

Knight Foundation School of Computing and Informational Sciences

Spring 2023 Capstone 2 Project

University Social App

Student: Rebeca Gonzalez

Product Owner: Rogelio Lopez

Instructor/Faculty: Dr. Masoud Sadjadi , Florida International University

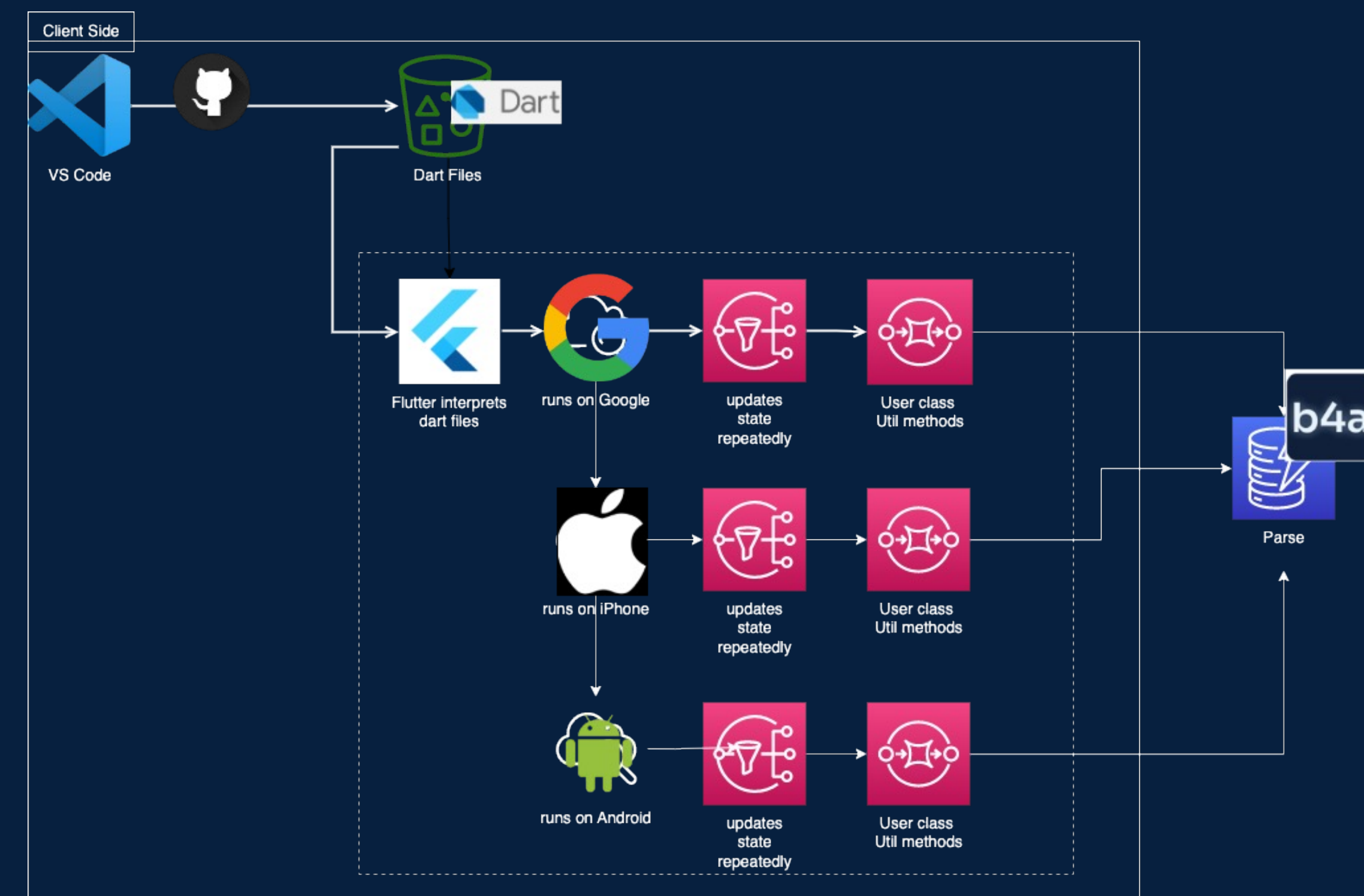
PROBLEM

Our team of Florida International University Seniors, have been attending school here for four years. In this time, we recognized a discrepancy of student participation. Currently, FIU has around 58,000 students. However, this is never reflected in any activity held at FIU. Given FIU's commuter nature, it is expected that students spent less time on campus, ergo less time to create connections. Our solution to this was to create a specialized app for FIU students to connect and socialize. Later implementation could be expanded to include all universities.

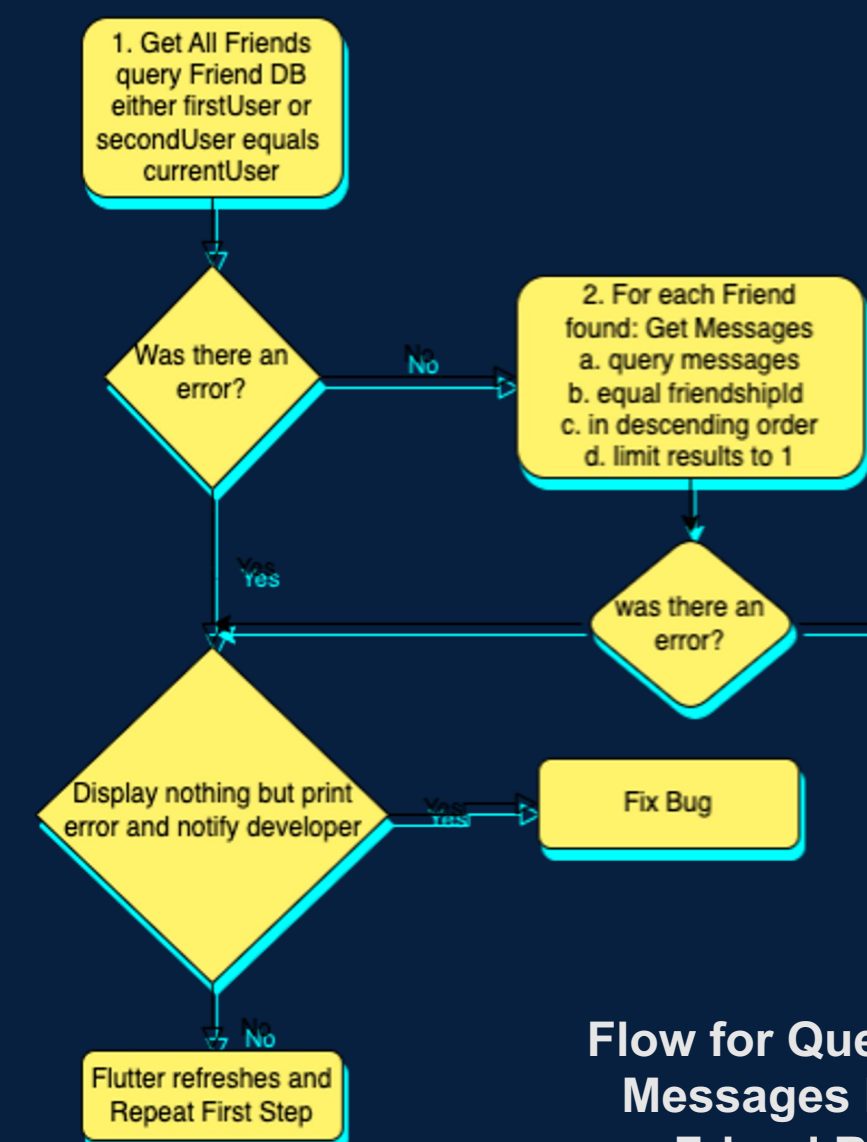
SYSTEM DESIGN

Sprint 2 was dedicated to researching what the best front-end library and best database could be. After different possibilities, the team agreed on Flutter and Parse (Back4App). Due to Flutter's simple language, Dart, which is like almost any other language, so less time is spent learning syntax. Flutter, as can be in the diagram above, allows for easy running on almost as systems without needing a conversing program.

Flutter runs on Chrome, iPhone, and Android as soon as its deployed. Parse was chosen because Flutter and Parse have an extensive documentation page, which makes troubleshooting easier.



VERIFICATION



There were multiple ways in which the team verified the correct product was being built. Mostly relied on conducting user testing: Conducting user testing is a great way to verify the app's usability and design. The teammates became users to test the app and provide feedback on their experience for each other's tasks. Most of the team relied on the feedback from our product owner to confirm no task strayed away.

For the backend User utils methods, the way to verify if they were working correctly was to check the database and see if the API calls were changing the data accordingly.

Public Read and Write enabled															
#	objectId	emailVerified	age	birthdate	password	username	createdAt	password	email	major	gender	firstName	lastName	updatedAt	Add new users
1	5d4e551071	True	Public Read, Write	18 Apr 2023 at 18:11	(undefined)	selectUserView	18 Apr 2023 at 18:11	(undefined)	(undefined)	male				2023	
2	97d0252a5b	False	Public Read, Write	13 Apr 2023 at 18:11	(undefined)	tryRegister	13 Apr 2023 at 18:11	(undefined)	(undefined)	Other				2023	
3	5d4e551071	False	Public Read, Write	18 Apr 2023 at 18:11	(undefined)	useroie	13 Apr 2023 at 18:11	(undefined)	(undefined)	male				2023	
4	7f0d6a6a0c	True	Public Read, Write	13 Apr 2023 at 18:11	(undefined)	123456	13 Apr 2023 at 18:11	(undefined)	(undefined)	Female				2023	
5	2380005040	True	Public Read, Write	11 Apr 2023 at 18:11	(undefined)	testuser2	11 Apr 2023 at 18:11	(undefined)	(undefined)					(undefined)	
6	0d973395d7	True	Public Read, Write	20 Mar 2023 at 18:11	(undefined)	cul1	20 Mar 2023 at 18:11	(undefined)	(undefined)	female				(undefined)	
7	5d4e551071	True	Public Read, Write	18 Apr 2023 at 18:11	(undefined)	testuser3	20 Mar 2023 at 18:11	(undefined)	(undefined)	male				(undefined)	
8	5d4e551071	True	Public Read, Write	18 Apr 2023 at 18:11	(undefined)	useroie	20 Mar 2023 at 18:11	(undefined)	(undefined)	male				(undefined)	
9	7E0407f6b0	True	Public Read, Write	9 Mar 2023 at 18:11	(undefined)	realpauland	9 Mar 2023 at 18:11	(undefined)	(undefined)	male				(undefined)	
10	62408000f4	False	Public Read, Write	8 Mar 2023 at 18:11	(undefined)	pe122	8 Mar 2023 at 18:11	(undefined)	(undefined)	male				(undefined)	
11	57026222d9	False	Public Read, Write	9 Mar 2023 at 18:11	(undefined)	plussomark	9 Mar 2023 at 18:11	(undefined)	(undefined)	female				(undefined)	