Use Cases and Logical Architecture

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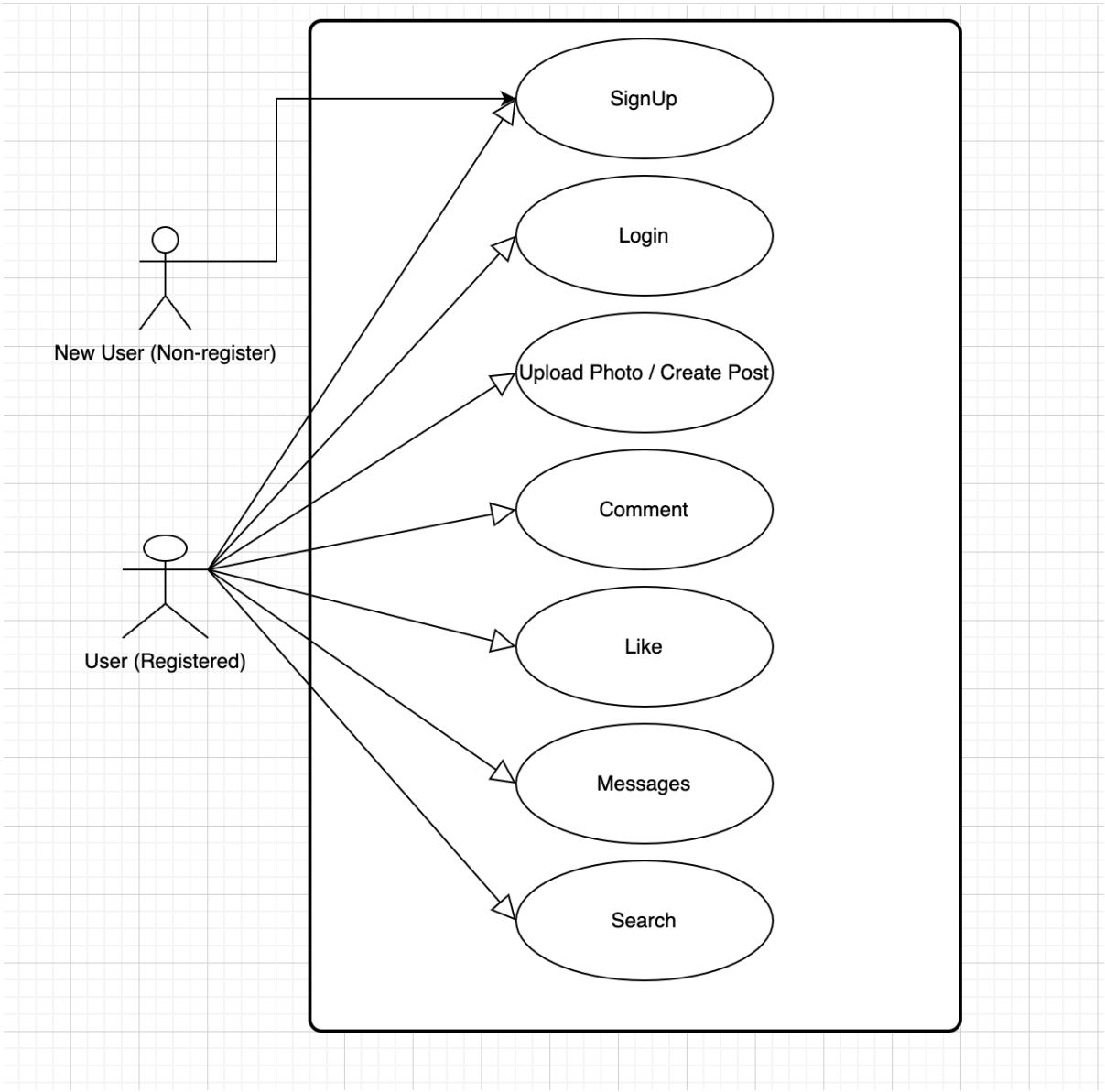
- Project Title: GymGram App

Section 1: For Each Use Case:



Title (Goal)	Sign Up
Primary Actor	Non-Register User – Register User
Story	Allow new user to set up an new account. When non-register users want to use the Gym Gram app they need to sign up first from the sign up page. And for the register users if they want an additional account they can create a new account as well.

Title (Goal)	Log In
Primary Actor	Register User
Story	Log In Page allow register users to log In to the system to get access to their profile. From the log In page users can enter their Email and their Password to log in to their profile and use the app.

Title (Goal)	Upload Photo / Create Post
Primary Actor	Register User
Story	Register users can upload photos from their Gallery or having access to their mobile camera take a photo from their Camera and upload it to allow other users to like it and comment on it .

Title (Goal)	Comment
Primary Actor	Register User
Story	Register users can add comments to their photos and to other users photos and see other users comments.

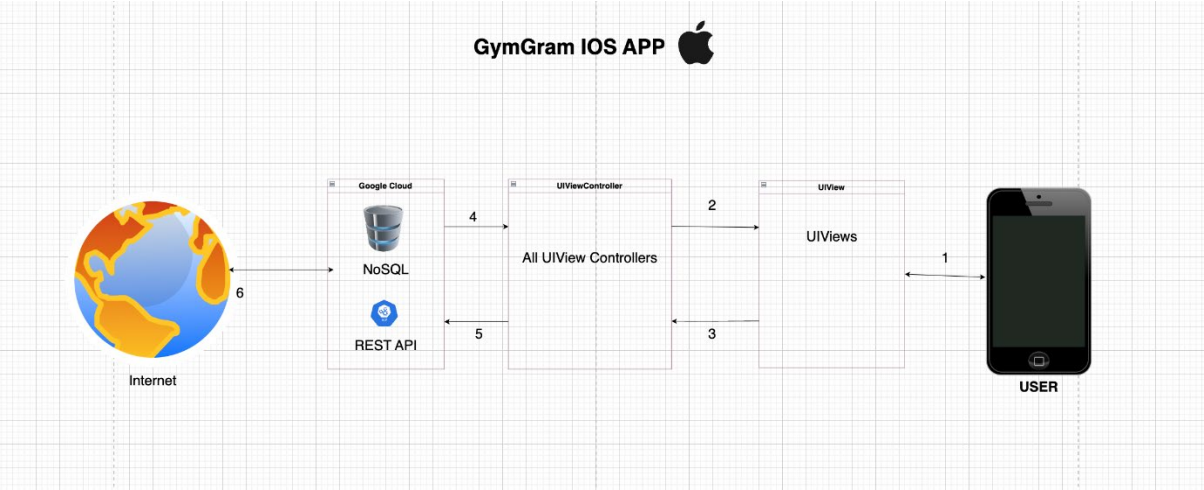
Title (Goal)	Like
Primary Actor	Register User
Story	Register users can add Like to their photos and to other users photos and see how many likes on each photo or post that they already uploaded and how many likes on other users photos.

Title (Goal)	Messages
Primary Actor	Register User
Story	Register user can send private messages to and from other users from the messages page

Title (Goal)	Search
Primary Actor	Register User
Story	Register user can search for other users by the users name and see their profile (also I will try to allow the users to search by the hashtags to find the exercises name that they looking for)

Section 2: Logical Architecture

Logical Architecture for: **GYMGRAM IOS APP (Swift Language)**



1- Users Interactions where user can see log In, Sign up, profile, messages, search bar, comments, likes and home page.
2- UIViewControllers to update the content of the view and make the views interactive.
3- User actions like if user app photos or comment or likes.
4- Database response, for login information.
5- Data is stored as JSON and synchronized in Realtime.
6- Get workouts data from the internet(HTTPs) using REST API.

I going to use Swift language, XCode(Version 14.0.1) tool and an IOS Simulator.

For database I am going to use Google Cloud database called Firebase Realtime database store and sync data with NoSQL and data is stored as JSON.