Project Report

1 INTRODUCTION

1.1 Overview

ChatConnect is a sample project built using the Android Compose UI toolkit. It demonstrates how to create a simple chat app using the Compose libraries. The app allows users to send and receive text messages. The project showcases the use of Compose's declarative UI and state management capabilities. It also includes examples of how to handle input and navigation using composable functions and how to use data from a firebase to populate the UI.

1.2 Purpose

USES OF THE PROJECT….

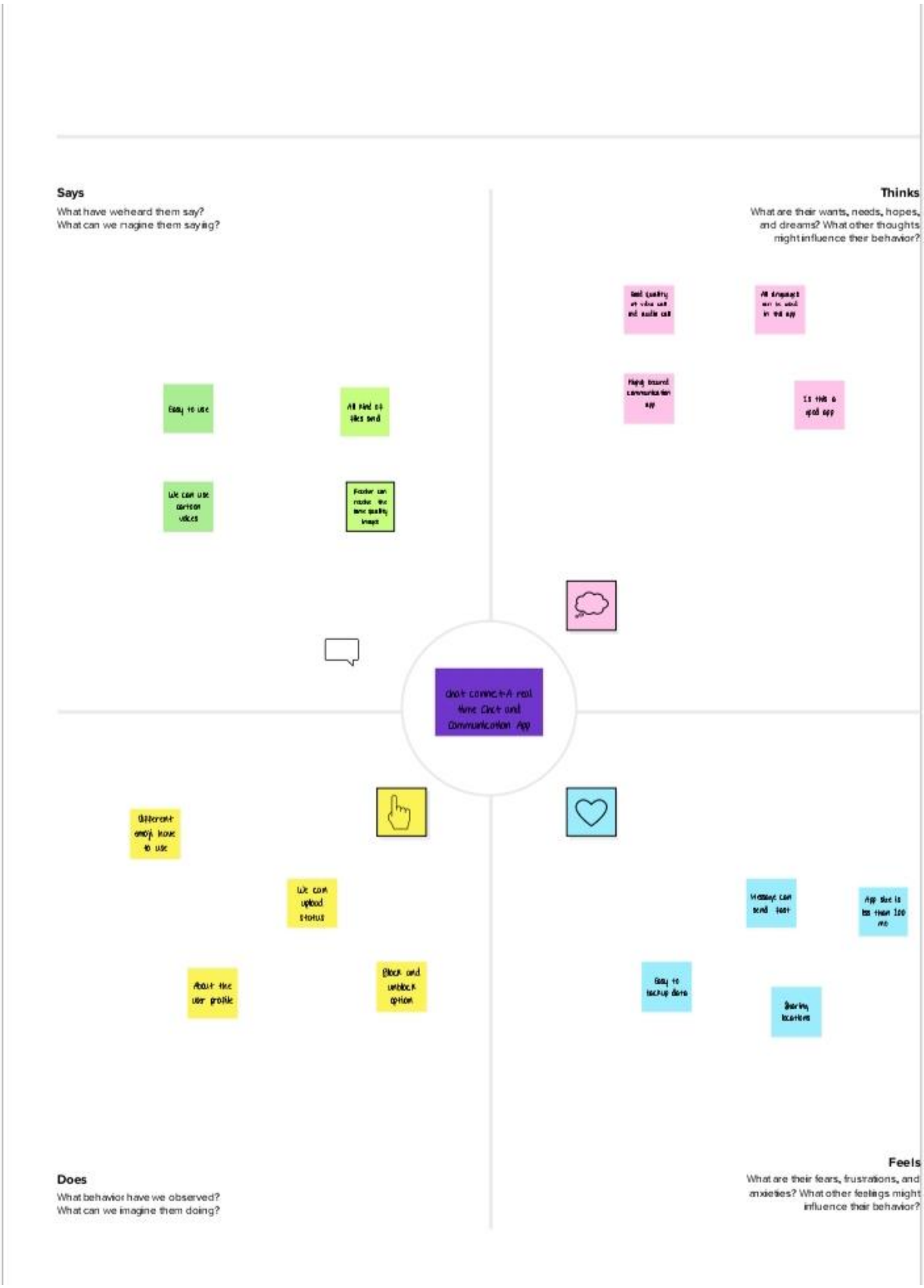
- We can chat with each other using this app.
- Login through email id and password.
- Send information through this app.
- We can send PDF files and pictures using the chat communication app.
- Communicate the unknown people to using this app those who are using this app.
- Highly secured and End to End Description app.
- We can make Audio and Video call using the chat communication App..This feature are enabled in this APPLICATION…

Achievement using chat communication APP

- The main achievement using this application is easily communicate with our Family members from long Distsance..
- Sending our pictures and make video call with our loved people make the great achievement ..
- This brings that the person is very close to us…
- We can share our memories thorugh and happy moments through the chat communication application..this is some of the achievements….

2 Problem Definition &Design Thinking

2.1 Empathy Map


Says
What have we heard them say?
What can we imagine them saying?
Thinks
What are their wants, needs, hopes, and dreams? What other thoughts might influence their behavior?
Easy to use
All kind of files send
We can use cartoon voices
Is this a good app
Chat connect-A real time Chat and Communication App
Different emoji have to use
We can upload status
About the user profile
Block and unblock option
Message can send fast
App size is less than 100 mb
Easy to backup data
Sharing locations
Does
What behavior have we observed?
What can we imagine them doing?
Feels
What are their fears, frustrations, and anxieties? What other feelings might influence their behavior?

2.2 IDEATION & BRAINSTORMING MAP

2

Brainstorm

Write down any ideas that come to mind that address your problem statement.

10 minutes

TIP

You can select a sticky note and hit the pencil [switch to sketch] icon to start drawing!

Ashik M

Rahim R

Darwin D

Antony prightwin J

Person 5

Person 6

Person 7

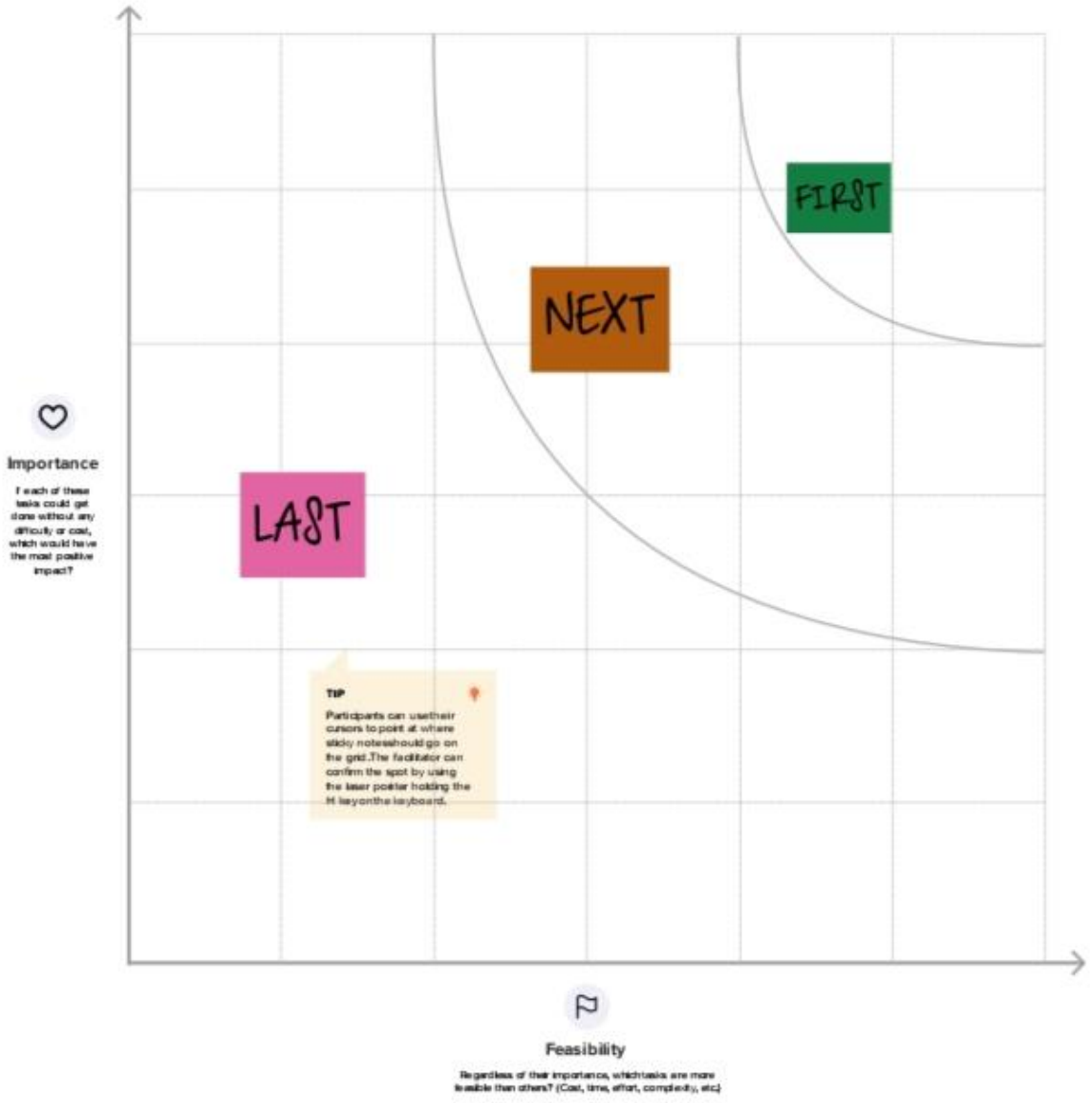
Person 8

4

Prioritize

Your team should all be on the same page about what's important moving forward. Place your ideas on this grid to determine which ideas are important and which are feasible.

20 minutes

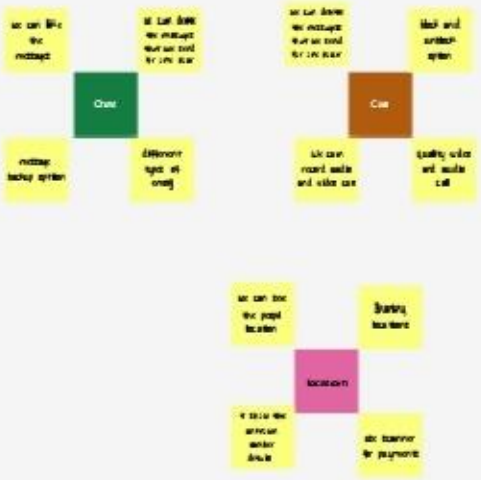


3

Group ideas

Take turns sharing your ideas while clustering similar or related notes as you go. Once all sticky notes have been grouped, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you and break it up into smaller sub-groups.

20 minutes

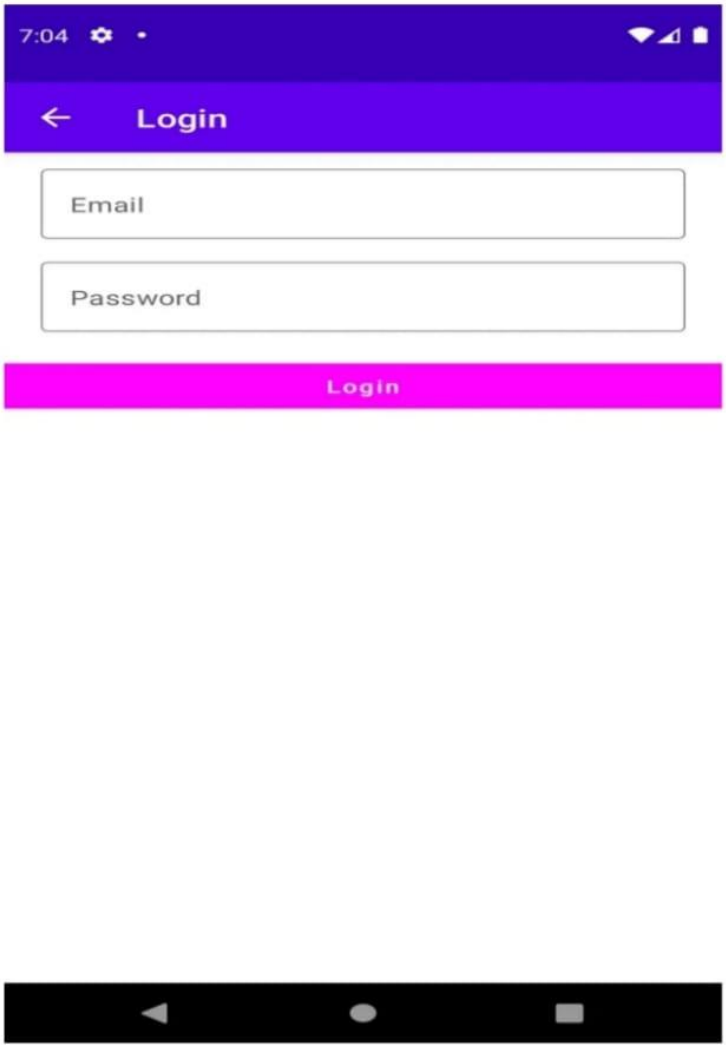


TIP

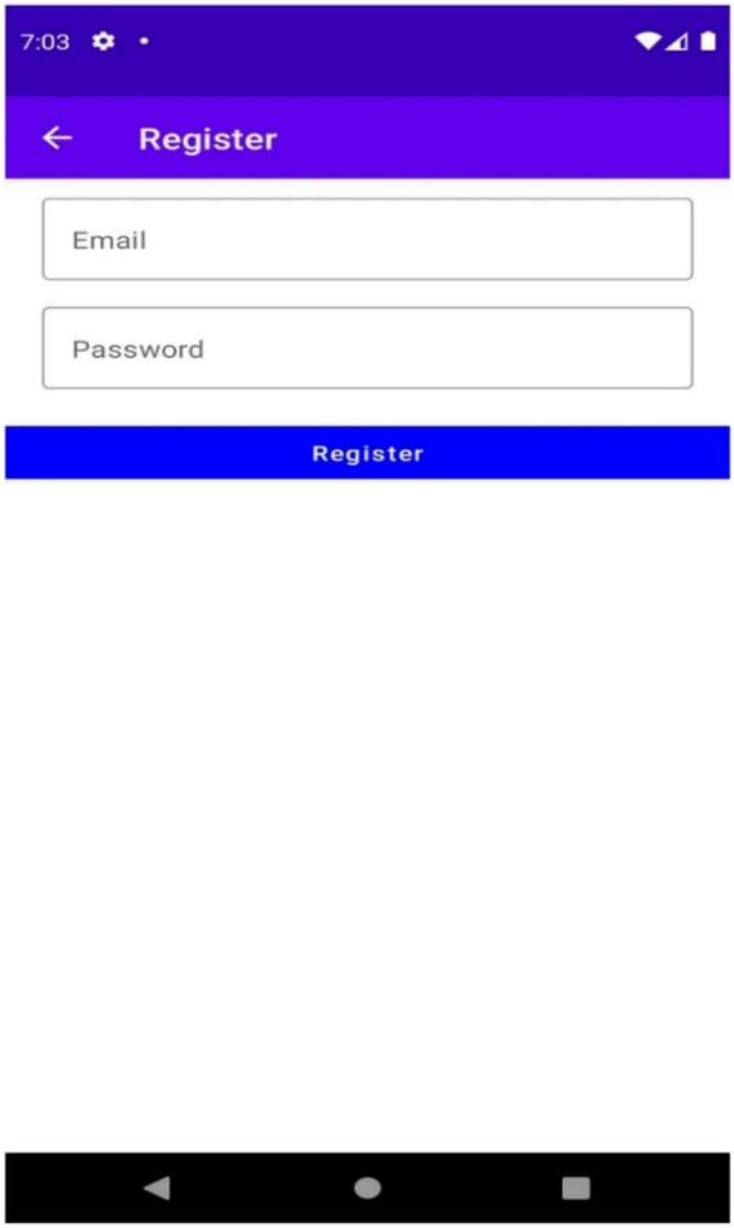
Add customizable tags to sticky notes to make it easier to find, browse, organize, and categorize important ideas as themes within your mural.

3 RESULT…

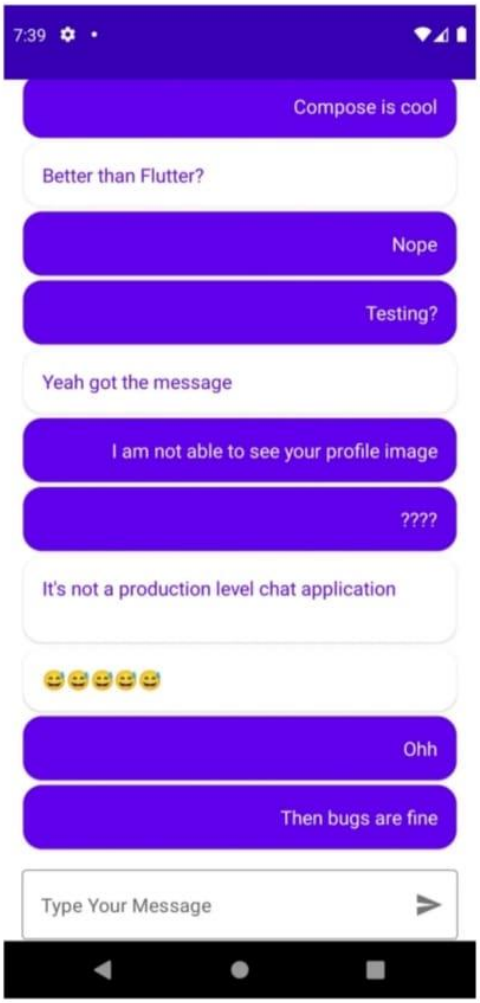
Login Page :



RegisterPage :



Home Screen:


7:39
Compose is cool
Better than Flutter?
Nope
Testing?
Yeah got the message
I am not able to see your profile image
????
It's not a production level chat application
😅😅😅😅😅
Ohh
Then bugs are fine
Type Your Message

4 ADVANTAGES….

- In chat communication application the main advantage is easily connect with people ..and communicate with each other…..
- Make high Quality video call…
- Send pictures ….
- Send our location to our friends to know where Are we..
- Communication between two people is end to end encrypted…
- None can access from outside ..without the knowledge of user…
- User friendly…
- Send PDF files..

This are some of the advantages of this chat communication project….

DISADVANTAGES…..

- Data usage can be high..
- Sending too much of files at a time may cause the application error(HANG)…
- Sending number of files only allowed…
- You can communicate with the people who you may known only..
- Who are in your contact or the email id you have of your friends ..

- Network error may cause the messages can’t deliver at that time,may deliver some time after.

5 APPLICATIONS…..

- This application can be access in the android system.That the application is made for the Android users not for the IPHONE users ..The chat application is very usefull for the android user to communicate with each other and share there informations through this Application..This applications can be access by the android user..who need this application on there mobile

they can download it from the playstore and use the application…..

6 CONCLUTION…

The working and making process of this Application is very usefull for me I got some ideas about how to create an Application using the Android studio…In this project I got some ideas and that ideas where created as Empathy map & Brainstorm map..and uploaded to the github account..that we previously created…then we install the Android studio Application in our system and created new project with the project name Chat communication ,the new project workspace was created with the main

activity codings..then with the help of project manual we the team members read the manual and understood the manual..then we have created the account in the firebase using the id of our team leader it asks some accessing request and we made that to create our firebase account .with the email id of our team leader we successfully created the firebase account..then we came back to the Android application and went to tools=>firebase=>authentication using google=>click connect…the firebase was connected to the Android Studio Application ,again we went to the authentication using google and made connection for the down connection activity

,we click no changes..and made accept .then with the help of project manual the folders that we want to import in the project are given with the help of the manual we created the folder and went to the link that the manual has and copied the code and pasted in the workspace that we created the folder for example NavCompose.kt in this we pasted …The same process that are made in the headings that are homeviewmodel.kt,home.kt,register.kt,login.kt,registerviewmodel.kt,mainactivity.kt and etc….this are the some of the folders and packages that are created in the android studio…and then with the help of emulator we may see the model of our

project and also we can connect it in the android mobile using the USBcable…before that we need to enable developer option in our mobile….then we run the application with the help of the usb cable in the android mobile..then we made to import the necessary packages that are needed in the android application of our project …if we get any doubt about the project our faculty helped to make the project in a better way to create the application and complete the project..with the help and hard work of our team we done this project they worked as equal as.to contribute the project..

This are the works that are made by our team to finish the project and that the

ideas we get to make the project from our team members..this is our simple conclusion about the project…….

7 FUTURE SCOPE…

The futures that are need to update in this application is that made some additional images in the login page and also give various login option in this application we only have the gmail login format so we need to add some additional login process like using contact,facebook .and in the dash board we can give various option about language changing and can make the application in the dark mood and brightmood and we may change the app logo..if the users don’t like it..Developers need to make the additional futures years by years to stay there application in the market..this are some of the future scope need to make…

8 APPENDIX….