



**An-Najah National University
Faculty of Engineering & Information Technology
Computer Engineering Department**

Laqini

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**A report submitted in partial fulfillment of the
requirements for Bachelor degree in Computer
Engineering - Software Project
January, 2023**

Acknowledgement

Fervent adoration and deification to Allah, The Almighty, to have wrapped me in his boundless benefits and gifts, all of which enabled me to actively work passionately to complete this project to the best of our abilities.

My dear parents (Fatima and Ahmed) and my lovely sisters (Besan and Rawand), thank you very much for all the support that always raised my spirits.

I would like to express the deepest appreciation to Dr.Sufyan Samara, our supervisor and guidance, for his invaluable assistance and patience throughout our project work.

Last but not least, thanks to everyone who had a hand in providing any kind of help, it means a lot to me.

Disclaimer

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Abstract

Communication is a desire that has been hard-wired in humans ever since. Its history can be traced back since the origin of speech circa. In fact, it was an effective survival mechanism for our ancestors, they shared information about food supplies, dangerous animals, and weather patterns. And up till

this day, talking and sharing information make life easier. Even our values were passed on from conversations with our family, community, school and mosques.

Meeting new individuals exposes you to a vast array of fresh perspectives, feelings, attitudes, and viewpoints. You might learn about stuff you had no idea existed. By offering you a fresh perspective, it might extend your horizons and give you a new sense of direction. You might choose to change your career. You can decide to research a novel and interesting topic or learn new things that a recent acquaintance showed you. The probabilities are endless!

However, meeting new people is not that easy for all, this is where our application comes to help.

We seek to build a mobile application that gives the chance to never miss the joy. The app will match you with others that are also free and curious to meet new people.

After logging in the app and completing your profile, you could choose at any time to tell your surroundings that you're looking to meet someone that also wants to do the same activity as you. You could also add a preferable gender, age range. If you both agreed to match, you could use the chatting feature to agree on the meeting details.

Introduction

Mostly individuals prefer to be in a group that shares the same interests, and these days people use social media to search for groups, and the most popular website/application is Facebook.

If you join any group at Facebook for sure you went by one of the posts people ask for a group to discuss a book or a novel by Agatha Christie or it

could be an invitation to join group of people to watch a game for your favorite team at a cafe , or you maybe a new student at university in a new town then you do not have any friends to stay within your free time and you have some interests in sport reading photography travel or writing or anything else, and you need friends have the same interests you have , using Facebook to search for people have the same interests you have it will not work every time, or maybe your post will be lost between all the posts in Facebook, or it will not reach for people you have same interest with .

Research on making friends found friends that have similar interests to a similar degree tend to have healthier friendships. These friends show interest in one another, think alike, share passion, enjoy similar adventures. These friends fight less because they generally agree on how to invest their energy. Life is better in so many ways for friends who share interests.

Although sharing interest is the most important thing to make successful friendship, have less common interest will not destroy your friendship and you will still love your friend and prefer him over your sport partner who loves the same team you support

There are many applications that can help you to find people around you, but Laqini helps you to make new friends with common interest and around you, also you can chat with them to be more comfortable about the time and place where you meet them, it's easy to find activities that interest you, it has an easy-to-use user interface and, if you are interested to make your own event now it's available in our application.

This app has been programmed by react native to run on Android, and a web version is under development for everyone to use for free.

Constraints

In this project, I faced many challenges and difficulties since the beginning of the project. The first problem I faced was that I decided to work on a mobile application, and I do not know anything about this field of development. I decided to implement the application using the react native framework, and then I had to learn more about JavaScript language. Fortunately, i know a little bit about JavaScript before from the web course, and so I was able to overcome any problem, but the real problem started in the backend, I decided to work using the node Js framework, it was a good start and easy to

understand as it uses JavaScript language, the choice was a little bit difficult for the database at first decided to use MongoDB after that decided to go back to MySQL, I learned in the web course.

- Standards/Codes:
 - React-native
 - javascript
 - sql
 - apis

LITERATURE REVIEW

Friendship is by far the most important indicator of happiness. Research is clear: Friendship benefits your health, longevity, and professional success. But it can be super hard to make friends after being socially isolated, shifting to remote work, or moving to a new place.

Surveys show that introverts are more likely to meet new friends when others introduce them. While a group setting may seem scary or intimidating, it could actually be the easiest way to find a new friend group because you

automatically have something to talk about (the hobby you're meeting up to do).

There are many applications about meeting people. I downloaded many of them and tested them but none of them have chat between users after acceptance for both sides, and they are all in English language and none in Arabic, also there is no filtering feature which is in my application map in other applications.

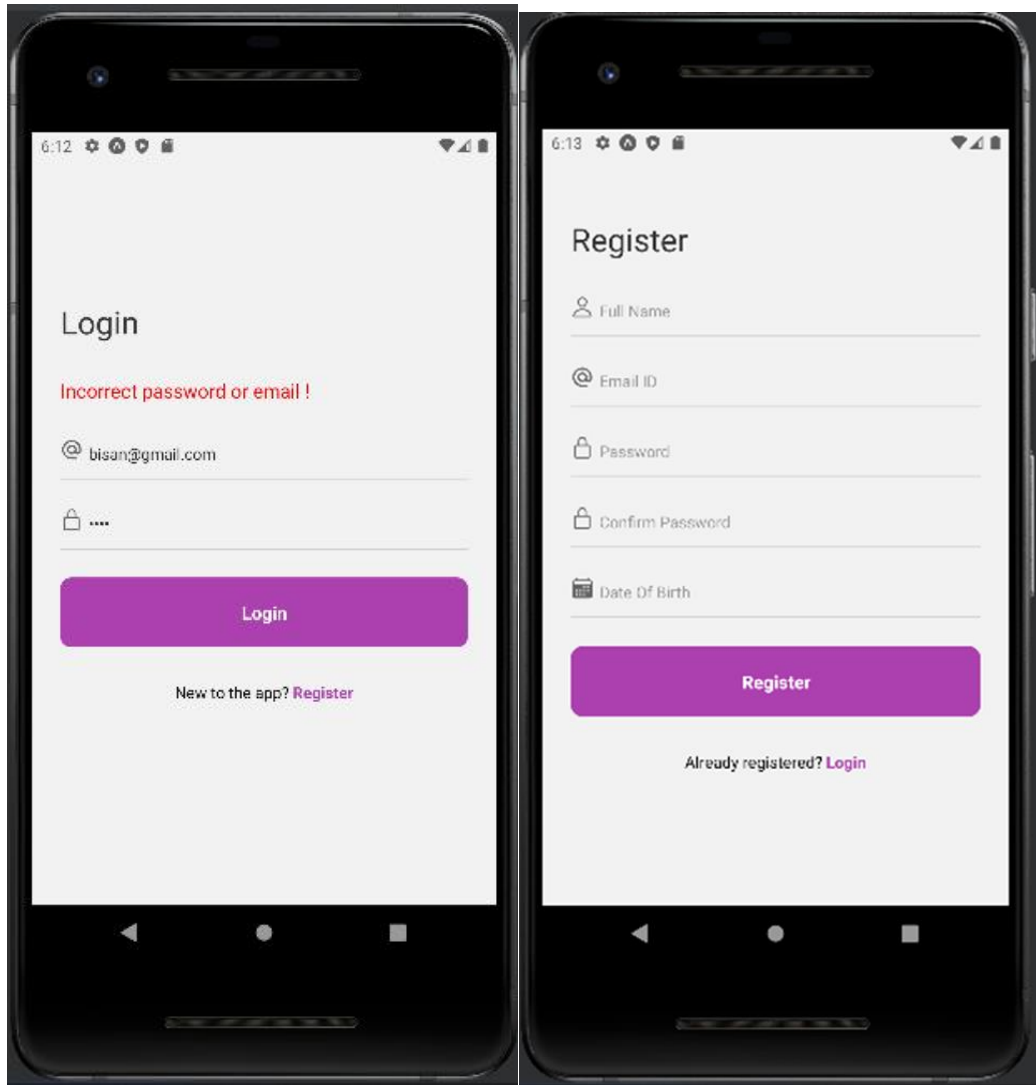
Methodology

In this study I created Laqini, a system that helps users to make friends and join events that brings together like-minded people in social settings like workshops, gatherings, group activities, and beyond. You can find something for just about everyone, even if you feel socially awkward at first.

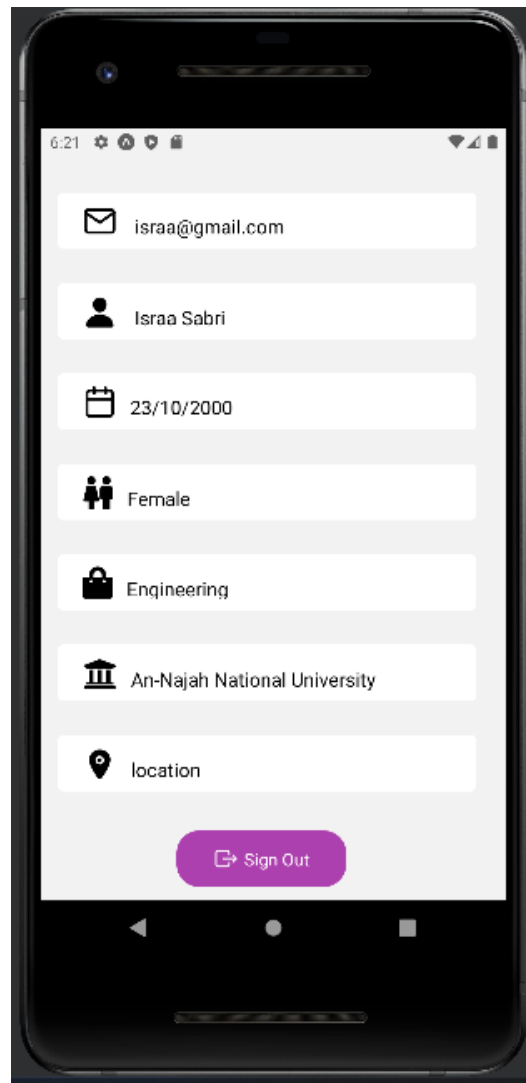
It is goal helps you find people around you with common interests to spend your free time with, or broaden your horizons and make new friends, find group of people with common interest, The purpose of a Common Interest Group is to encourage groups

of individuals to come together in an organic and flexible way around shared intellectual topics or professional concerns. These groups can be created for the purpose of networking, exchange of information, development of new fields of investigation or around other emerging opportunities.

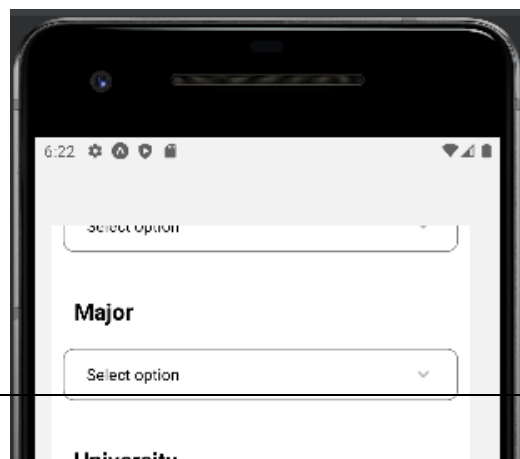
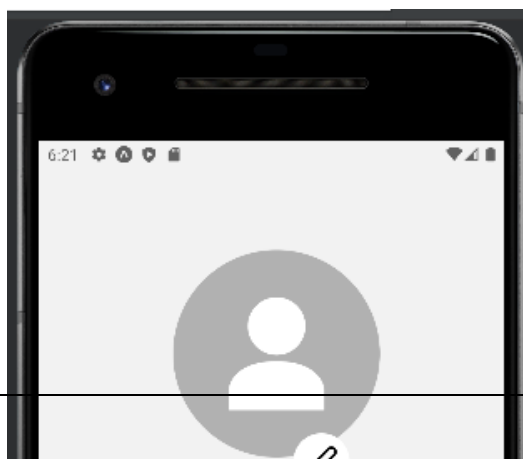
Login Page



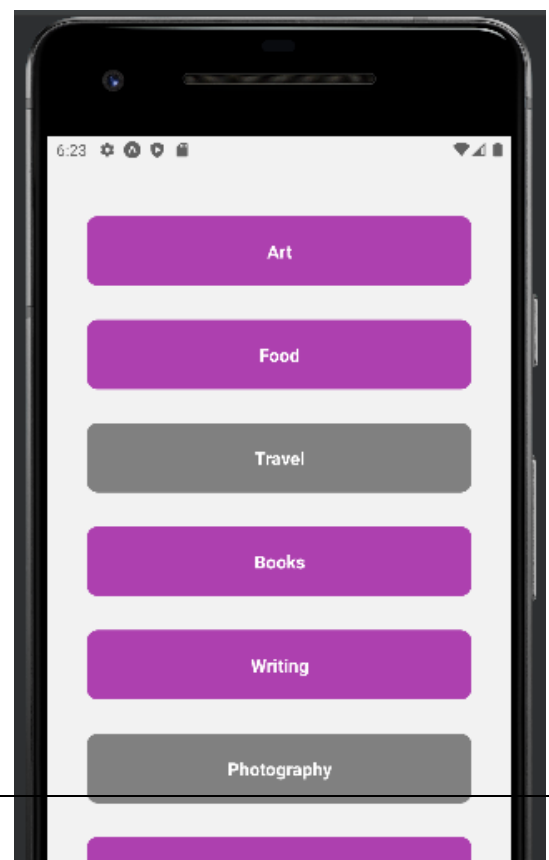
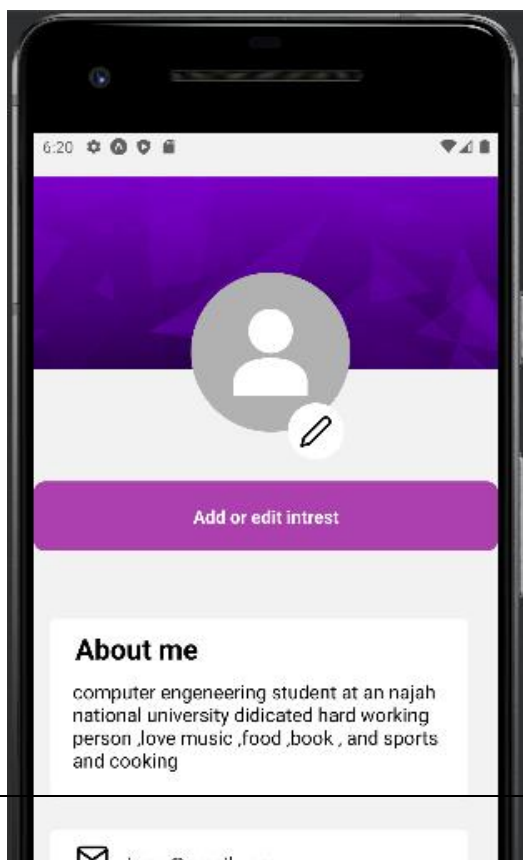
Profile



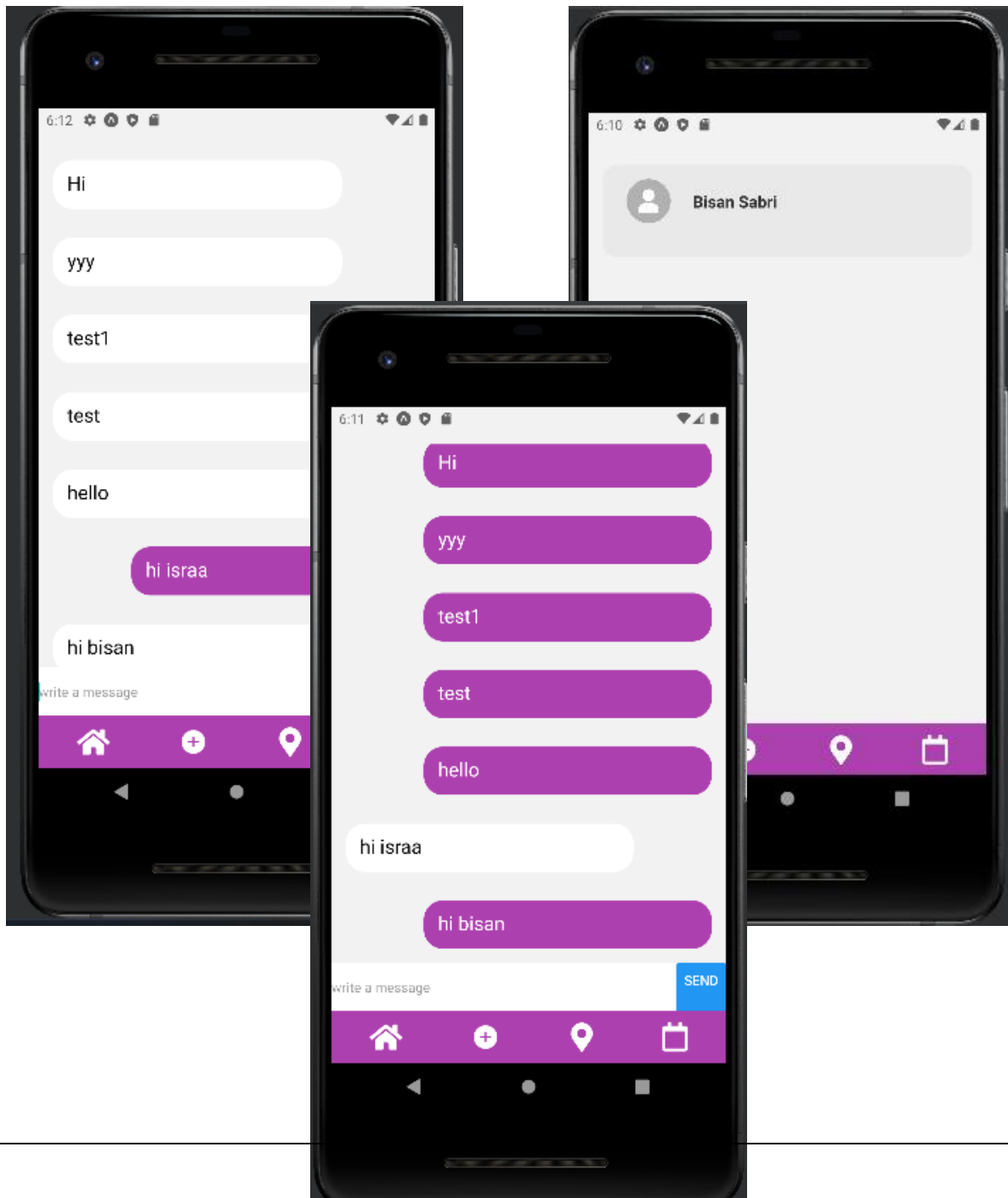
Edit Profile



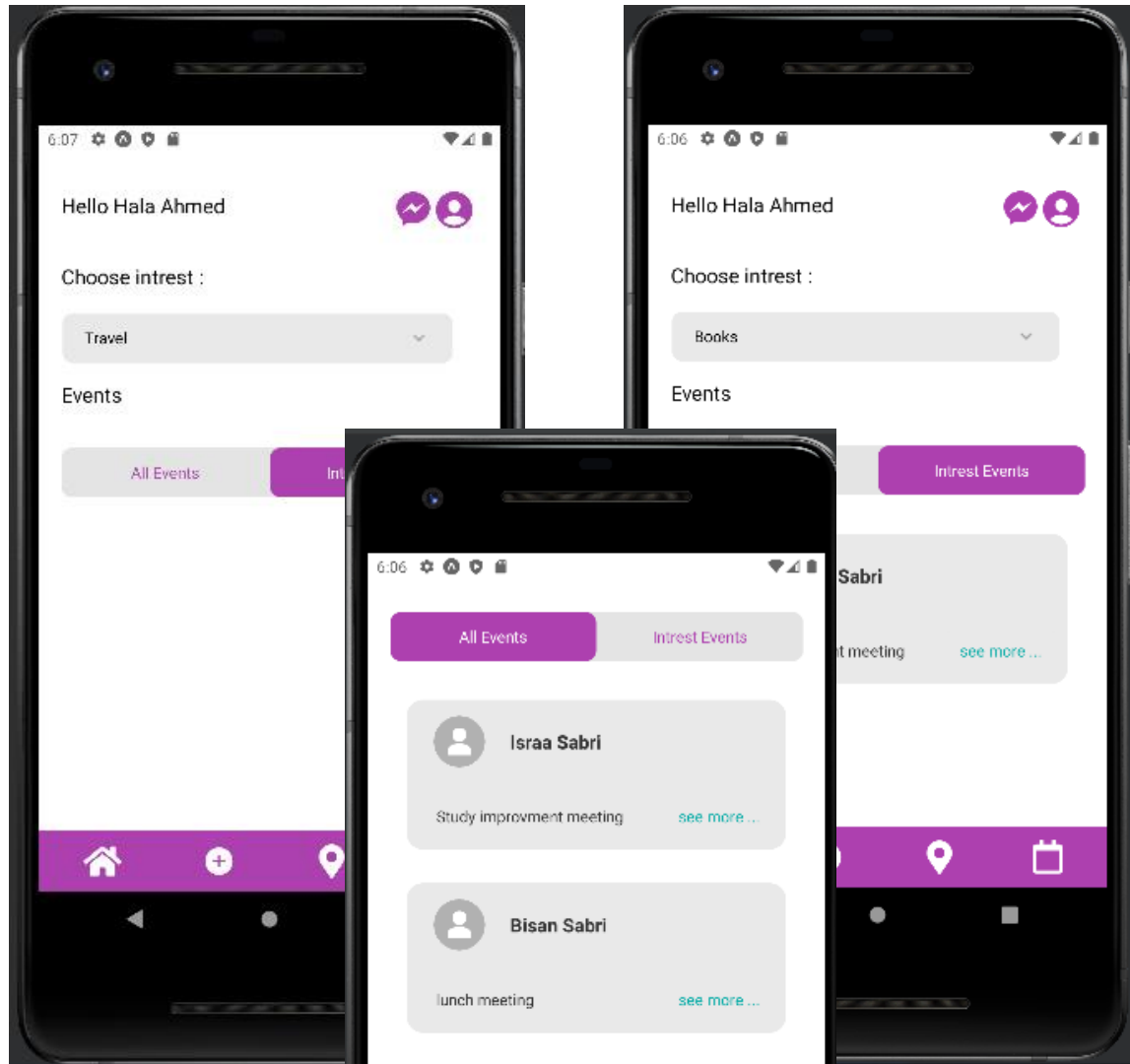
Interests



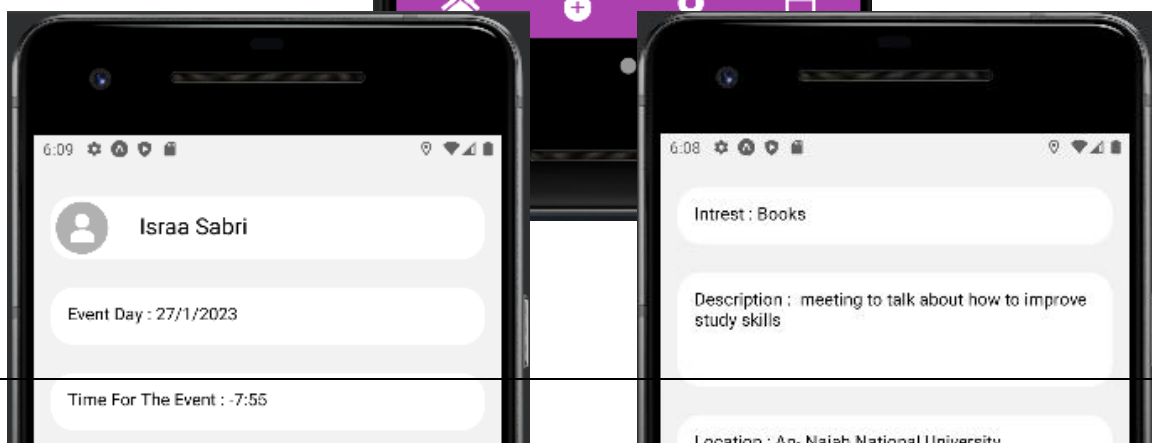
Chat

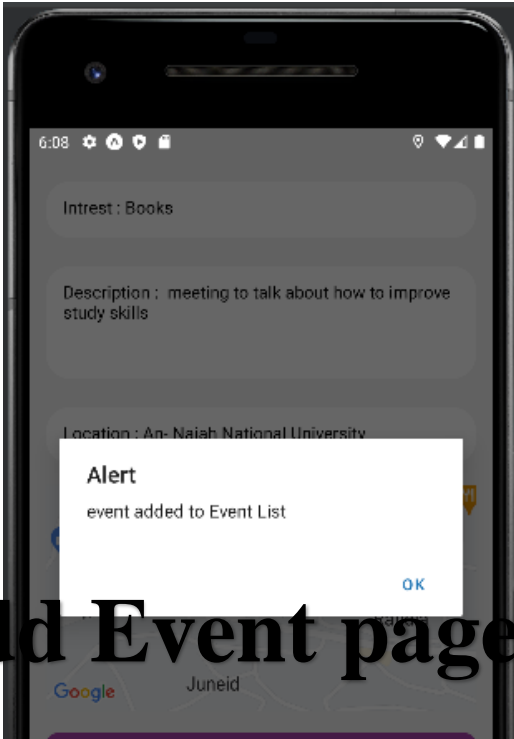


Home page

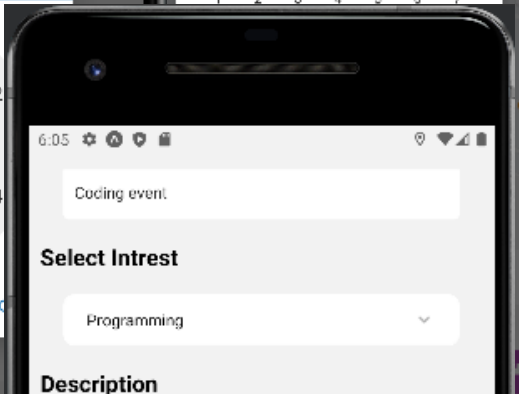
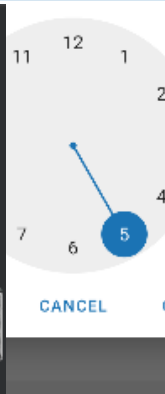
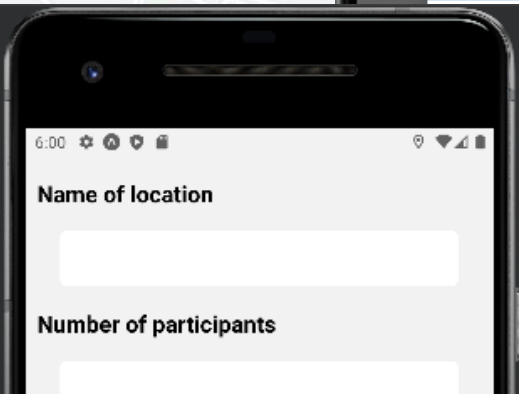
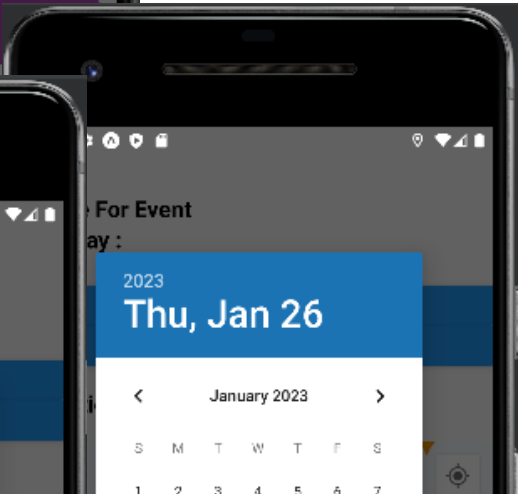
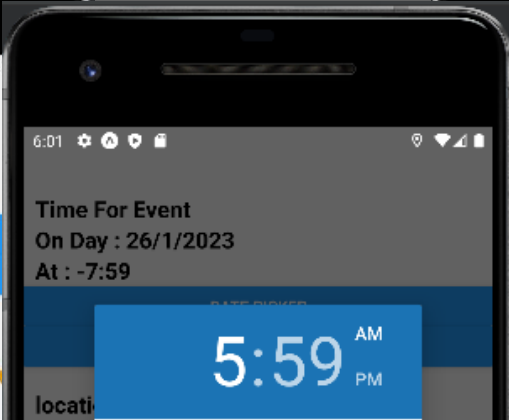
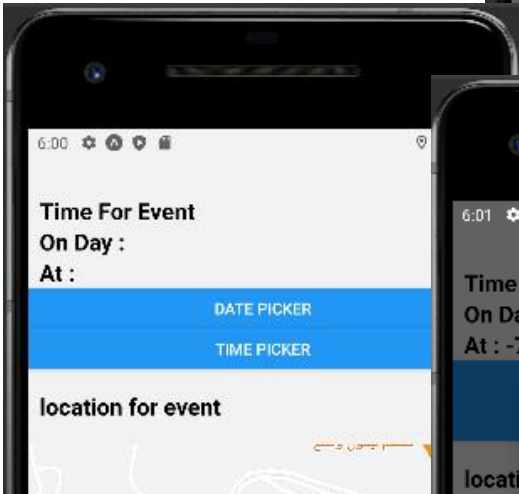


Event Page

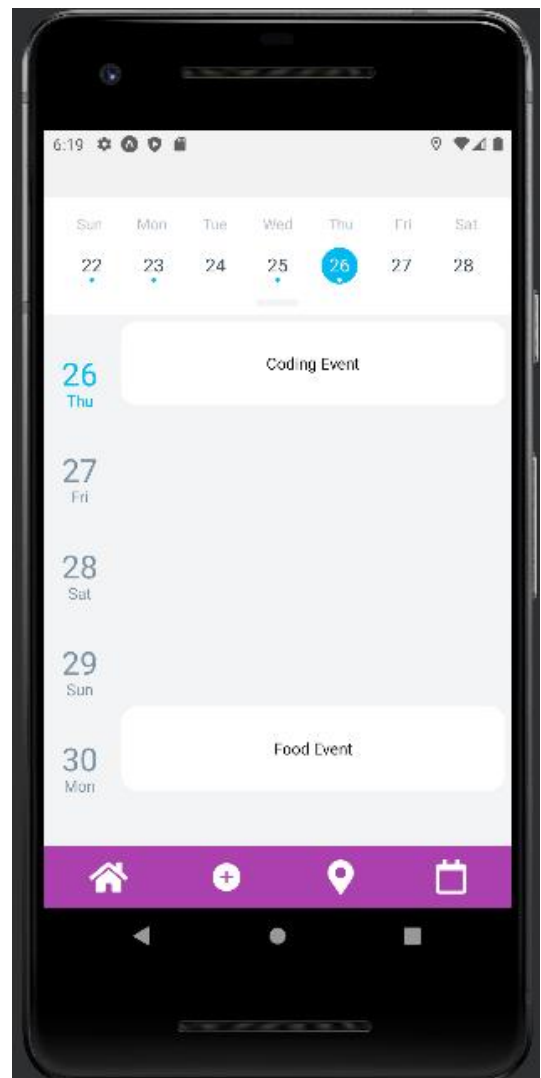




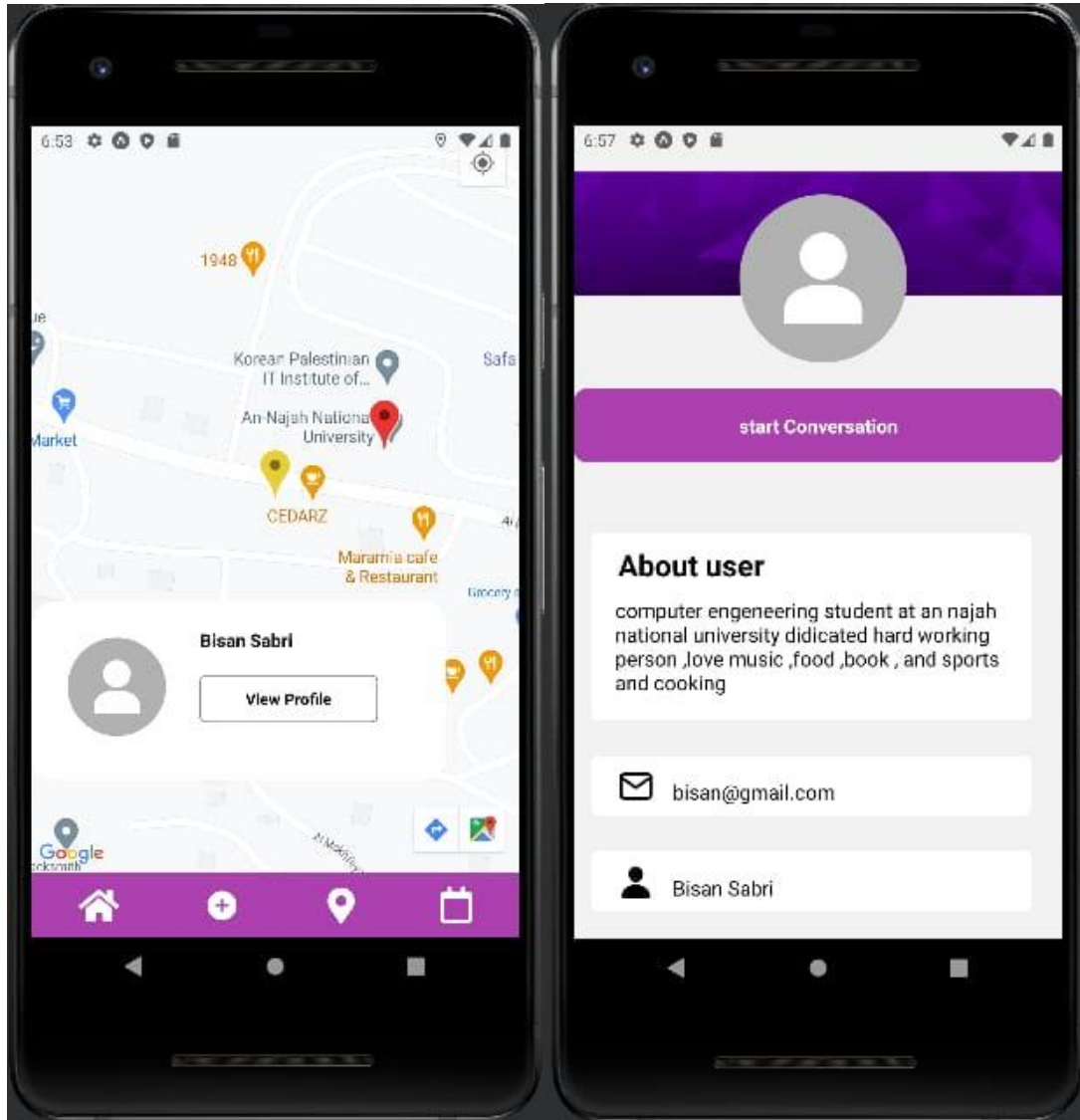
Add Event page



Calendar



Map

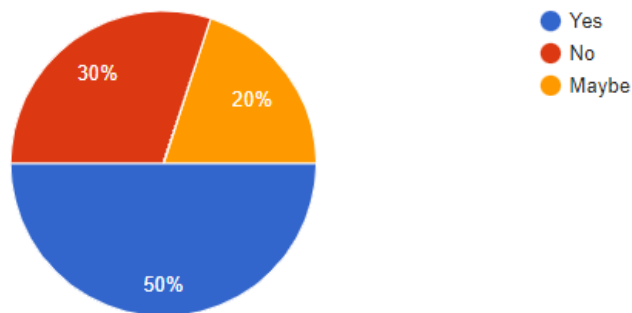


Results and Analysis

I asked people around me, from different college years, some questions to know if they really need this app, and will they use it?

Question No. 1:

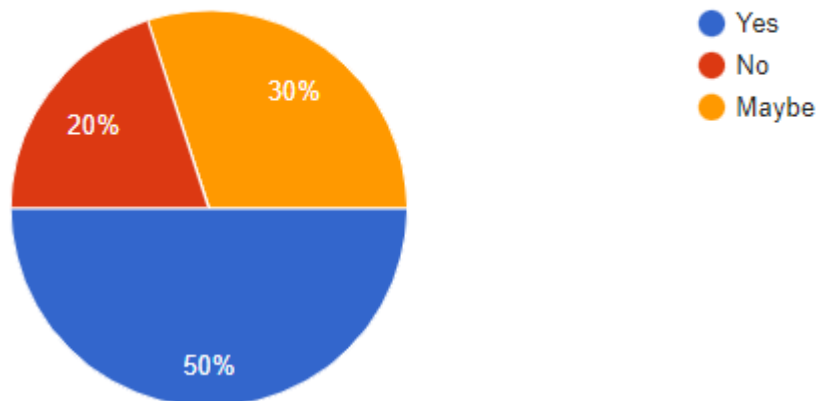
As a college student, do you think you need an application to help you find people with common interests to spend your free time with?



The result showed that half of the participants won't need any application to help them find people.

Question No. 2:

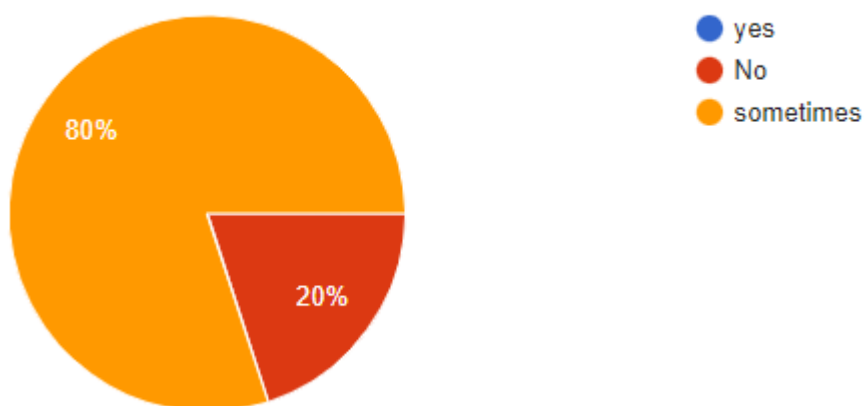
As a college student, do you think you will use this application to find people around you to spend your free time with?



Most of the participants agreed to use the application to find people around and spend time with.

Question No. 3:

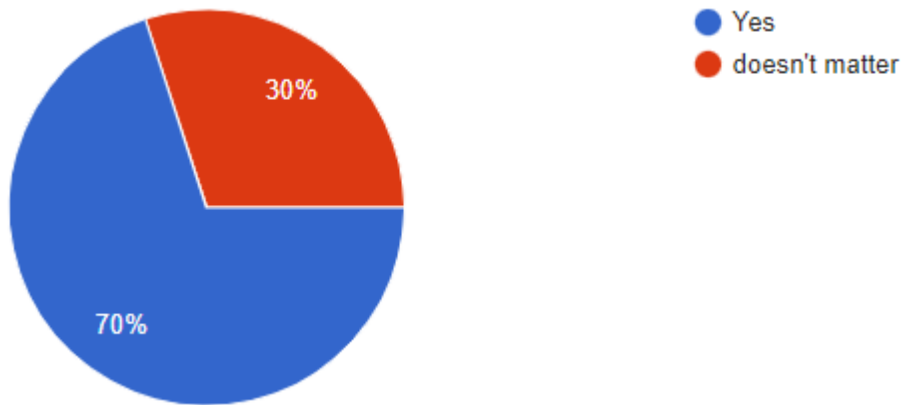
As a college student, do you usually make friends online?



Most participants make friends online

Question No. 4:

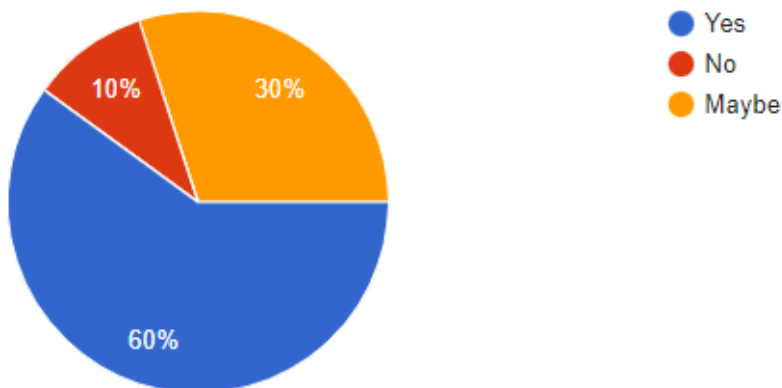
As a college student, do you really search about friends with common interests or it doesn't matter for you ?



Most participants when they look for friends, they look for people who they have interests with.

Question No. 5:

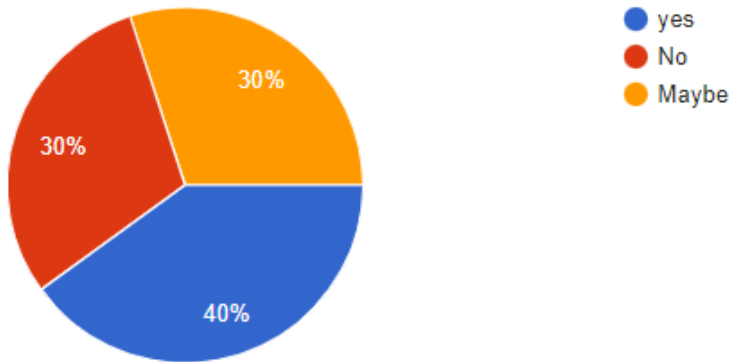
As a college student, would you like to join events about something you are interested in?



Most people may join events if it talks about topics, they are interested in.

Question No. 6:

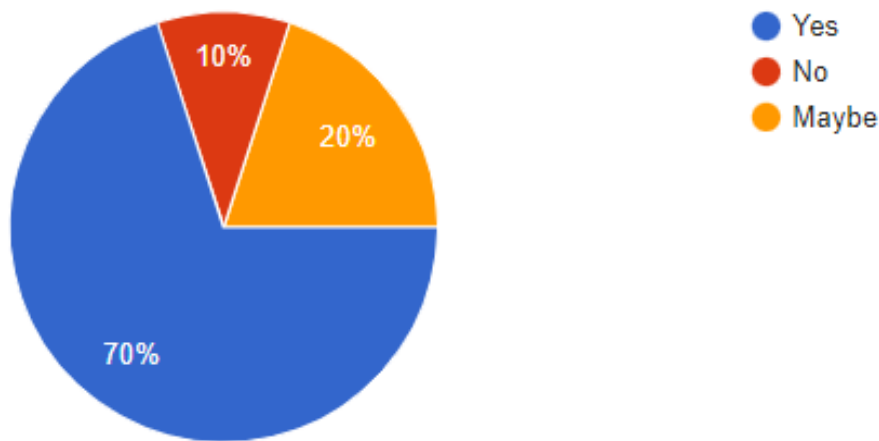
As a college student, would you like to create your own event?



from the result we can say people like to create their own events.

Question No. 7:

As a college student, do you think creating your own event helps you to increase your confidence?



Conclusion And Future

In this paper, I designed a multi-platform self-development application for smartphones using React native language.

In it, I tried to provide everything that helps people find friends and spend their free time with , and find events they can join in their free time with topics they are interested in.

Of course, I hope to develop my application by adding more features that encourage the user to make friends and create their own events.