SPORTSPOT

Zeid Aldaas, Kyle O'kelley, Jose Gonzalez, Inigo Zulueta, Tyrei Diggs

TABLE OF CONTENTS

INTRODUCTION

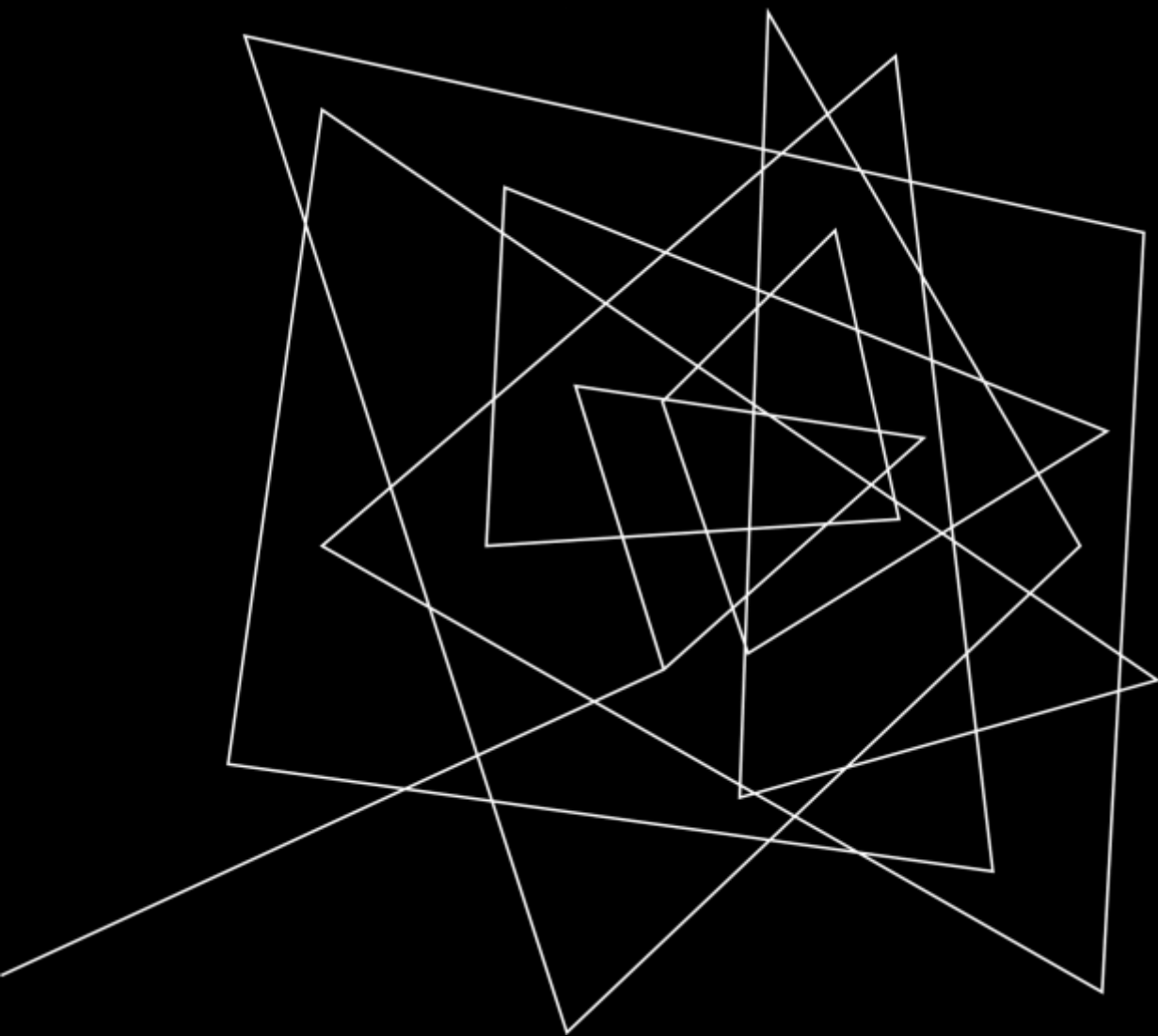SportSpot is an app where you can connect with a community of fellow sports-lovers to play pick up games, plan events, make leagues, and so much more! No more having to search empty parks for people to play with, with SportSpot, you can be sure you'll be able to play the sports you love whenever and wherever you want!

PROBLEM STATEMENT

Many of us love playing sports but just can't find the people to play with. Whether it's a wasted trip to the park in hopes to find others playing basketball, or not having 21 other people on standby to organize a full soccer match, SportSpot seeks to eliminate this common problem.

# OBJECTIVE

When developing SportSpot, our philosophy has been to revolutionize the methods people use to play their favorite sports through solving the problems mentioned. Our aim is to do away with archaic methods to organize sports such as 50-man groupchats or paid leagues by creating a comprehensive network which includes user profiles, event and league posts, and timelines to view it all.

FEATURES

- Register your own user profile
- Create posts advertising your sport event or league establishment
- Have a for-you timeline page with nearby sports posts based on your interests
- View, add, and message other users

USER INTERFACE
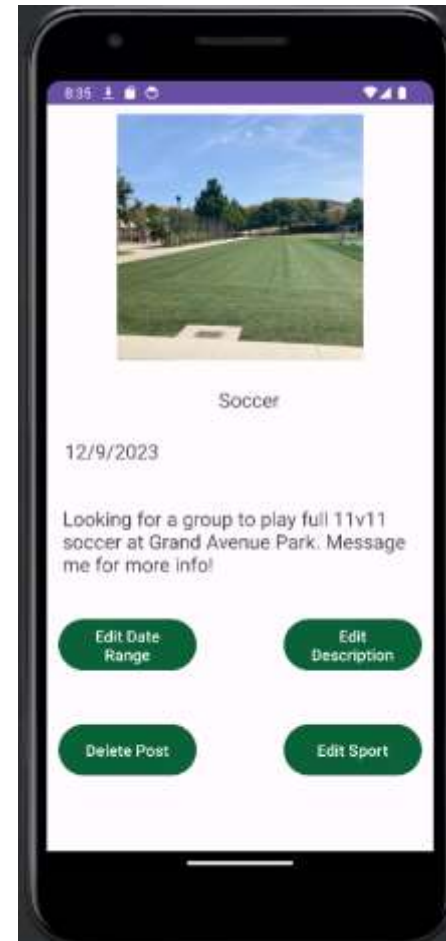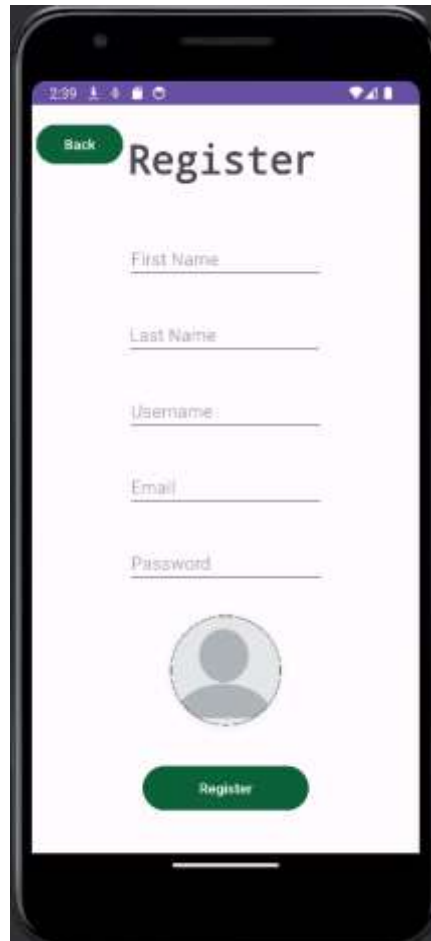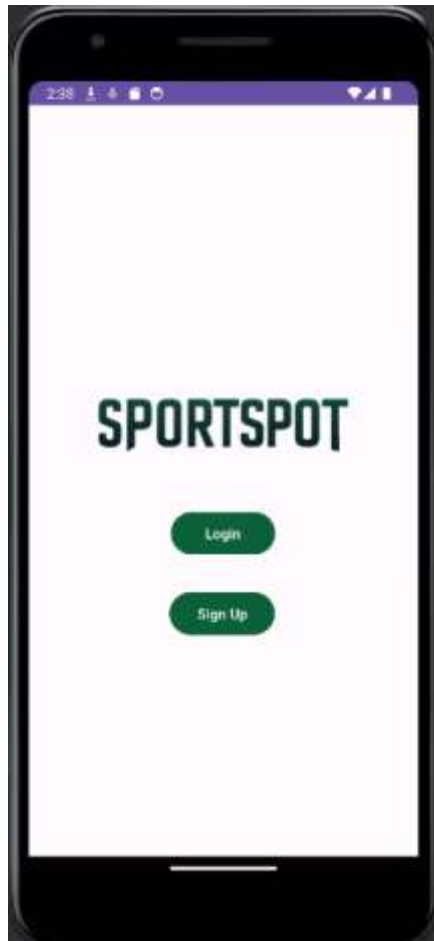
TECH STACK

- **Browser:** Mobile Application

- **Language:** Java

- **Framework:** SCRUM Framework

- **Software:** Android Studio

- **Database & Webserver:** Firebase

- **OS:** Android

PRODUCT BACKLOG

User Story	Story Status	Urgency	Primary Dev
As a user, I want to be able to create an account	.		Inigo, Jose
As a user, I want a timeline page	.		Jose
As a registered user, I want to be able to remove/edit my post	.		Jose
As a registered user, I want a User Profile	.		Kyle
As an administrator, I want to be able to remove posts	.		Jose
As a user I want to be able to view other users profiles	.		Inigo
As a registered user, I want to be able to create posts	.		Jose
As a user, I want an intuitive and robust user interface and experience	.		Zeid, Tyrei
As a user I want a sign in and register page			Kyle, Zeid

SPRINT BACKLOG

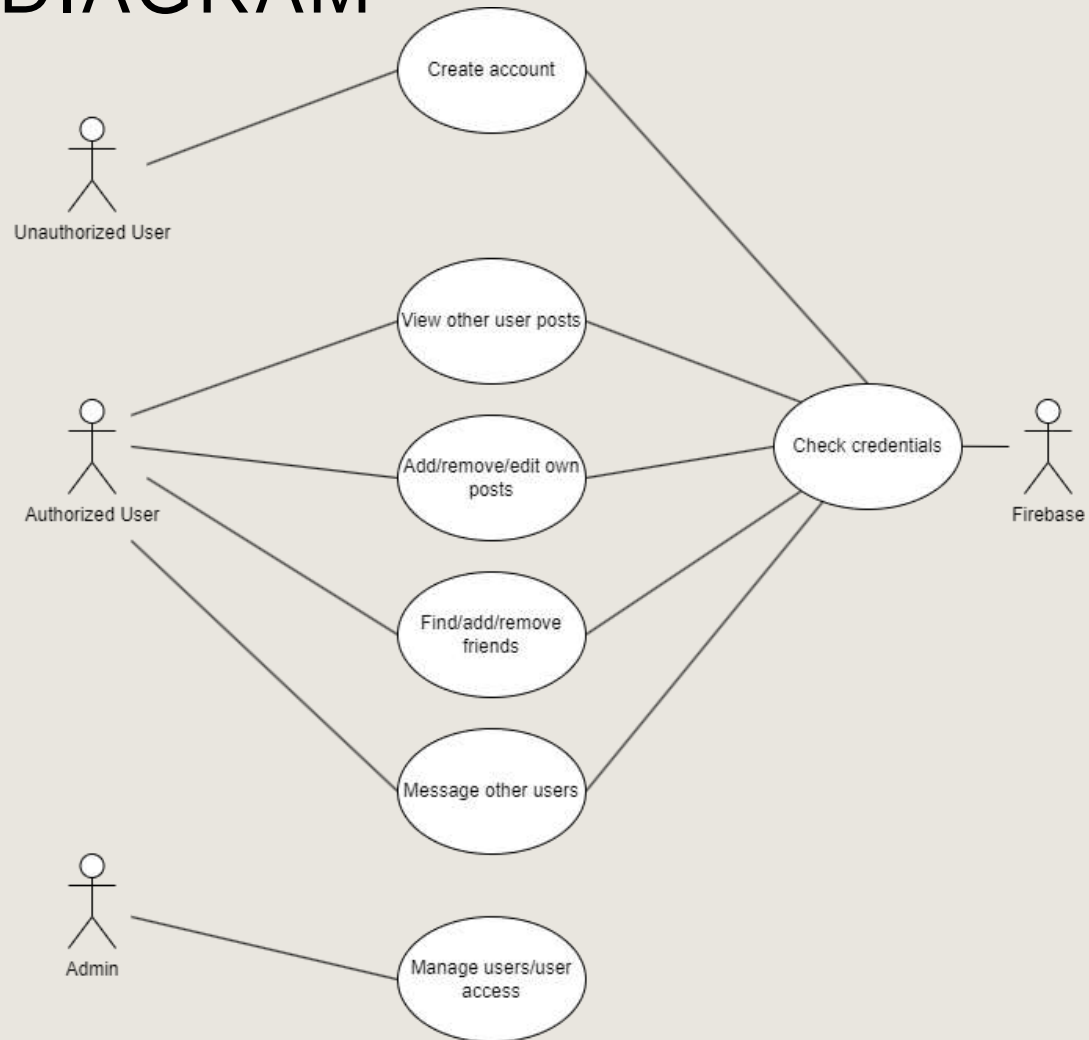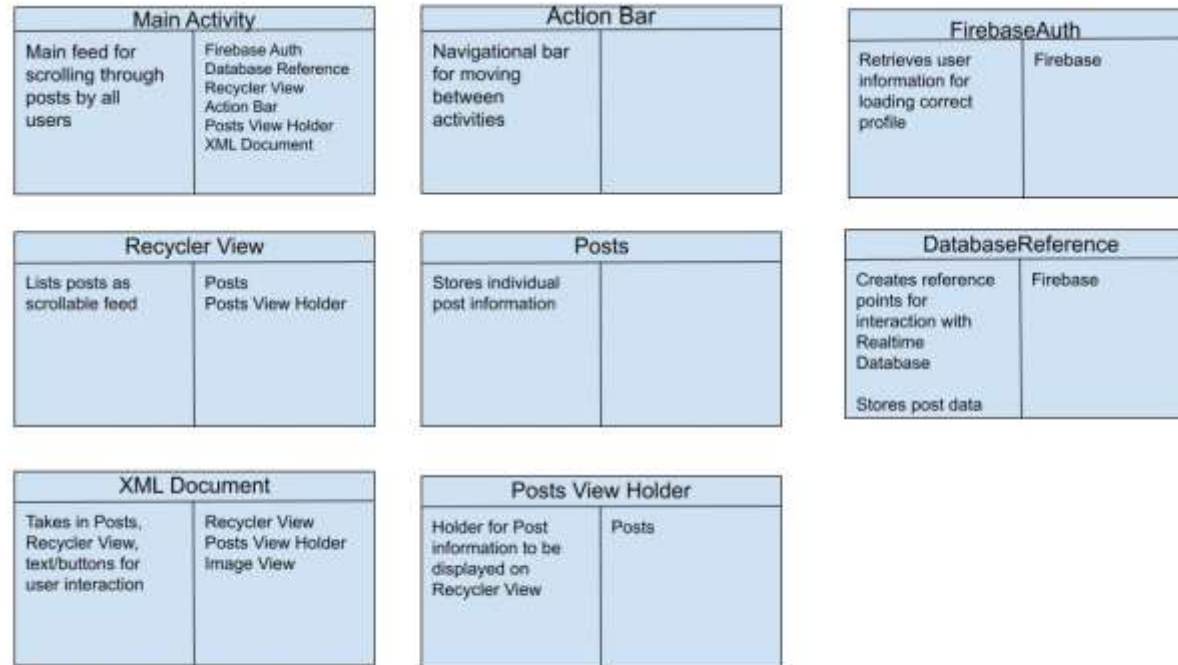| Task	Category	Assigned To	Status	Start Date	End Date
Firebase Account Authentication	User Profile Development	Inigo, Jose	Complete	10/19/2023	11/09/2023
App Sign-In and Register	User Profile Development	Kyle, Zeid	Complete	10/19/2023	11/19/2023
Personal Profile Page	User Profile Development	Kyle	Complete	11/19/2023	11/29/2023
Interaction With Other User Profiles	User Profile Development	Inigo	Complete	11/19/2023	12/3/2023
Post Creation	Fundamental Aspects of Timeline/Posts	Jose	Complete	10/19/2023	11/25/2023
Timeline	Fundamental Aspects of Timeline/Posts	Jose	Complete	10/19/2023	11/25/2023
Post Editing and Removal	Fundamental Aspects of Timeline/Posts	Jose	Complete	11/25/2023	12/3/2023
Product Owner	Development and Management of all Project Aspects and Sprints	Zeid	Complete	9/29/2023	12/4/2023
Scrum Master	Development and Management of all Project Aspects and Sprints	Kyle	Complete	9/29/2023	12/4/2023
Testing/Debugging	Will have access to all project tasks and help in various tasks	Everyone	Complete	11/3/2023	12/3/2023
UX/UI Development	User Experience and Interface Design	Tyrei, Zeid	Complete	10/20/2023	12/4/2023
Presentation Materials	Documentation	Zeid, Kyle, Tyrei	Complete	9/29/2023	12/4/2023

ACTIVITY DIAGRAM
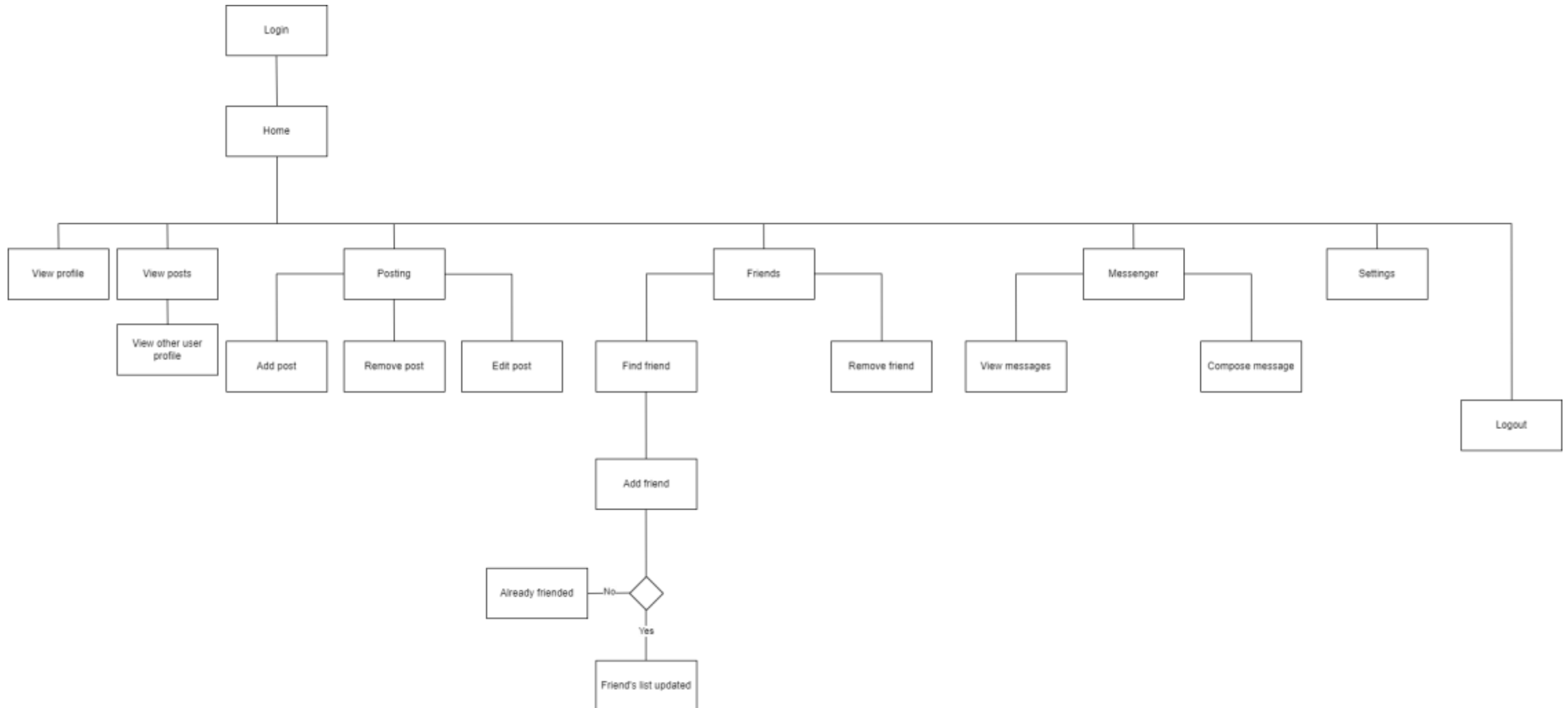
USE CASE DIAGRAM

CRC DIAGRAM

"MAIN ACTIVITY"

Main Activity	
Main feed for scrolling through posts by all users	Firebase Auth Database Reference Recycler View Action Bar Posts View Holder XML Document

Action Bar	
Navigational bar for moving between activities	

FirebaseAuth	
Retrieves user information for loading correct profile	Firebase

Recycler View	
Lists posts as scrollable feed	Posts Posts View Holder

Posts	
Stores individual post information	

DatabaseReference	
Creates reference points for interaction with Realtime Database Stores post data	Firebase

XML Document	
Takes in Posts, Recycler View, text/buttons for user interaction	Recycler View Posts View Holder Image View

Posts View Holder	
Holder for Post information to be displayed on Recycler View	Posts

TEST CASES

Module Name	Registration				
Tester Name	Zeid				
Test Case Description	To check registration functionality of SportSpot app				
Prerequisites	Stable internet connection, SportSpot downloaded				
Environmental Information	Android Mobile Device				
Test Scenario	Checking that user can successfully make an account within the system if they type in a valid email and password				
Test Steps	Test Input	Expected Results	Actual Results	Status	Comments
1. Select Sign Up					
2. Enter First Name	Zeid				
3. Enter Last Name	Aldaas				
4. Enter Username	Zaldaas				
5. Enter Email	zaldaas@csu.fullerton.edu				
6. Enter Password	password				
7. Select Register		Registration Successful	Registration Successful	Pass	No issues found

Module Name	Valid Registration Info Check				
Tester Name	Kyle				
Test Case Description	To check registration validation functionality of SportSpot app				
Prerequisites	Stable internet connection, SportSpot downloaded				
Environmental Information	Android Mobile Device				
Test Scenario	Checking that registration fails if the user types an invalid username, email or password				
Test Steps	Test Input	Expected Results	Actual Results	Status	Comments
1. Select Sign Up					
2. Enter First Name	Kyle				
3. Enter Last Name	O'kelley				
4. Enter Username					
5. Enter Email	kyleiscool.com				
6. Enter Password	password				
7. Select Register		Registration Failed	Registration Failed	Pass	Blank username, invalid email

CHALLENGES FACED: HOW WE OVERCAME THEM

- Initial issues with getting Android Studio, Firebase, and GitHub all synced and figuring out how they work: Looking at online resources and tutorials

- Conceptualization and design of the app: Envisioning the user stories and usages of the app

- Coding and implementation of the app: Delegating our respective strengths to specific roles and tasks to ensure proper implementation and maximum efficiency

SUMMARY – WHAT'S NEXT?

SportSpot presents itself as a revolutionary app which deals with an important unaddressed issue in the everyday lives of sports lovers all across the globe. As our team continues to refine the app to make it even more comprehensive with many more features, we hope that one day when you're looking to play some sports, you will have SportSpot handy in your phone.

THANK YOU