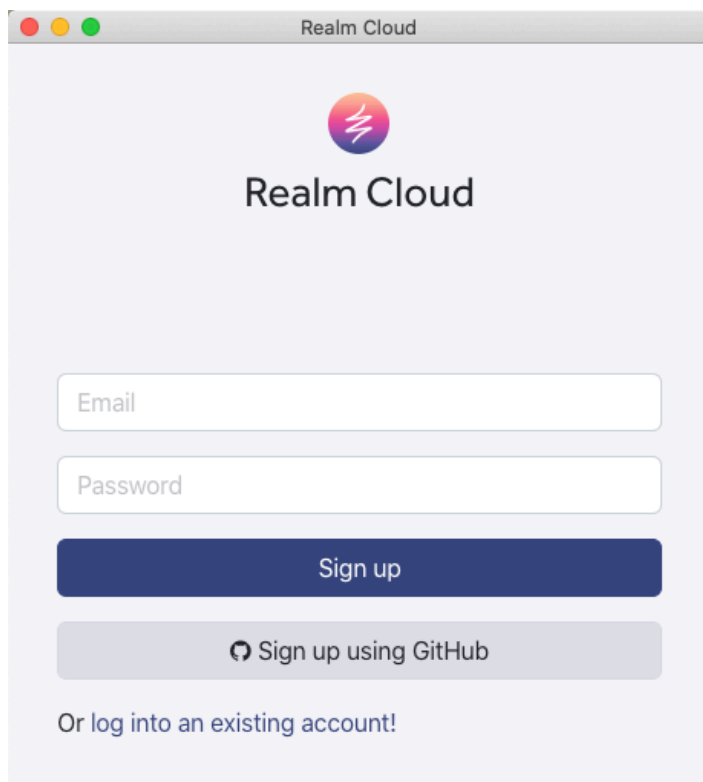


Go in Applications and right click to open the App, in case it needs administrator approval.

Once the App is successfully opened, click on the "sign up (free trial)" button for the Realm Cloud server.

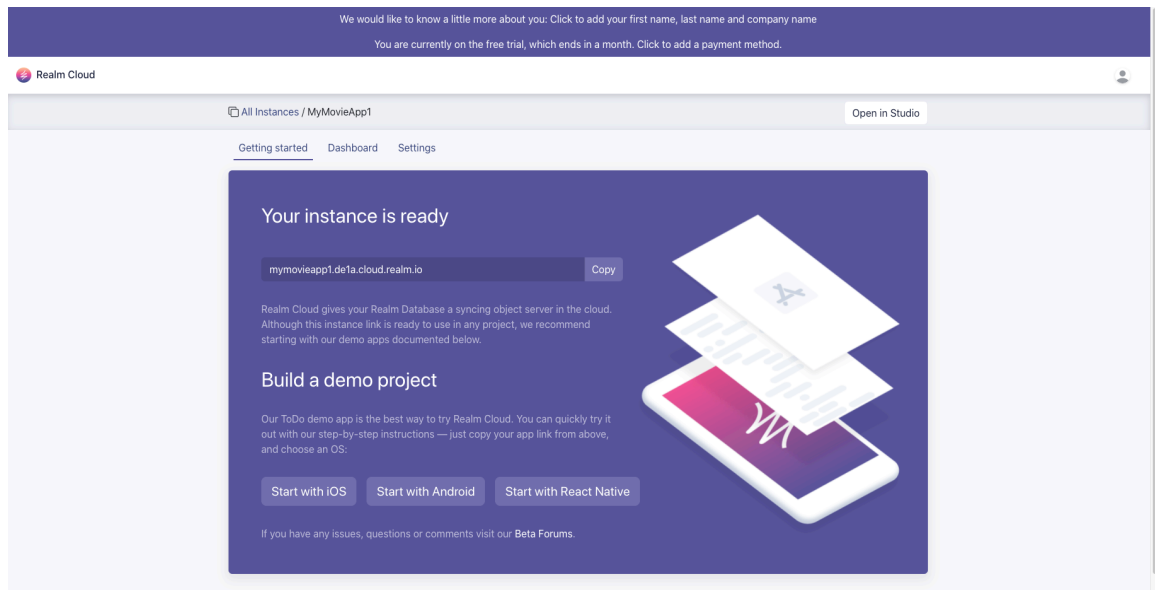


Fill in your email and password and click sign up.

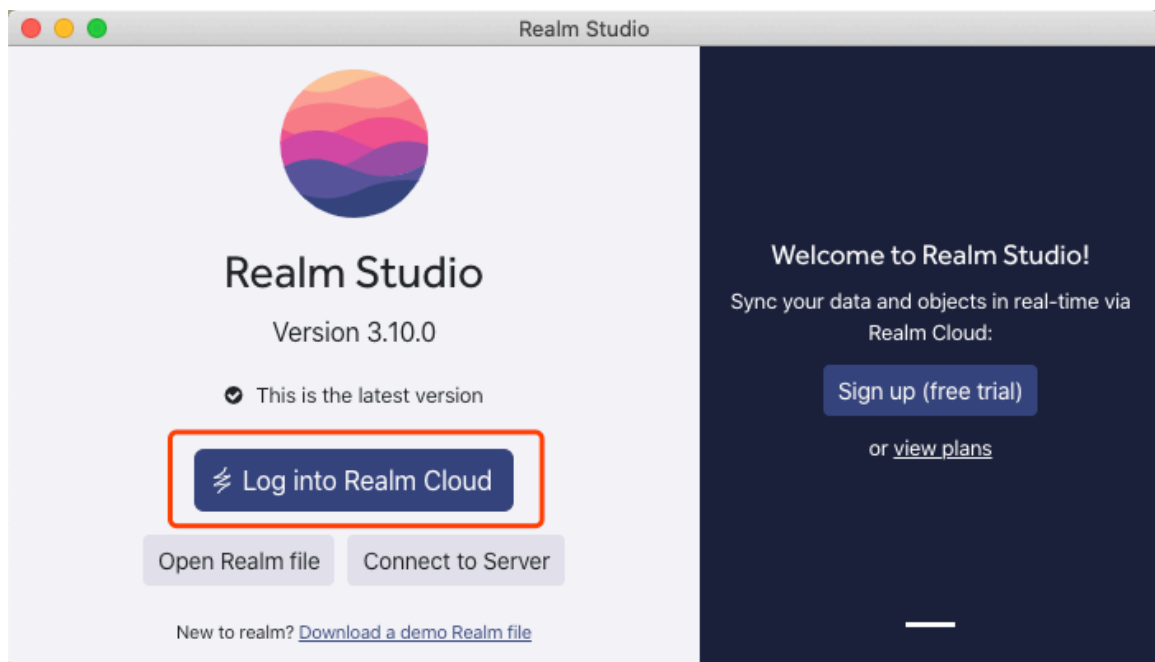


Fill in some personal information on the link sent to your email address.

And give your new instance a name, it will be ready to use in a second.



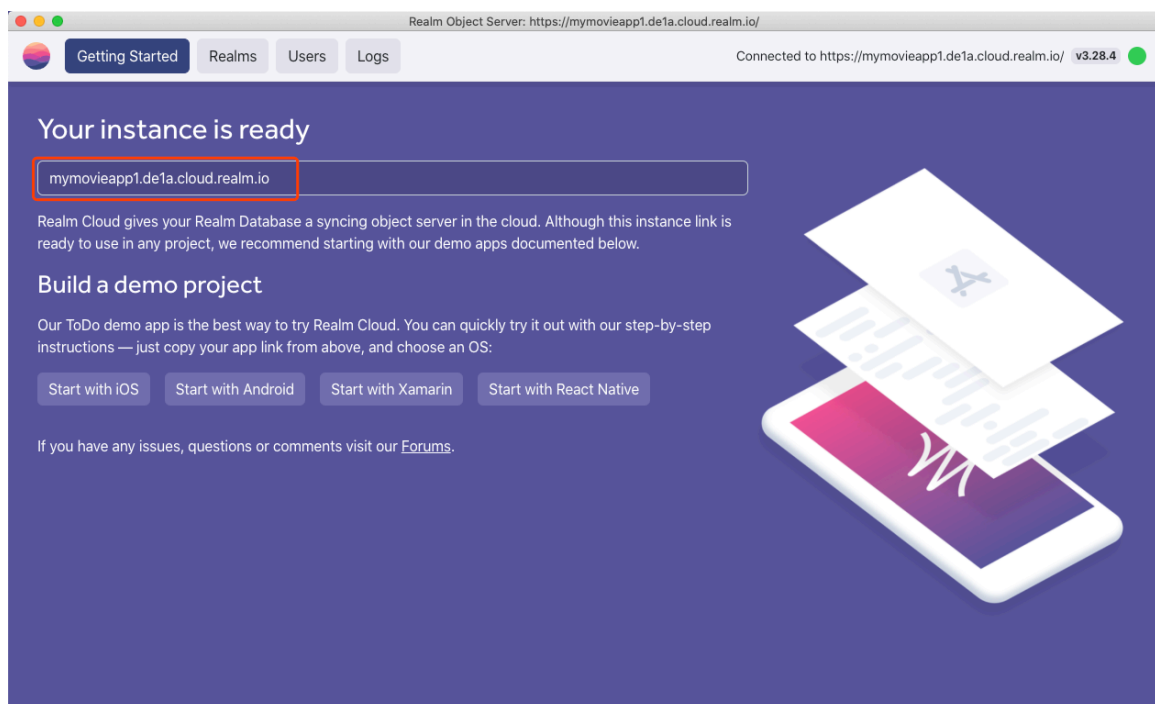
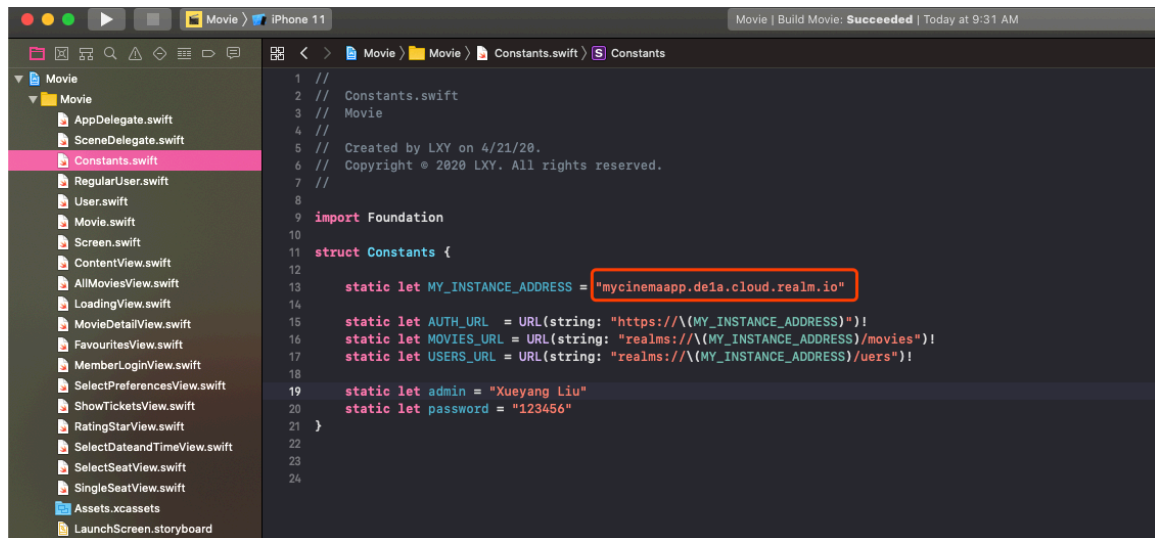
Now go back to the Realm Studio app and click log in.



Fill in the email and password

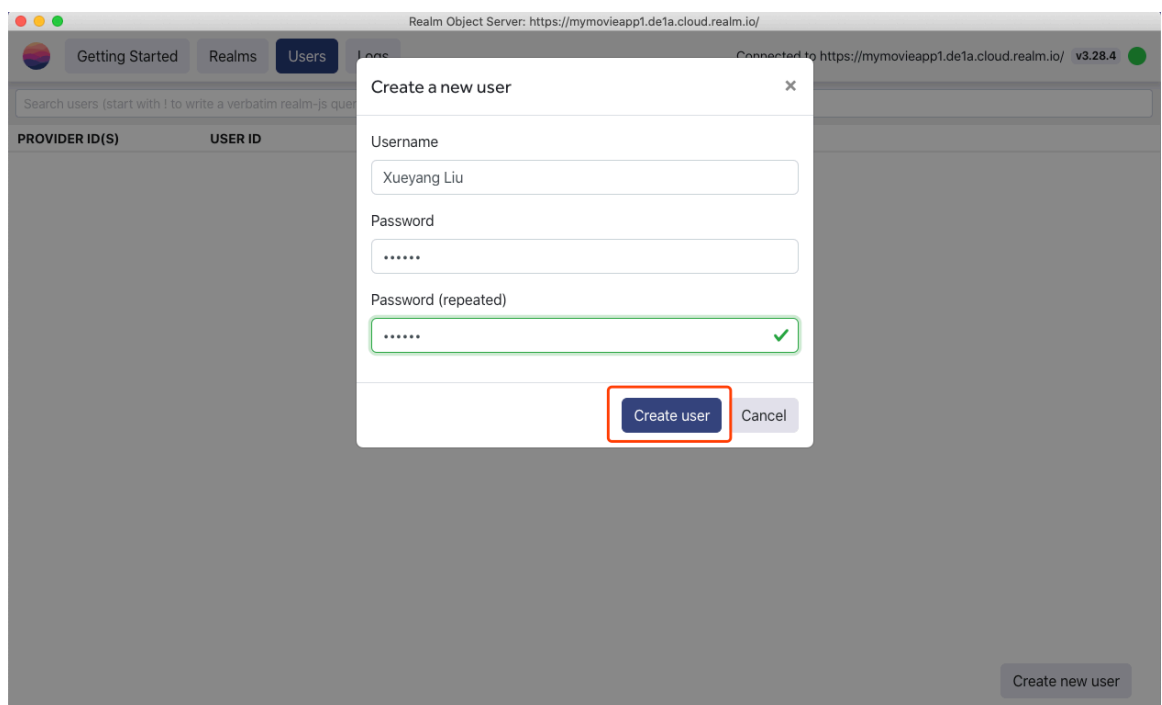
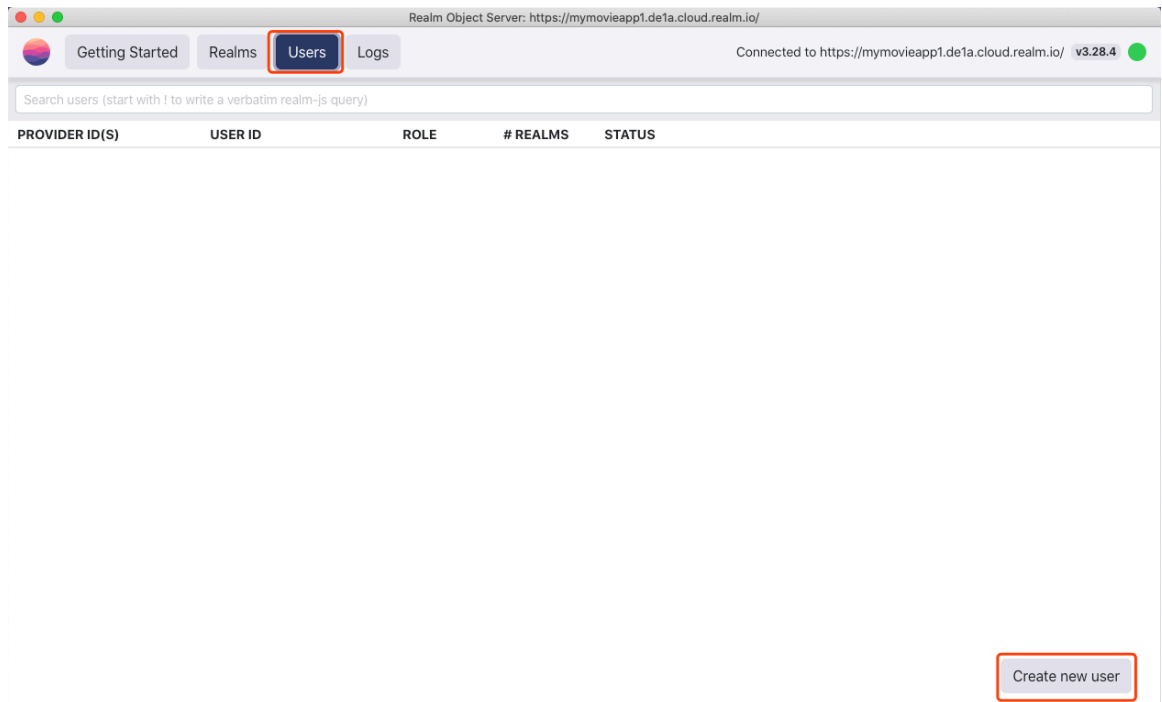
And click connect to Realm Cloud

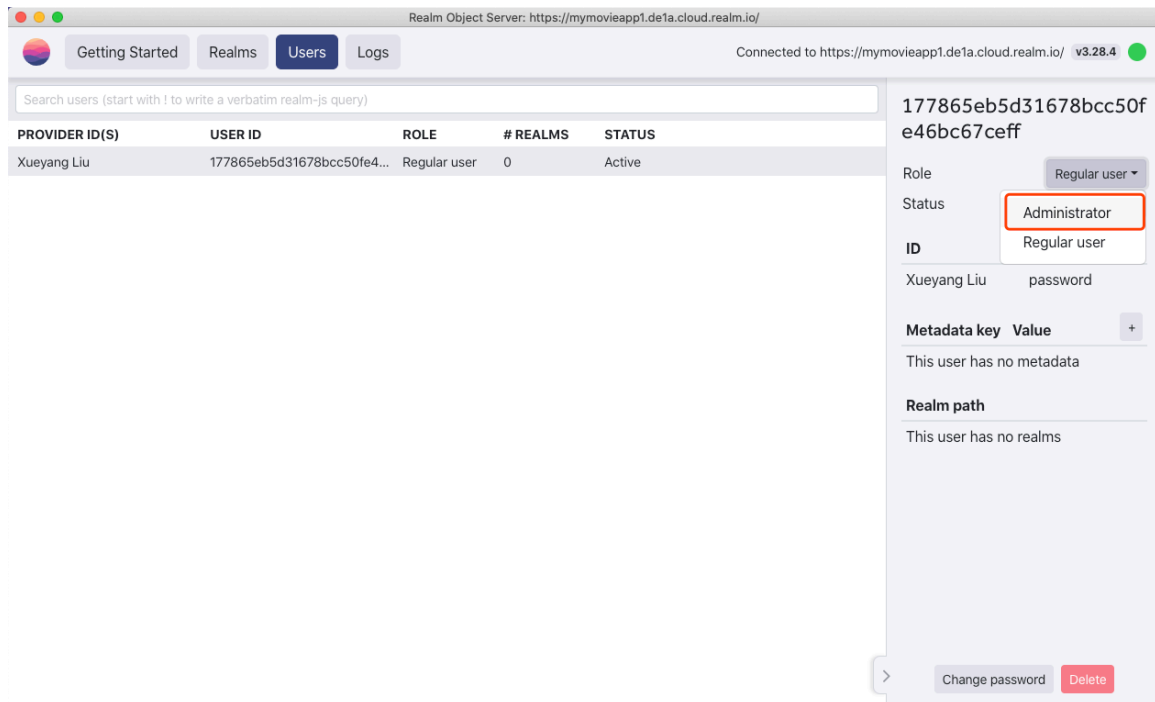
Now, replace the url in Constants.swift in Movie project with the instance url.



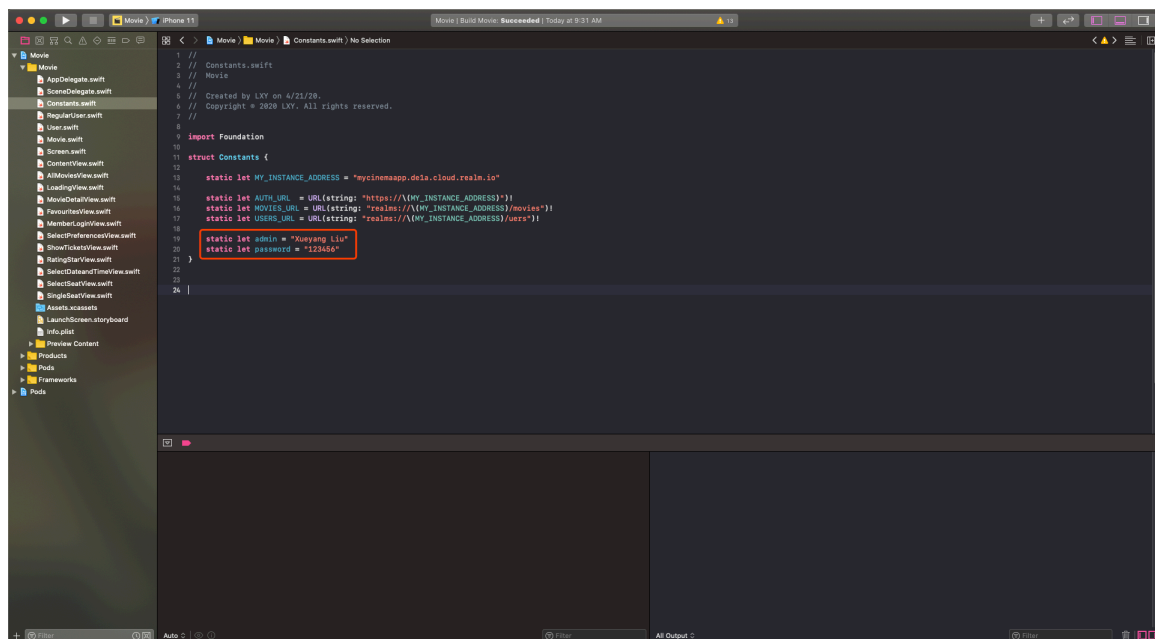
Then click user and create new user.





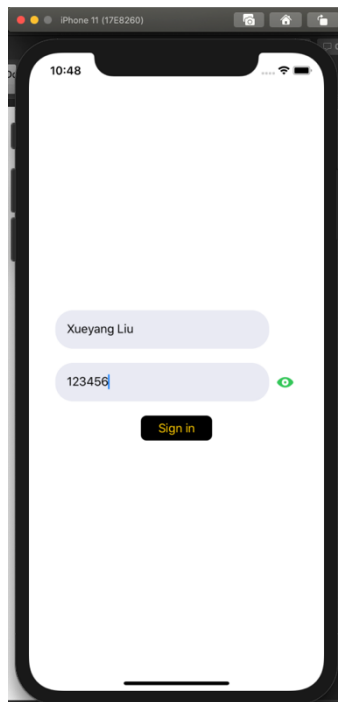


Input your desired username and password. promote the user to administrator and update the one in the Constants.swift in Movie project.



Now, the final step: Open the RealmExp project and update its Constants.swift.(the workspace file as well)

Run the RealmExp by simulator:



Sign in using the realm username and password, same as what you write in the Constants.swift in the Movie Project.

Click once the write movie button and once the write screen button.

Now go to realm studio see if the database is initialized with these data.

name	id	year	length	rating	Certificate	Genres
How to Train Your Dragon: The Hidden Wo	1	2019	104	4	PG	[list of Genre: Anim
The Wolf of Wall Street	2	2013	180	4	18	[list of Genre: Biog
Joker	3	2019	122	5	15	[list of Genre: Crim
Inception	4	2010	148	5	12A	[list of Genre: Actic
The Shawshank Redemption	5	1994	142	4	15	[list of Genre: Dram
Leon	6	1994	110	5	18	[list of Genre: Actic
La La Land	7	2016	128	4	12A	[list of Genre: Com

If the realm studio show something like “no class schema”, just delete the /movie archive and run the RealmExp again to initialize it. Sometimes the bug occurs due to the delay of Internet.

Getting StartedRealmsUsersLogs

Connected to https://mymovieapp1.de1a.cloud.realm.io/ v3.28.4

Search Realms (start with ! to write a verbatim realm-js query)

PATH	OWNER	TYPE
/default	nobody	reference
/movies	Xueyang Liu	full

Create new Realm

