

INTRODUCTION

It's the way the 21st century communicates now. Social networking is the grouping of individuals into specific groups, like small rural communities or a neighbourhood subdivision. This project emphasis on gathering people so they can give their point of view on a common interest, The application consist of many categories for the user to register under and view contents of their interest. This app will help the people to share their point of view, information, interest all under one platform and same time they can promote their business if they have one current market suggests that social platform is best to reach your target market. For now social network seems to be the best available platform for the one who wants to promote their business and wants to reach maximum crowd possible. For crying out loud! Social networking site is one of the best for free exposure. As there are lots of ways to get your name out there and most of them are cost effective. It's better to take advantage of Social networking to connect with the artist and recognized person. Android is most utilized portable working framework in world. Android now has more clients, a larger number of telephones and a greater number of tablets worldwide than whatever other versatile working framework. The Google Play app store has been growing at breakneck speed and with almost as many apps as the Apple app store.

The idea of this project came from other famous apps such as youtube, twitter, facebook which bring the users but lack a medium or a platform on which users can discuss on a particular topic and also gain popularity and build business through it. The aim is to combine the use of all the major apps currently being used and enhance the simplicity for the user to make it more user friendly after observing the current giant social network. We did understood that now people are looking for something unique that allows them to communicate with large group of people with the same interest, now social networking has became platform to sell adds due to this actual experience of the user is hampered. Informal communication helps you to reach to potential clients without spending a lot of cash on publicizing. Nearness of your business on mainstream long range interpersonal communication recommends to individuals that your organization and business is on the bleeding edge or if nothing else it can stay aware of the changing circumstances and the prerequisites. Utilizing long range interpersonal communication can be utilized to advance your business, this has many focal points additionally requires some devotion, diligent work, congruity on your part. Social networking helps you to set up a personal connection with your customers.

PROJECT OBJECTIVE AND SCOPE:

- To have attractive and Secure Login page to access
- Make new user account in more user friendly and proper validation of details
- Search People easily on entire network
- Send Friend Request to other users to make friends
- Add friends to your friend box accept request
- Creating a public profile having social, professional and personal information
- Ease of editing of profile anytime
- Chat with Online friends
- Upload and Share Images on network
- Add, Search and shares videos of youtube
- Send messages to other friends
- Reply directly to incoming user messages
- Post Advertisement of products
- Administration page to keep eye on user operation
- Easily password recovery processing

PROBLEM DEFINITION

Problem Statement:

- Iconnect an online social network service by which user can establish a network among the people residing in all over the world. All the information can be easily accessed and shared among the people.
- This system provides users to register their various types of profile like social, personal, general, professional. Send a message, upload the photos so that user can maintain own album & many more.

Need of the System:

This website is developed keeping in mind the above-mentioned problems. The needs and requirements of the end users are also kept in mind while designing this website. This website will enable its users to maintain their friend list and user can update their friend list as well as we want to establish a network among

the people residing in all over the world. All the information can be easily accessed and shared among the people. Thus, Iconnect developed in order to facilitate it users to establish network between one to many persons and maintain all people's profile. It also helps them to save their time and energy when they want to share some kind of information, views, ideas etc. to their group friend's without spending so much time for communicating to each other. Amigos provides social communisms so that people can interact each other even both of them so far away from each other.

BENEFITS TO THE USER

- ❖ Users can establish a network among the people residing in all over the world. All the information can be easily accessed and shared among the people.
- ❖ Makes information retrieval & sharing ideas & thought quicker and easier. User can maintain messages that have been sent to and received from others.
- ❖ Users can send invitation to another friend to join the friend list and also remove the existing ones.
- ❖ Shows Jokes, word of the day, this day in history and lot more which is automatically updated.
- ❖ Reduces the effort and time in gathering the information about the users.
- ❖ Protects the information from unauthorized users by implementing role based security.

PERFORMANCE REQUIREMENT

Only when the requirement specification is properly given, it is possible to design a system. Which will fit into required environment. It rests largely requirement with the users of the existing system to give the requirement specification because they are the people who finally use the system. This because the requirement has to be known during the initial stages so that the system can be designed according to those requirements. It is very difficult to change the system once it has been designed and on the other hand designing a system, which does not cater to the requirements of the user, is of no use.

The requirement specification for any system can be broadly stated as given below:

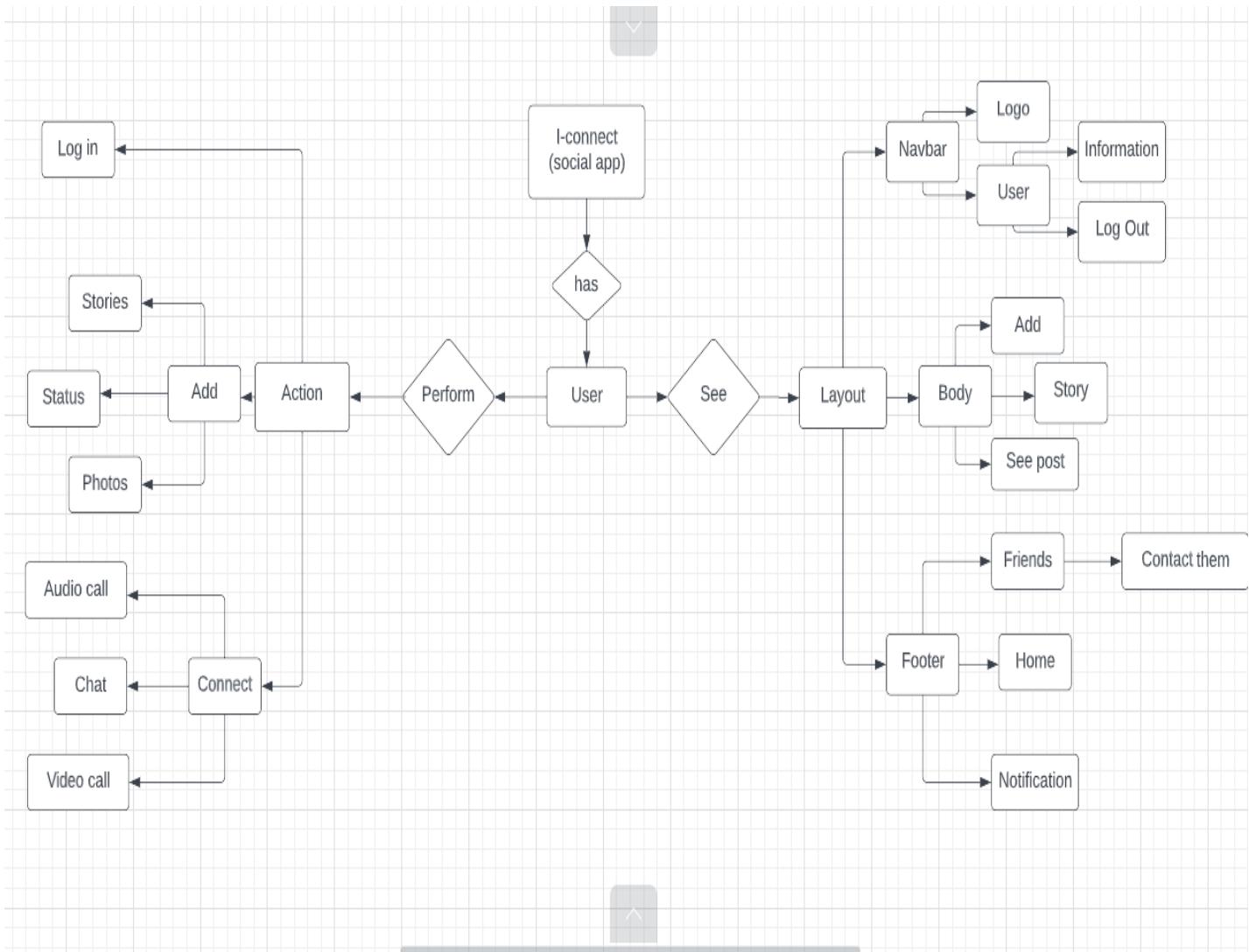
Hardware Requirement:

- ✓ Screen Resolution-1280 *800
- ✓ CPU-2nd gen intel CPU (Sandy Bridge) or newer, AMD CPU with support for windows Hyper vision
- ✓ Memory-4GB or 8 GB RAM (Recommended)
- ✓ Free Storage-8GB

Software Requirements:

- ✓ Operating system-windows 8/8.1/10/11(64 bit)
- ✓ Android Studio with SDK
- ✓ Emulator
- ✓ Java

ER diagram of Iconnect



Activity_splash.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@color/white"
    tools:context=".SplashActivity">

    <ImageView
        android:id="@+id/imageView2"
        android:layout_width="320dp"
        android:layout_height="89dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.407"
        app:srcCompat="@drawable/logo" />

    <TextView
        android:id="@+id/textView4"
        android:layout_width="120dp"
        android:layout_height="wrap_content"
        android:fontFamily="@font/poppins_light"
        android:gravity="center"

        android:text="from"
        android:textColor="@color/black"
        android:textSize="22sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/imageView2"
        app:layout_constraintVertical_bias="0.801" />

    <TextView
```

```
    android:id="@+id/textView6"
    android:layout_width="268dp"
    android:layout_height="wrap_content"
    android:fontFamily="cursive"
    android:gravity="center"
    android:text="Shishir Bhusal"
    android:textColor="@color/pink"
    android:textSize="40sp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.503"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView4"
    app:layout_constraintVertical_bias="0.0" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

Activity_signin.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@color/app"
    tools:context=".SignInActivity">

    <ImageView
        android:id="@+id/imageView4"
        android:layout_width="0dp"
        android:layout_height="239dp"
        app:layout_constraintBottom_toTopOf="@+id/textView3"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.5"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:srcCompat="@drawable/connection" />

    <TextView
```

```
    android:id="@+id/textView3"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="7dp"
    android:text="Sign In"
    android:textColor="@color/pink"
    android:textSize="24sp"
    app:layout_constraintBottom_toTopOf="@+id/textInputLayout5"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.5"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/imageView4" />
```

```
<TextView
    android:id="@+id/textView2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:gravity="center"
    android:text="Already have an account?"
    android:textColor="@color/black"
    android:textSize="16sp"
    app:layout_constraintBottom_toBottomOf="@+id/GoLogIn"
    app:layout_constraintEnd_toStartOf="@+id/GoLogIn"
    app:layout_constraintHorizontal_chainStyle="packed"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="@+id/GoLogIn" />
```

```
<TextView
    android:id="@+id/GoLogIn"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="8dp"
    android:text="Log In"
    android:textColor="@color/pink"
    android:textSize="16sp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toEndOf="@+id/textView2"
    app:layout_constraintTop_toBottomOf="@+id/textView3" />
```

```
<com.google.android.material.textfield.TextInputLayout
    android:id="@+id/textInputLayout5"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginStart="20dp"
    android:layout_marginTop="52dp"
```

```
        android:layout_marginEnd="20dp"
        android:background="@drawable/edittext_background"
        android:hint="Name"
        android:paddingTop="5dp"
        android:paddingBottom="15dp"
        android:textColorHint="#88888888"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/textView3">>

<com.google.android.material.textfield.TextInputEditText
    android:id="@+id/name"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@android:color/transparent"
    android:paddingStart="10dp"
    android:textColor="@color/gray" />
</com.google.android.material.textfield.TextInputLayout>

<com.google.android.material.textfield.TextInputLayout
    android:id="@+id/textInputLayout7"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginTop="12dp"
    android:background="@drawable/edittext_background"
    android:hint="Email"
    android:paddingTop="5dp"
    android:paddingBottom="15dp"
    android:textColorHint="#88888888"
    app:layout_constraintEnd_toEndOf="@+id/textInputLayout6"
    app:layout_constraintStart_toStartOf="@+id/textInputLayout6"
    app:layout_constraintTop_toBottomOf="@+id/textInputLayout6">

<com.google.android.material.textfield.TextInputEditText
    android:id="@+id/email"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@android:color/transparent"
    android:paddingStart="10dp"
    android:textColor="@color/gray" />
</com.google.android.material.textfield.TextInputLayout>

<com.google.android.material.textfield.TextInputLayout
    android:id="@+id/textInputLayout6"
```

```
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:layout_marginTop="12dp"
        android:background="@drawable/edittext_background"
        android:hint="Profession"
        android:paddingTop="5dp"
        android:paddingBottom="15dp"
        android:textColorHint="#88888888"
        app:layout_constraintEnd_toEndOf="@+id/textInputLayout5"
        app:layout_constraintStart_toStartOf="@+id/textInputLayout5"
        app:layout_constraintTop_toBottomOf="@+id/textInputLayout5">>

<com.google.android.material.textfield.TextInputEditText
    android:id="@+id/profession"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:background="@android:color/transparent"
    android:paddingStart="10dp"
    android:textColor="@color/gray" />
</com.google.android.material.textfield.TextInputLayout>

<com.google.android.material.textfield.TextInputLayout
    android:id="@+id/textInputLayout8"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginTop="12dp"
    android:background="@drawable/edittext_background"
    android:hint="Password"
    android:paddingTop="5dp"
    android:paddingBottom="15dp"
    android:textColorHint="#88888888"
    app:layout_constraintEnd_toEndOf="@+id/textInputLayout7"
    app:layout_constraintStart_toStartOf="@+id/textInputLayout7"
    app:layout_constraintTop_toBottomOf="@+id/textInputLayout7">>

<com.google.android.material.textfield.TextInputEditText
    android:id="@+id/password"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:background="@android:color/transparent"
    android:paddingStart="10dp"
    android:textColor="@color/gray" />
</com.google.android.material.textfield.TextInputLayout>
```

```
<Button  
    android:id="@+id/signin"  
    android:layout_width="match_parent"  
    android:layout_height="63dp"  
    android:layout_marginStart="40dp"  
    android:layout_marginEnd="40dp"  
    android:background="@drawable/shade_for_story"  
    android:text="Sign In"  
    android:textSize="20sp"  
    app:layout_constraintBottom_toBottomOf="parent"  
    app:layout_constraintEnd_toEndOf="@+id/textInputLayout8"  
    app:layout_constraintStart_toStartOf="@+id/textInputLayout8"  
    app:layout_constraintTop_toBottomOf="@+id/textInputLayout8" />  
</androidx.constraintlayout.widget.ConstraintLayout>
```

Activity login.xml

```
<?xml version="1.0" encoding="utf-8"?>  
<androidx.constraintlayout.widget.ConstraintLayout  
    xmlns:android="http://schemas.android.com/apk/res/android"  
    xmlns:app="http://schemas.android.com/apk/res-auto"  
    xmlns:tools="http://schemas.android.com/tools"  
    android:layout_width="match_parent"  
    android:layout_height="match_parent"  
    android:background="@color/app"  
    tools:context=".LogInActivity">
```

```
<ImageView  
    android:id="@+id/imageView4"  
    android:layout_width="0dp"  
    android:layout_height="239dp"  
    app:layout_constraintBottom_toTopOf="@+id/textView3"  
    app:layout_constraintEnd_toEndOf="parent"  
    app:layout_constraintHorizontal_bias="0.5"  
    app:layout_constraintStart_toStartOf="parent"  
    app:layout_constraintTop_toTopOf="parent"  
    app:layout_constraintVertical_chainStyle="packed"  
    app:srcCompat="@drawable/connection" />
```

```
<TextView  
    android:id="@+id/textView2"
```

```
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:gravity="center"
    android:text="Don't have an account?"
    android:textColor="@color/black"
    android:textSize="16sp"
    app:layout_constraintBottom_toBottomOf="@+id/GoSignIn"
    app:layout_constraintEnd_toStartOf="@+id/GoSignIn"
    app:layout_constraintHorizontal_chainStyle="packed"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="@+id/GoSignIn" />
```

```
<TextView
    android:id="@+id/GoSignIn"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="8dp"
    android:text="Sign In"
    android:textColor="@color/pink"
    android:textSize="16sp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toEndOf="@+id/textView2"
    app:layout_constraintTop_toBottomOf="@+id/textView3" />
```

```
<TextView
    android:id="@+id/textView3"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="7dp"
    android:text="Log in"
    android:textColor="@color/pink"
    android:textSize="24sp"
    app:layout_constraintBottom_toTopOf="@+id/textInputLayout5"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.5"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/imageView4" />
```

```
<Button
    android:id="@+id/login"
    android:layout_width="match_parent"
    android:layout_height="63dp"
    android:layout_marginTop="30dp"
    android:layout_marginEnd="40dp"
    android:layout_marginStart="40dp"
```

```
        android:background="@drawable/shade_for_story"
        android:text="Log In"
        android:textSize="20sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="@+id/textInputLayout6"
        app:layout_constraintStart_toStartOf="@+id/textInputLayout6"
        app:layout_constraintTop_toBottomOf="@+id/textInputLayout6" />

<com.google.android.material.textfield.TextInputLayout
    android:id="@+id/textInputLayout5"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginStart="20dp"
    android:layout_marginTop="52dp"
    android:layout_marginEnd="20dp"
    android:background="@drawable/edittext_background"
    android:hint="Email"
    android:paddingTop="5dp"
    android:paddingBottom="15dp"
    android:gravity="center"
    android:textColorHint="#88888888"
    app:layout_constraintBottom_toTopOf="@+id/textInputLayout6"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView3">

<com.google.android.material.textfield.TextInputEditText
    android:id="@+id/email"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@android:color/transparent"
    android:inputType="textEmailAddress"
    android:paddingStart="10dp"
    android:textColor="@color/gray" />
</com.google.android.material.textfield.TextInputLayout>

<com.google.android.material.textfield.TextInputLayout
    android:id="@+id/textInputLayout6"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginTop="20dp"
    android:gravity="center"
    android:background="@drawable/edittext_background"
    android:hint="Password"
    android:paddingTop="5dp"
```

```
        android:paddingBottom="15dp"
        android:textColorHint="#88888888"
        app:layout_constraintBottom_toTopOf="@+id/login"
        app:layout_constraintEnd_toEndOf="@+id/textInputLayout5"
        app:layout_constraintStart_toStartOf="@+id/textInputLayout5"
        app:layout_constraintTop_toBottomOf="@+id/textInputLayout5">

    <com.google.android.material.textfield.TextInputEditText
        android:id="@+id/password"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:background="@android:color/transparent"
        android:paddingStart="10dp"
        android:textColor="@color/gray" />
    </com.google.android.material.textfield.TextInputLayout>
</androidx.constraintlayout.widget.ConstraintLayout>
```

Activity_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@color/app"
    tools:context=".MainActivity">

    <FrameLayout
        android:id="@+id/frameContainer"
        android:layout_width="0dp"
        android:layout_height="0dp"
        app:layout_constraintBottom_toTopOf="@+id/readableBottomBar"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <com.iammert.library.readablebottombar.ReadableBottomBar
        android:id="@+id/readableBottomBar"
        android:layout_width="0dp"
```

```
        android:layout_height="68dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:rbb_activeItemType="text"
        app:rbb_backgroundColor="@color/pink"
        app:rbb_indicatorColor="@color/white"
        app:rbb_indicatorHeight="2dp"
        app:rbb_tabs="@xml/tabs"
        app:rbb_textColor="@color/white">

    </com.iammert.library.readablebottombar.ReadableBottomBar>

</androidx.constraintlayout.widget.ConstraintLayout>
```

fragment home.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/frameLayout"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@color/app"
    tools:context=".fragment.HomeFragment">

    <androidx.core.widget.NestedScrollView
        android:id="@+id/scrollView2"
        android:layout_width="0dp"
        android:layout_height="0dp"
        android:contentDescription="@string/app_name"
        android:fillViewport="false"
        android:scrollbars="vertical"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent">
```

```
<androidx.constraintlayout.widget.ConstraintLayout
    android:layout_width="match_parent"
    android:layout_height="match_parent">

    <ImageView
        android:id="@+id/imageView3"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="16dp"
        android:src="@drawable/logo"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <ImageView
        android:id="@+id/chats"
        android:layout_width="@dimen/_20mdp"
        android:layout_height="@dimen/_20mdp"
        android:layout_marginEnd="25dp"
        android:src="@drawable/ic_message"
        app:layout_constraintBottom_toBottomOf="@+id/imageView3"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintTop_toTopOf="@+id/imageView3" />

    <View
        android:id="@+id/view"
        android:layout_width="50dp"
        android:layout_height="50dp"
        android:background="@drawable/color_cover"
        app:layout_constraintBottom_toBottomOf="@+id/chats"
        app:layout_constraintEnd_toEndOf="@+id/chats"
        app:layout_constraintStart_toStartOf="@+id/chats"
        app:layout_constraintTop_toTopOf="@+id/chats" />

    <View
        android:id="@+id/view2"
        android:layout_width="0dp"
        android:layout_height="2dp"
        android:layout_marginTop="10dp"
        android:background="#626E68"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/imageView3" />
```

```
<com.makeramen.roundedimageview.RoundedImageView  
    android:id="@+id/profile"  
    android:layout_width="70dp"  
    android:layout_height="70dp"  
    android:layout_marginStart="10dp"  
    android:padding="8dp"  
    android:scaleType="centerCrop"  
    android:src="@drawable/profile_placeholder"  
    app:layout_constraintBottom_toTopOf="@+id/horizontalScrollView2"  
    app:layout_constraintEnd_toStartOf="@+id/whatOnMind"  
    app:layout_constraintHorizontal_chainStyle="packed"  
    app:layout_constraintStart_toStartOf="parent"  
    app:layout_constraintTop_toBottomOf="@+id/view2"  
    app:riv_corner_radius="50dp"  
    tools:ignore="ImageContrastCheck" />  
  
<View  
    android:id="@+id/view"  
    android:layout_width="55dp"  
    android:layout_height="55dp"  
    android:background="@drawable/circle_color"  
    app:layout_constraintBottom_toBottomOf="@+id/profile"  
    app:layout_constraintEnd_toEndOf="@+id/profile"  
    app:layout_constraintStart_toStartOf="@+id/profile"  
    app:layout_constraintTop_toTopOf="@+id/profile" />  
  
<TextView  
    android:id="@+id/whatOnMind"  
    android:layout_width="0dp"  
    android:layout_height="57dp"  
    android:layout_marginEnd="20dp"  
    android:background="@drawable/what_on_mind"  
    android:gravity="center_vertical"  
    android:paddingStart="20dp"  
    android:text="What's on your mind?"  
    android:textColor="#888888"  
    android:textSize="16dp"  
    app:layout_constraintBottom_toBottomOf="@+id/profile"  
    app:layout_constraintEnd_toEndOf="parent"  
    app:layout_constraintStart_toEndOf="@+id/profile"  
    app:layout_constraintTop_toTopOf="@+id/profile" />  
  
<HorizontalScrollView  
    android:id="@+id/horizontalScrollView2"  
    android:layout_width="0dp"
```

```
    android:fillViewport="true"
    android:layout_height="@dimen/_160mdp"
    android:layout_marginTop="148dp"
    android:contentDescription="@string/app_name"
    android:paddingLeft="10dp"
    android:scrollbars="none"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.0"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/view2">>

<RelativeLayout
    android:layout_width="match_parent"
    android:layout_height="match_parent">

<LinearLayout
    android:layout_width="wrap_content"
    android:layout_height="match_parent">

<androidx.constraintlayout.widget.ConstraintLayout
    android:layout_width="wrap_content"
    android:layout_height="match_parent"
    android:visibility="visible">

<View
    android:id="@+id/view5"
    android:layout_width="@dimen/_115mdp"
    android:layout_height="0dp"
    android:background="@drawable/color_cover"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />

<TextView
    android:id="@+id/username"
    android:layout_width="0dp"
    android:layout_height="50dp"
    android:layout_marginTop="15dp"
    android:fontFamily="@font/poppins_medium"
    android:gravity="center"
    android:text="Create a new story"
    android:textColor="@color/black"
```

```
        android:textSize="16sp"
        android:textStyle="bold"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="@+id/view5"
        app:layout_constraintTop_toBottomOf="@+id/postImg" />

<com.makeramen.roundedimageview.RoundedImageView
    android:id="@+id/postImg"
    android:layout_width="0dp"
    android:layout_height="129dp"
    android:scaleType="centerCrop"
    android:src="@drawable/post_placeholder"
    app:layout_constraintEnd_toEndOf="@+id/view5"
    app:layout_constraintStart_toStartOf="@+id/view5"
    app:layout_constraintTop_toTopOf="@+id/view5"
    app:riv_corner_radius_top_left="19dp"
    app:riv_corner_radius_top_right="19dp"
    tools:ignore="ImageContrastCheck" />

<View
    android:id="@+id/view"
    android:layout_width="0dp"
    android:layout_height="0dp"
    android:background="@drawable/story_cover"
    app:layout_constraintBottom_toBottomOf="@+id/postImg"
    app:layout_constraintEnd_toEndOf="@+id/postImg"
    app:layout_constraintStart_toStartOf="@+id/postImg"
    app:layout_constraintTop_toTopOf="@+id/postImg" />

<View
    android:id="@+id/view33"
    android:layout_width="0dp"
    android:layout_height="0dp"
    android:backgroundTint="@color/white"
    android:background="@drawable/online"
    app:layout_constraintBottom_toBottomOf="@+id/profile"
    app:layout_constraintEnd_toEndOf="@+id/profile"
    app:layout_constraintStart_toStartOf="@+id/profile"
    app:layout_constraintTop_toTopOf="@+id/profile" />

<com.makeramen.roundedimageview.RoundedImageView
    android:id="@+id/profile"
    android:layout_width="@dimen/_40mdp"
    android:layout_height="@dimen/_40mdp"
```

```
        android:layout_marginBottom="-5dp"
        android:scaleType="centerCrop"
        android:src="@drawable/ic_add"
        app:layout_constraintBottom_toTopOf="@+id/username"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="@+id/view5"
        app:riv_border_color="@color/white"
        app:riv_border_width="5dp"
        app:riv_corner_radius="25dp" />

    </androidx.constraintlayout.widget.ConstraintLayout>

    <com.cooltechworks.views.shimmer.ShimmerRecyclerView
        android:id="@+id/storyRV"
        android:layout_width="wrap_content"
        android:layout_height="match_parent"
        android:layout_marginLeft="10dp"
        app:shimmer_demo_child_count="10"
        app:shimmer_demo_layout="@layout/shimmer_story" />
</LinearLayout>

</RelativeLayout>

</HorizontalScrollView>

<com.cooltechworks.views.shimmer.ShimmerRecyclerView
    android:id="@+id/postRV"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/horizontalScrollView2"
    app:shimmer_demo_child_count="10"
    app:shimmer_demo_layout="@layout/shimmer_post" />

    </androidx.constraintlayout.widget.ConstraintLayout>
</androidx.core.widget.NestedScrollView>
</androidx.constraintlayout.widget.ConstraintLayout>
```

fragment_friends.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/frameLayout2"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@color/app"
    android:paddingLeft="10dp"
    android:paddingRight="10dp"
    tools:context=".fragment.FriendsFragment">

    <androidx.core.widget.NestedScrollView
        android:id="@+id/scrollView3"
        android:layout_width="0dp"
        android:layout_height="0dp"
        android:scrollbars="none"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent">

        <androidx.constraintlayout.widget.ConstraintLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content">

            <TextView
                android:id="@+id/name"
                android:layout_width="261dp"
                android:layout_height="46dp"
                android:layout_marginTop="20dp"
                android:fontFamily="@font/poppins_medium"
                android:gravity="center_vertical"
                android:text="@string/friends"
                android:textColor="@color/black"
                android:textSize="24sp"
```

```
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />

<com.cooltechworks.views.shimmer.ShimmerRecyclerView
    android:id="@+id/friendsRV"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginTop="18dp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.0"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/name"
    app:shimmer_demo_child_count="10"
    app:shimmer_demo_layout="@layout/shimmer_post" />
</androidx.constraintlayout.widget.ConstraintLayout>
</androidx.core.widget.NestedScrollView>

</androidx.constraintlayout.widget.ConstraintLayout>
```

Fragment add post.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/frameLayout3"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@color/app"
    tools:context=".fragment.AddPostFragment">
```

```
<View
    android:id="@+id/view6"
    android:layout_width="0dp"
    android:layout_height="2dp"
    android:layout_marginBottom="20dp"
    android:background="#626E68"
```

```
    app:layout_constraintBottom_toTopOf="@+id/profession2"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.0"
    app:layout_constraintStart_toStartOf="parent" />
```

```
<TextView
    android:id="@+id/profession2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="20dp"
    android:fontFamily="@font/poppins_medium"
    android:text="Add your post"
    android:textColor="@color/black"
    android:textSize="20sp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/postImg"
    app:layout_constraintVertical_bias="0.949" />
```

```
<TextView
    android:id="@+id/textView5"
    android:layout_width="wrap_content"
    android:layout_height="34dp"
    android:layout_marginStart="20dp"
    android:layout_marginTop="28dp"
    android:fontFamily="@font/poppins_medium"
    android:gravity="center"
    android:text="Create post"
    android:textColor="@color/black"
    android:textSize="23sp"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />
```

```
<Button
    android:id="@+id/postBtn"
    android:layout_width="@dimen/_60mdp"
    android:layout_height="@dimen/_32mdp"
    android:layout_marginEnd="12dp"
    android:background="@drawable/color_cover"
    android:textColor="@color/gray"
    android:enabled="false"
    android:text="Post"
    app:layout_constraintBottom_toBottomOf="@+id/textView5"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintTop_toTopOf="@+id/textView5" />
```

```
<com.makeramen.roundedimageview.RoundedImageView
    android:id="@+id/profile"
    android:layout_width="60dp"
    android:layout_height="65dp"
    android:layout_marginStart="4dp"
    android:layout_marginTop="40dp"
    android:padding="3dp"
    android:scaleType="centerCrop"
    android:src="@drawable/profile_placeholder"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView5"
    app:riv_corner_radius="50dp" />

<TextView
    android:id="@+id/name"
    android:layout_width="wrap_content"
    android:layout_height="30dp"
    android:layout_marginStart="12dp"
    android:layout_marginTop="5dp"
    android:fontFamily="@font/poppins_medium"
    android:textColor="@color/black"
    android:textSize="20sp"
    app:layout_constraintStart_toEndOf="@+id/profile"
    app:layout_constraintTop_toTopOf="@+id/profile" />

<TextView
    android:id="@+id/profession"
    android:layout_width="wrap_content"
    android:layout_height="25dp"
    android:fontFamily="@font/poppins_light"
    android:textColor="@android:color/darker_gray"
    android:textSize="16sp"
    android:textStyle="bold"
    app:layout_constraintBottom_toBottomOf="@+id/profile"
    app:layout_constraintStart_toStartOf="@+id/name"
    app:layout_constraintTop_toBottomOf="@+id/name"
    app:layout_constraintVertical_bias="0.0" />

<EditText
    android:id="@+id/aboutImg"
    android:layout_width="0dp"
    android:layout_height="0dp"
    android:layout_marginTop="18dp"
    android:background="@android:color/transparent"
```

```
    android:gravity="top"
    android:hint="What's on your mind?"
    android:paddingLeft="20dp"
    android:textColor="@color/black"
    android:textColorHint="@color/gray"
    android:textSize="20sp"
    app:layout_constraintBottom_toTopOf="@+id/postImg"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.529"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/profile"
    app:layout_constraintVertical_bias="1.0" />
```

```
<com.makeramen.roundedimageview.RoundedImageView
    android:id="@+id/postImg"
    android:layout_width="@dimen/_300mdp"
    android:layout_height="@dimen/_220mdp"
    android:scaleType="centerCrop"
    android:src="@drawable/elon"
    android:visibility="gone"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/profile"
    app:layout_constraintVertical_bias="0.378"
    app:riv_corner_radius="19dp" />
```

```
<View
    android:id="@+id/view3"
    android:layout_width="0dp"
    android:layout_height="0dp"
    android:background="@drawable/profile_cover"
    app:layout_constraintBottom_toBottomOf="@+id/postImg"
    app:layout_constraintEnd_toEndOf="@+id/postImg"
    app:layout_constraintHorizontal_bias="0.0"
    app:layout_constraintStart_toStartOf="@+id/postImg"
    app:layout_constraintTop_toTopOf="@+id/postImg"
    app:layout_constraintVertical_bias="0.0" />
```

```
<ImageView
    android:id="@+id/selectImage"
    android:layout_width="39dp"
    android:layout_height="39dp"
    android:layout_marginEnd="16dp"
```

```
    android:src="@drawable/ic_photo"
    app:layout_constraintBottom_toBottomOf="@+id/profession2"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintTop_toTopOf="@+id/profession2" />

</androidx.constraintlayout.widget.ConstraintLayout>
```

fragment_notification.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/frameLayout2"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@color/app"
    tools:context=".fragment.FriendsFragment">
```

```
<androidx.core.widget.NestedScrollView
    android:id="@+id/scrollView3"
    android:layout_width="0dp"
    android:layout_height="0dp"
    android:layout_marginStart="9dp"
    android:layout_marginLeft="9dp"
    android:layout_marginEnd="9dp"
    android:layout_marginRight="9dp"
    android:scrollbars="none"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent">
```

```
<androidx.constraintlayout.widget.ConstraintLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content">
```

```
<TextView
    android:id="@+id/name"
```

```
        android:layout_width="261dp"
        android:layout_height="46dp"
        android:layout_marginTop="20dp"
        android:fontFamily="@font/poppins_medium"
        android:gravity="center_vertical"

        android:text="@string/notification"
        android:textColor="@color/black"
        android:textSize="24sp"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

<com.cooltechworks.views.shimmer.ShimmerRecyclerView
    android:id="@+id/notificationRV"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="8dp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.0"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/name"
    app:shimmer_demo_child_count="10"
    app:shimmer_demo_layout="@layout/shimmer_notification" />
</androidx.constraintlayout.widget.ConstraintLayout>
</androidx.core.widget.NestedScrollView>

</androidx.constraintlayout.widget.ConstraintLayout>
```

fragment_profile.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/frameLayout4"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@color/app"
    tools:context=".fragment.ProfileFragment">
```

```
<com.makeramen.roundedimageview.RoundedImageView  
    android:id="@+id/cover_photo"  
    android:layout_width="0dp"  
    android:layout_height="300dp"  
    android:scaleType="centerCrop"  
    android:src="@drawable/post_placeholder"  
    app:layout_constraintEnd_toEndOf="parent"  
    app:layout_constraintStart_toStartOf="parent"  
    app:layout_constraintTop_toTopOf="parent"  
    app:riv_corner_radius_bottom_left="15dp"  
    app:riv_corner_radius_bottom_right="15dp" />
```

```
<View  
    android:id="@+id/view"  
    android:layout_width="0dp"  
    android:layout_height="0dp"  
    android:background="@drawable/cover_img_cover"  
    app:layout_constraintBottom_toBottomOf="@+id/cover_photo"  
    app:layout_constraintEnd_toEndOf="parent"  
    app:layout_constraintHorizontal_bias="1.0"  
    app:layout_constraintStart_toStartOf="parent"  
    app:layout_constraintTop_toTopOf="parent"  
    app:layout_constraintVertical_bias="1.0" />
```

```
<View  
    android:id="@+id/view"  
    android:layout_width="0dp"  
    android:layout_height="450dp"  
    android:background="@drawable/profile_fragment_cover"  
    app:layout_constraintBottom_toBottomOf="parent"  
    app:layout_constraintEnd_toEndOf="parent"  
    app:layout_constraintHorizontal_bias="0.0"  
    app:layout_constraintStart_toStartOf="parent" />
```

```
<com.makeramen.roundedimageview.RoundedImageView  
    android:id="@+id/profile"  
    android:layout_width="@dimen/_80mdp"  
    android:layout_height="@dimen/_85mdp"  
    android:scaleType="centerCrop"  
    android:src="@drawable/profile_placeholder"  
    app:layout_constraintBottom_toTopOf="@+id/view"  
    app:layout_constraintEnd_toEndOf="parent"  
    app:layout_constraintStart_toStartOf="parent"  
    app:layout_constraintTop_toTopOf="@+id/view"
```

```
    app:riv_border_color="@color/white"
    app:riv_border_width="4dp"
    app:riv_corner_radius="50dp" />

<View
    android:id="@+id/view3"
    android:layout_width="0dp"
    android:layout_height="0dp"
    android:background="@drawable/circle_color"
    app:layout_constraintBottom_toBottomOf="@+id/profile"
    app:layout_constraintEnd_toEndOf="@+id/profile"
    app:layout_constraintStart_toStartOf="@+id/profile"
    app:layout_constraintTop_toTopOf="@+id/profile"
    app:layout_constraintVertical_bias="1.0" />

<TextView
    android:id="@+id/name"
    android:layout_width="wrap_content"
    android:layout_height="34dp"
    android:fontFamily="@font/poppins_medium"
    android:gravity="center"
    android:letterSpacing="0.05"
    android:textColor="@color/black"
    android:textSize="28sp"
    app:layout_constraintEnd_toEndOf="@+id/profile"
    app:layout_constraintStart_toStartOf="@+id/profile"
    app:layout_constraintTop_toBottomOf="@+id/profile" />

<TextView
    android:id="@+id/name2"
    android:layout_width="wrap_content"
    android:layout_height="34dp"
    android:layout_marginTop="8dp"
    android:fontFamily="@font/poppins_medium"
    android:gravity="center"
    android:text="My Profile"
    android:textColor="@color/white"
    android:textSize="26sp"
    app:layout_constraintEnd_toStartOf="@+id/signout"
    app:layout_constraintHorizontal_bias="0.068"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />

<TextView
    android:id="@+id/profession"
```

```
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:fontFamily="@font/poppins_light"
    android:gravity="center"
    android:textColor="@android:color/darker_gray"
    android:textSize="18sp"
    android:textStyle="bold"
    app:layout_constraintEnd_toEndOf="@+id/name"
    app:layout_constraintStart_toStartOf="@+id/name"
    app:layout_constraintTop_toBottomOf="@+id/name" />
```

```
<View
    android:id="@+id/view10"
    android:layout_width="289dp"
    android:layout_height="78dp"
    android:background="@drawable/followers_following"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/profession"
    app:layout_constraintVertical_bias="0.142" />
```

```
<ImageView
    android:id="@+id/signout"
    android:layout_width="35dp"
    android:layout_height="46dp"
    android:layout_marginEnd="16dp"
    android:src="@drawable/ic_logout_svgrepo_com_1_"
    app:layout_constraintBottom_toBottomOf="@+id/name2"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintTop_toTopOf="@+id/name2" />
```

```
<TextView
    android:id="@+id/textView9"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="32dp"
    android:layout_marginTop="12dp"
    android:text="Followers"
    android:textStyle="bold"
    android:textColor="@color/black"
    android:textSize="20dp"
    app:layout_constraintStart_toStartOf="@+id/view10"
    app:layout_constraintTop_toTopOf="@+id/view10" />
```

```
<TextView  
    android:id="@+id/followers"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_marginStart="12dp"  
    android:text="0"  
    android:textColor="@color/black"  
    android:textSize="18dp"  
    app:layout_constraintBottom_toBottomOf="@+id/view10"  
    app:layout_constraintEnd_toEndOf="@+id/textView9"  
    app:layout_constraintStart_toStartOf="@+id/view10"  
    app:layout_constraintTop_toBottomOf="@+id/textView9"  
    app:layout_constraintVertical_bias="0.192" />
```

```
<View  
    android:id="@+id/view12"  
    android:layout_width="2dp"  
    android:layout_height="50dp"  
    android:background="@android:color/darker_gray"  
    app:layout_constraintBottom_toBottomOf="@+id/view10"  
    app:layout_constraintEnd_toStartOf="@+id/textView10"  
    app:layout_constraintStart_toEndOf="@+id/textView9"  
    app:layout_constraintTop_toTopOf="@+id/view10" />
```

```
<TextView  
    android:id="@+id/textView10"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:text="Following"  
    android:textColor="@color/black"  
    android:textSize="20dp"  
    android:textStyle="bold"  
    app:layout_constraintEnd_toEndOf="@+id/view10"  
    app:layout_constraintHorizontal_bias="0.584"  
    app:layout_constraintStart_toEndOf="@+id/textView9"  
    app:layout_constraintTop_toTopOf="@+id/textView9" />
```

```
<TextView  
    android:id="@+id/following"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:text="0"  
    android:textColor="@color/black"
```

```
        android:textSize="18dp"
        app:layout_constraintBottom_toBottomOf="@+id/followers"
        app:layout_constraintEnd_toEndOf="@+id/textView10"
        app:layout_constraintHorizontal_bias="0.543"
        app:layout_constraintStart_toStartOf="@+id/textView10" />
```

```
<TextView
    android:id="@+id/name_friend"
    android:layout_width="wrap_content"
    android:layout_height="34dp"
    android:layout_marginTop="48dp"
    android:fontFamily="@font/poppins_medium"
    android:gravity="center"
    android:letterSpacing="0.05"
    android:text="@string/friends"
    android:textColor="@color/black"
    android:textSize="28sp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.053"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/view10" />
```

```
<androidx.recyclerview.widget.RecyclerView
    android:id="@+id/friendsRV_P"
    android:layout_width="wrap_content"
    android:layout_height="102dp"
    android:layout_marginTop="8dp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.06"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/name_friend" />
```

```
<ImageView
    android:id="@+id/change_cover"
    android:layout_width="31dp"
    android:layout_height="28dp"
    android:layout_marginTop="160dp"
    android:layout_marginEnd="22dp"
    android:src="@drawable/camera"
    app:layout_constraintBottom_toBottomOf="@+id/cover_photo"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toEndOf="@+id/view2"
    app:layout_constraintTop_toBottomOf="@+id/signout" />
```

```
<ImageView  
    android:id="@+id/change_profile"  
    android:layout_width="38dp"  
    android:layout_height="27dp"  
    android:src="@drawable/black_camera"  
    app:layout_constraintBottom_toBottomOf="@+id/profile"  
    app:layout_constraintEnd_toEndOf="@+id/profile"  
    app:layout_constraintTop_toTopOf="@+id/view" />  
  
</androidx.constraintlayout.widget.ConstraintLayout>
```

Story_rv.xml

```
<?xml version="1.0" encoding="utf-8"?>  
<androidx.constraintlayout.widget.ConstraintLayout  
    xmlns:android="http://schemas.android.com/apk/res/android"  
    xmlns:app="http://schemas.android.com/apk/res-auto"  
    xmlns:tools="http://schemas.android.com/tools"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_marginLeft="10dp"  
    android:background="@color/app">
```

```
<View  
    android:id="@+id/view5"  
    android:layout_width="@dimen/_115mdp"  
    android:layout_height="@dimen/_160mdp"  
    android:background="@drawable/color_cover"  
    app:layout_constraintBottom_toBottomOf="parent"  
    app:layout_constraintEnd_toEndOf="parent"  
    app:layout_constraintStart_toStartOf="parent"  
    app:layout_constraintTop_toTopOf="parent" />
```

```
<TextView  
    android:id="@+id/username"  
    android:layout_width="0dp"  
    android:layout_height="50dp"
```

```
        android:layout_marginTop="16dp"
        android:fontFamily="@font/poppins_medium"
        android:gravity="center"
        android:textColor="@color/black"
        android:textSize="16sp"
        android:textStyle="bold"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="@+id/view5"
        app:layout_constraintTop_toBottomOf="@+id/storyImg" />

<com.makeramen.roundedimageview.RoundedImageView
    android:id="@+id/storyImg"
    android:layout_width="0dp"
    android:layout_height="129dp"
    android:scaleType="centerCrop"
    android:src="@drawable/post_placeholder"
    app:layout_constraintEnd_toEndOf="@+id/view5"
    app:layout_constraintStart_toStartOf="@+id/view5"
    app:layout_constraintTop_toTopOf="@+id/view5"
    app:riv_corner_radius_top_left="19dp"
    app:riv_corner_radius_top_right="19dp"
    tools:ignore="ImageContrastCheck" />

<View
    android:id="@+id/view"
    android:layout_width="0dp"
    android:layout_height="0dp"
    android:background="@drawable/story_cover"
    app:layout_constraintBottom_toBottomOf="@+id/storyImg"
    app:layout_constraintEnd_toEndOf="@+id/storyImg"
    app:layout_constraintStart_toStartOf="@+id/storyImg"
    app:layout_constraintTop_toTopOf="@+id/storyImg" />

<com.makeramen.roundedimageview.RoundedImageView
    android:id="@+id/profile"
    android:layout_width="@dimen/_40mdp"
    android:layout_height="@dimen/_40mdp"
    android:scaleType="centerCrop"
    android:padding="5dp"
    android:src="@drawable/profile_placeholder"
    app:layout_constraintBottom_toTopOf="@+id/username"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="@+id/view5"
    app:riv_corner_radius="25dp" />
```

```
<com.devломи.circularstatusview.CircularStatusView  
    android:id="@+id/status_circle"  
    android:layout_width="0dp"  
    android:layout_height="0dp"  
    app:layout_constraintBottom_toBottomOf="@+id/profile"  
    app:layout_constraintEnd_toEndOf="@+id/profile"  
    app:layout_constraintStart_toStartOf="@+id/profile"  
    app:layout_constraintTop_toTopOf="@+id/profile"  
    app:portion_color="@color/teal_700"  
    app:portion_spacing="8dp"  
    app:portion_width="3dp"  
    app:portions_count="4" />  
  
</androidx.constraintlayout.widget.ConstraintLayout>
```

Shimmer_story.xml

```
<?xml version="1.0" encoding="utf-8"?>  
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
    xmlns:app="http://schemas.android.com/apk/res-auto"  
    xmlns:tools="http://schemas.android.com/tools"  
    android:layout_width="match_parent"  
    android:layout_height="match_parent"  
    android:layout_marginStart="10dp"  
    android:background="@color/app">  
  
<androidx.constraintlayout.widget.ConstraintLayout  
    android:layout_width="match_parent"  
    android:layout_height="match_parent">  
  
<View  
    android:id="@+id/view5"  
    android:layout_width="@dimen/_115mdp"  
    android:layout_height="@dimen/_160mdp"  
    android:background="@drawable/color_cover"  
    android:backgroundTint="#14101010"  
    app:layout_constraintStart_toStartOf="parent"  
    app:layout_constraintTop_toTopOf="parent" />
```

```
<View
    android:id="@+id/storyImg"
    android:layout_width="0dp"
    android:layout_height="129dp"
    android:background="@drawable/story_cover"
    android:backgroundTint="#28101010"
    app:layout_constraintEnd_toEndOf="@+id/view5"
    app:layout_constraintStart_toStartOf="@+id/view5"
    app:layout_constraintTop_toTopOf="@+id/view5" />

<View
    android:id="@+id/profile"
    android:layout_width="@dimen/_40mdp"
    android:layout_height="@dimen/_40mdp"
    android:layout_marginTop="96dp"
    android:background="@drawable/circle_color"
    android:backgroundTint="@color/gray"
    app:layout_constraintEnd_toEndOf="@+id/view5"
    app:layout_constraintStart_toStartOf="@+id/view5"
    app:layout_constraintTop_toTopOf="parent" />

<View
    android:id="@+id/username"
    android:layout_width="134dp"
    android:layout_height="21dp"
    android:layout_marginStart="5dp"
    android:layout_marginTop="16dp"
    android:layout_marginEnd="5dp"
    android:background="#0A101010"
    app:layout_constraintBottom_toBottomOf="@+id/view5"
    app:layout_constraintEnd_toEndOf="@+id/view5"
    app:layout_constraintStart_toStartOf="@+id/view5"
    app:layout_constraintTop_toBottomOf="@+id/storyImg" />

<com.devломи.circularstatusview.CircularStatusView
    android:id="@+id/status_circle"
    android:layout_width="0dp"
    android:layout_height="0dp"
    app:layout_constraintBottom_toBottomOf="@+id/profile"
    app:layout_constraintEnd_toEndOf="@+id/profile"
    app:layout_constraintStart_toStartOf="@+id/profile"
    app:layout_constraintTop_toTopOf="@+id/profile"
    app:portion_color="#1D101010"
```

```
    app:portion_spacing="10dp"
    app:portion_width="3dp"
    app:portions_count="4" />

</androidx.constraintlayout.widget.ConstraintLayout>
</RelativeLayout>
```

post_rv.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="15dp"
    android:background="@color/app">

<com.makeramen.roundedimageview.RoundedImageView
    android:id="@+id/profile"
    android:layout_width="@dimen/_60mdp"
    android:layout_height="@dimen/_65mdp"
    android:layout_marginStart="8dp"
    android:layout_marginLeft="8dp"
    android:layout_marginTop="18dp"
    android:scaleType="centerCrop"
    android:src="@drawable/profile_placeholder"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:riv_corner_radius="50dp" />
```

```
<View
    android:id="@+id/view3"
    android:layout_width="0dp"
    android:layout_height="0dp"
    android:background="@drawable/circle_color"
    app:layout_constraintBottom_toBottomOf="@+id/profile"
    app:layout_constraintEnd_toEndOf="@+id/profile"
```

```
    app:layout_constraintStart_toStartOf="@+id/profile"
    app:layout_constraintTop_toTopOf="@+id/profile" />
```

```
<TextView
    android:id="@+id/name"
    android:layout_width="166dp"
    android:layout_height="25dp"
    android:layout_marginStart="8dp"
    android:layout_marginTop="16dp"
    android:fontFamily="@font/poppins_medium"
    android:textColor="@color/black"
    android:textSize="20dp"
    app:layout_constraintStart_toEndOf="@+id/profile"
    app:layout_constraintTop_toTopOf="@+id/profile" />
```

```
<TextView
    android:id="@+id/profession"
    android:layout_width="172dp"
    android:layout_height="16dp"
    android:fontFamily="@font/poppins_light"
    android:textColor="@android:color/darker_gray"
    android:textStyle="bold"
    app:layout_constraintBottom_toBottomOf="@+id/profile"
    app:layout_constraintEnd_toEndOf="@+id/name"
    app:layout_constraintHorizontal_bias="0.0"
    app:layout_constraintStart_toStartOf="@+id/name"
    app:layout_constraintTop_toBottomOf="@+id/name"
    app:layout_constraintVertical_bias="0.0" />
```

```
<com.makeramen.roundedimageview.RoundedImageView
    android:id="@+id/postImg"
    android:layout_width="@dimen/_280mdp"
    android:layout_height="@dimen/_200mdp"
    android:layout_marginTop="20dp"
    android:layout_marginEnd="8dp"
    android:scaleType="centerCrop"
    android:src="@drawable/post_placeholder"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/profile"
    app:riv_corner_radius="19dp" />
```

```
<View
```

```
    android:id="@+id/view3"
    android:layout_width="0dp"
    android:layout_height="0dp"
    android:background="@drawable/profile_cover"
    app:layout_constraintBottom_toBottomOf="@+id/postImg"
    app:layout_constraintEnd_toEndOf="@+id/postImg"
    app:layout_constraintStart_toStartOf="@+id/postImg"
    app:layout_constraintTop_toTopOf="@+id/postImg" />
```

```
<View
    android:id="@+id/view7"
    android:layout_width="@dimen/_150mdp"
    android:layout_height="@dimen/_45mdp"
    android:background="@drawable/like_comment_background"
    app:layout_constraintBottom_toBottomOf="@+id/postImg"
    app:layout_constraintEnd_toEndOf="@+id/postImg" />
```

```
<TextView
    android:id="@+id/likes"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:drawableLeft="@drawable/ic_like"
    android:drawablePadding="@dimen/_3mdp"
    android:gravity="center"
    android:text="213"
    android:textColor="@color/black"
    android:textSize="18sp"
    app:layout_constraintBottom_toBottomOf="@+id/view7"
    app:layout_constraintEnd_toStartOf="@+id/view8"
    app:layout_constraintHorizontal_chainStyle="spread"
    app:layout_constraintStart_toEndOf="@+id/postImg"
    app:layout_constraintStart_toStartOf="@+id/view7"
    app:layout_constraintTop_toTopOf="@+id/view7" />
```

```
<TextView
    android:id="@+id/comments"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:drawableLeft="@drawable/ic_comment"
    android:drawablePadding="@dimen/_3mdp"
    android:gravity="center"
    android:text="213"
    android:textColor="@color/black"
```

```
        android:textSize="18sp"
        app:layout_constraintBottom_toBottomOf="@+id/likes"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toEndOf="@+id/view8"
        app:layout_constraintTop_toTopOf="@+id/likes" />

<View
    android:id="@+id/view8"
    android:layout_width="1dp"
    android:layout_height="20dp"
    android:background="@android:color/darker_gray"
    app:layout_constraintBottom_toBottomOf="@+id/likes"
    app:layout_constraintEnd_toStartOf="@+id/comments"
    app:layout_constraintHorizontal_bias="0.5"
    app:layout_constraintStart_toEndOf="@+id/likes"
    app:layout_constraintTop_toTopOf="@+id/likes" />

<TextView
    android:id="@+id/aboutImg"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginTop="16dp"
    android:gravity="center"
    android:text="TextView"
    android:textColor="#A9000000"
    android:textSize="20dp"
    app:layout_constraintEnd_toEndOf="@+id/postImg"
    app:layout_constraintHorizontal_bias="0.0"
    app:layout_constraintStart_toStartOf="@+id/postImg"
    app:layout_constraintTop_toBottomOf="@+id/postImg" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

Shimmer_post.xml

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@color/white">
```

```
<androidx.constraintlayout.widget.ConstraintLayout  
    android:layout_width="match_parent"  
    android:layout_height="match_parent">  
  
<View  
    android:id="@+id/profile"  
    android:layout_width="@dimen/_60mdp"  
    android:layout_height="@dimen/_60mdp"  
    android:layout_marginStart="8dp"  
    android:layout_marginLeft="8dp"  
    android:layout_marginTop="18dp"  
    android:background="@drawable/circle_color"  
    android:backgroundTint="@color/gray"  
    app:layout_constraintStart_toStartOf="parent"  
    app:layout_constraintTop_toTopOf="parent" />  
  
<View  
    android:id="@+id/view9"  
    android:layout_width="130dp"  
    android:layout_height="23dp"  
    android:layout_marginStart="8dp"  
    android:layout_marginTop="12dp"  
    android:background="#14101010"  
    app:layout_constraintStart_toEndOf="@+id/profile"  
    app:layout_constraintTop_toTopOf="@+id/profile" />  
  
<View  
    android:id="@+id/view11"  
    android:layout_width="0dp"  
    android:layout_height="25dp"  
    android:layout_marginStart="8dp"  
    android:layout_marginTop="10dp"  
    android:background="#14101010"  
    app:layout_constraintEnd_toEndOf="@+id/view13"  
    app:layout_constraintStart_toStartOf="@+id/view13"  
    app:layout_constraintTop_toBottomOf="@+id/view13" />  
  
<View  
    android:id="@+id/profession"  
    android:layout_width="0dp"  
    android:layout_height="16dp"  
    android:background="#14101010"  
    android:layout_marginEnd="10dp"
```

```
    app:layout_constraintBottom_toBottomOf="@+id/profile"
    app:layout_constraintEnd_toEndOf="@+id/view9"
    app:layout_constraintStart_toStartOf="@+id/view9"
    app:layout_constraintTop_toBottomOf="@+id/view9"
    app:layout_constraintVertical_bias="0.296" />

<View
    android:id="@+id/view13"
    android:layout_width="@dimen/_280mdp"
    android:layout_height="@dimen/_200mdp"
    android:layout_marginTop="20dp"
    android:layout_marginEnd="8dp"
    android:background="@drawable/profile_cover"
    android:backgroundTint="@color/gray"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/profile" />

</androidx.constraintlayout.widget.ConstraintLayout>

</RelativeLayout>
```

Activity_comment.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@color/white"
    tools:context=".CommentActivity">

    <androidx.appcompat.widget.Toolbar
        android:id="@+id/toolbar"
        android:layout_width="0dp"
        android:layout_height="61dp"
        android:background="@color/teal_700"
        android:minHeight="?attr/actionBarSize"
        android:theme="?attr actionBarTheme"
        app:layout_constraintEnd_toEndOf="parent"
```

```
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />

<ScrollView
    android:id="@+id/scrollView4"
    android:layout_width="0dp"
    android:layout_height="0dp"
    android:fillViewport="true"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.5"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/toolbar">

<androidx.constraintlayout.widget.ConstraintLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content">

    <com.makeramen.roundedimageview.RoundedImageView
        android:id="@+id/postImg"
        android:layout_width="0dp"
        android:layout_height="@dimen/_180mdp"
        android:scaleType="centerCrop"
        android:src="@drawable/post_placeholder"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <com.makeramen.roundedimageview.RoundedImageView
        android:id="@+id/profile"
        android:layout_width="@dimen/_45mdp"
        android:layout_height="@dimen/_45mdp"
        android:layout_marginStart="8dp"
        android:layout_marginTop="8dp"
        android:scaleType="centerCrop"
        android:src="@drawable/profile_placeholder"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:riv_corner_radius="50dp" />

    <View
        android:id="@+id/view7"
        android:layout_width="@dimen/_150mdp"
        android:layout_height="@dimen/_35mdp"
```

```
    android:background="@drawable/like_comment_background"
    app:layout_constraintBottom_toBottomOf="@+id/postImg"
    app:layout_constraintEnd_toEndOf="parent" />
```

```
<TextView
    android:id="@+id/likes"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:drawableLeft="@drawable/ic_like"
    android:drawablePadding="@dimen/_3mdp"
    android:gravity="center"
    android:text="213"
    android:textColor="@color/black"
    android:textSize="18sp"
    app:layout_constraintBottom_toBottomOf="@+id/view7"
    app:layout_constraintEnd_toStartOf="@+id/view8"
    app:layout_constraintHorizontal_chainStyle="spread"
    app:layout_constraintStart_toEndOf="@+id/postImg"
    app:layout_constraintStart_toStartOf="@+id/view7"
    app:layout_constraintTop_toTopOf="@+id/view7" />
```

```
<TextView
    android:id="@+id/comments"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:drawableLeft="@drawable/ic_comment"
    android:drawablePadding="@dimen/_3mdp"
    android:gravity="center"
    android:text="213"
    android:textColor="@color/black"
    android:textSize="18sp"
    app:layout_constraintBottom_toBottomOf="@+id/likes"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toEndOf="@+id/view8"
    app:layout_constraintTop_toTopOf="@+id/likes" />
```

```
<View
    android:id="@+id/view8"
    android:layout_width="1dp"
    android:layout_height="20dp"
    android:background="@android:color/darker_gray"
    app:layout_constraintBottom_toBottomOf="@+id/likes"
    app:layout_constraintEnd_toStartOf="@+id/comments"
    app:layout_constraintHorizontal_bias="0.5"
```

```
    app:layout_constraintStart_toEndOf="@+id/likes"
    app:layout_constraintTop_toTopOf="@+id/likes" />

<TextView
    android:id="@+id/aboutPost"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginLeft="8dp"
    android:layout_marginTop="8dp"
    android:layout_marginRight="8dp"
    android:textColor="@color/black"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.0"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/postImg" />

<androidx.recyclerview.widget.RecyclerView
    android:id="@+id/commentRV"
    android:layout_width="0dp"
    android:layout_height="0dp"
    android:layout_marginTop="8dp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="1.0"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/aboutPost" />

</androidx.constraintlayout.widget.ConstraintLayout>
</ScrollView>

<EditText
    android:id="@+id/write_comment"
    android:layout_width="343dp"
    android:layout_height="57dp"
    android:layout_marginBottom="15dp"
    android:background="@drawable/what_on_mind"
    android:ems="10"
    android:hint="Write a comment."
    android:inputType="textMultiLine|textPersonName"
    android:maxLines="2"
    android:paddingStart="@dimen/_15mdp"
    android:textColorHint="@color/gray"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintStart_toStartOf="parent" />
```

```
<ImageView  
    android:id="@+id/upload_comment"  
    android:layout_width="39dp"  
    android:layout_height="45dp"  
    app:layout_constraintBottom_toBottomOf="@+id/write_comment"  
    app:layout_constraintEnd_toEndOf="parent"  
    app:layout_constraintStart_toEndOf="@+id/write_comment"  
    app:layout_constraintTop_toTopOf="@+id/write_comment"  
    app:srcCompat="@drawable/ic_send" />  
  
</androidx.constraintlayout.widget.ConstraintLayout>
```

Friends_rv.xml

```
<?xml version="1.0" encoding="utf-8"?>  
<androidx.constraintlayout.widget.ConstraintLayout  
    xmlns:android="http://schemas.android.com/apk/res/android"  
    xmlns:app="http://schemas.android.com/apk/res-auto"  
    xmlns:tools="http://schemas.android.com/tools"  
    android:layout_width="match_parent"  
    android:layout_height="wrap_content"  
    android:layout_marginBottom="20dp"  
    android:background="@color/app">  
  
<com.makeramen.roundedimageview.RoundedImageView  
    android:id="@+id/profile"  
    android:layout_width="@dimen/_45mdp"  
    android:layout_height="@dimen/_45mdp"  
    android:layout_marginLeft="@dimen/_5mdp"  
    android:scaleType="centerCrop"  
    android:src="@drawable/profile_placeholder"  
    app:layout_constraintStart_toStartOf="parent"  
    app:layout_constraintTop_toTopOf="parent"  
    app:riv_corner_radius="50dp" />  
  
<TextView  
    android:id="@+id/name"  
    android:layout_width="wrap_content"
```

```
        android:layout_height="20dp"
        android:layout_marginStart="8dp"
        android:fontFamily="@font/poppins_medium"
        android:layout_marginBottom="@dimen/_20mdp"
        android:textColor="@color/black"
        android:textSize="16sp"
        android:letterSpacing="0.05"
    app:layout_constraintBottom_toBottomOf="@+id/profile"
    app:layout_constraintStart_toEndOf="@+id/profile"
    app:layout_constraintTop_toTopOf="@+id/profile" />
```

```
<TextView
    android:id="@+id/profession"
    android:layout_width="wrap_content"
    android:layout_height="20dp"
    android:fontFamily="@font/poppins_light"
    android:textColor="@android:color/darker_gray"
    app:layout_constraintStart_toStartOf="@+id/name"
    app:layout_constraintTop_toBottomOf="@+id/name" />
```

```
<Button
    android:id="@+id/followBtn"
    android:layout_width="@dimen/_75mdp"
    android:layout_height="@dimen/_35mdp"
    android:layout_marginEnd="8dp"
    android:background="@drawable	btn_background"
    android:capitalize="none"
    android:text="Follow"
    android:textColor="@color/white"
    android:textSize="13sp"
    android:textStyle="bold"
    app:layout_constraintBottom_toBottomOf="@+id/profile"
    app:layout_constraintEnd_toStartOf="@+id/chats"
    app:layout_constraintTop_toTopOf="@+id/profile" />
```

```
<ImageView
    android:id="@+id/chats"
    android:layout_width="@dimen/_20mdp"
    android:layout_height="@dimen/_20mdp"
    android:layout_marginEnd="8dp"
    android:src="@drawable/ic_message"
    android:visibility="gone"
    app:layout_constraintBottom_toBottomOf="@+id/followBtn"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintTop_toTopOf="@+id/followBtn" />
```

```
</androidx.constraintlayout.widget.ConstraintLayout>
```

Shimmer_friends.xml

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@color/app">

    <androidx.constraintlayout.widget.ConstraintLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent">

        <View
            android:id="@+id/profile"
            android:layout_width="@dimen/_55mdp"
            android:layout_height="@dimen/_55mdp"
            android:background="@drawable/circle_color"
            android:backgroundTint="@color/gray"
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintTop_toTopOf="parent"
            app:riv_corner_radius="50dp" />

        <View
            android:id="@+id/name"
            android:layout_width="120dp"
            android:layout_height="20dp"
            android:layout_marginStart="8dp"
            android:layout_marginTop="16dp"
            android:background="#14101010"
            app:layout_constraintStart_toEndOf="@+id/profile"
            app:layout_constraintTop_toTopOf="@+id/profile" />

        <View
            android:id="@+id/profession"
            android:layout_width="90dp"
            android:layout_height="15dp"
```

```
        android:background="#14101010"
        app:layout_constraintBottom_toBottomOf="@+id/profile"
        app:layout_constraintStart_toStartOf="@+id/name"
        app:layout_constraintTop_toBottomOf="@+id/name"
        app:layout_constraintVertical_bias="0.269" />

    <View
        android:id="@+id/followBtn"
        android:layout_width="@dimen/_85mdp"
        android:layout_height="48dp"
        android:layout_marginEnd="4dp"
        android:background="@drawable/profile_cover"
        android:backgroundTint="@color/gray"
        app:layout_constraintBottom_toBottomOf="@+id/profile"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintTop_toTopOf="@+id/profile" />

    </androidx.constraintlayout.widget.ConstraintLayout>

</RelativeLayout>
```

Notification_rv.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/frameLayout2"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@color/app"
    tools:context=".fragment.FriendsFragment">

    <androidx.core.widget.NestedScrollView
        android:id="@+id/scrollView3"
        android:layout_width="0dp"
        android:layout_height="0dp"
        android:layout_marginStart="9dp"
        android:layout_marginLeft="9dp"
```

```
        android:layout_marginEnd="9dp"
        android:layout_marginRight="9dp"
        android:scrollbars="none"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent">

    <androidx.constraintlayout.widget.ConstraintLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content">

        <TextView
            android:id="@+id/name"
            android:layout_width="261dp"
            android:layout_height="46dp"
            android:layout_marginTop="20dp"
            android:fontFamily="@font/poppins_medium"
            android:gravity="center_vertical"

            android:text="@string/notification"
            android:textColor="@color/black"
            android:textSize="24sp"
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintTop_toTopOf="parent" />

        <com.cooltechworks.views.shimmer.ShimmerRecyclerView
            android:id="@+id/notificationRV"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginTop="8dp"
            app:layout_constraintBottom_toBottomOf="parent"
            app:layout_constraintEnd_toEndOf="parent"
            app:layout_constraintHorizontal_bias="0.0"
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintTop_toBottomOf="@+id/name"
            app:shimmer_demo_child_count="10"
            app:shimmer_demo_layout="@layout/shimmer_notification" />
    </androidx.constraintlayout.widget.ConstraintLayout>
</androidx.core.widget.NestedScrollView>

</androidx.constraintlayout.widget.ConstraintLayout>
```

Shimmer notification.xml

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@color/app">

    <androidx.constraintlayout.widget.ConstraintLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent">

        <View
            android:id="@+id/profile"
            android:layout_width="@dimen/_55mdp"
            android:layout_height="@dimen/_55mdp"
            android:layout_marginTop="12dp"
            android:background="@drawable/circle_color"
            android:backgroundTint="@color/gray"
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintTop_toTopOf="parent" />

        <View
            android:id="@+id/name"
            android:layout_width="0dp"
            android:layout_height="20dp"
            android:layout_marginStart="8dp"
            android:layout_marginTop="5dp"
            android:background="#14101010"
            app:layout_constraintBottom_toTopOf="@+id/time"
            app:layout_constraintEnd_toEndOf="parent"
            app:layout_constraintStart_toEndOf="@+id/profile"
            app:layout_constraintTop_toTopOf="@+id/profile" />

        <View
            android:id="@+id/time"
            android:layout_width="90dp"
```

```
        android:layout_height="20dp"
        android:layout_marginBottom="15dp"
        android:background="#14101010"
        app:layout_constraintBottom_toBottomOf="@+id/profile"
        app:layout_constraintEnd_toEndOf="@+id/name"
        app:layout_constraintHorizontal_bias="0.0"
        app:layout_constraintStart_toStartOf="@+id/name" />

    <View
        android:id="@+id/view4"
        android:layout_width="wrap_content"
        android:layout_height="3dp"
        android:layout_marginTop="15dp"
        android:background="@color/little_gray"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/profile" />

</androidx.constraintlayout.widget.ConstraintLayout>

</RelativeLayout>
```

Friends_rv_profile.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:background="@color/app">

    <com.makeramen.roundedimageview.RoundedImageView
        android:id="@+id/profile"
        android:layout_width="@dimen/_50mdp"
        android:layout_height="@dimen/_50mdp"
        android:layout_marginStart="20dp"
```

```
        android:scaleType="centerCrop"
        android:src="@drawable/profile_placeholder"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:riv_corner_radius="25dp" />

</androidx.constraintlayout.widget.ConstraintLayout>
```

Activity chats.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@color/app"
    tools:context=".ChatsActivity">
```

```
<TextView
    android:id="@+id/name"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginLeft="10dp"
    android:layout_marginTop="20dp"
    android:fontFamily="@font/poppins_medium"
    android:gravity="center_vertical"
    android:letterSpacing="0.07"
    android:text="iChat"
    android:textStyle="bold"
    android:textColor="@color/black"
    android:textSize="22dp"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />
```

```
<com.makeramen.roundedimageview.RoundedImageView
    android:id="@+id/profile"
    android:layout_width="50dp"
    android:layout_height="50dp"
    android:layout_marginRight="8dp"
    android:layout_marginBottom="12dp"
    android:padding="5dp"
    android:scaleType="centerCrop"
    android:src="@drawable/profile_placeholder"
    app:layout_constraintBottom_toBottomOf="@+id/name"
    app:layout_constraintRight_toRightOf="parent"
    app:layout_constraintTop_toTopOf="@+id/name"
    app:riv_corner_radius="50dp"
    tools:ignore="ImageContrastCheck" />

<com.devломи.circularstatusview.CircularStatusView
    android:id="@+id/cover"
    android:layout_width="0dp"
    android:layout_height="0dp"
    app:portion_width="@dimen/_2mdp"
    app:layout_constraintBottom_toBottomOf="@+id/profile"
    app:layout_constraintEnd_toEndOf="@+id/profile"
    app:layout_constraintStart_toStartOf="@+id/profile"
    app:layout_constraintTop_toTopOf="@+id/profile"
    app:portion_color="@color/teal_200"/>

<View
    android:id="@+id/view2"
    android:layout_width="0dp"
    android:layout_height="2dp"
    android:layout_marginTop="10dp"
    android:background="#59626E68"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/name" />

<androidx.core.widget.NestedScrollView
    android:id="@+id/scrollView3"
    android:layout_width="0dp"
    android:layout_height="0dp"
    android:scrollbars="none"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
```

```
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toBottomOf="@+id/view2">

<androidx.constraintlayout.widget.ConstraintLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content">

<TextView
    android:id="@+id/msg"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginLeft="10dp"
    android:layout_marginTop="16dp"
    android:fontFamily="@font/poppins_medium"
    android:gravity="center_vertical"
    android:text="Messages"
    android:textColor="@color/black"
    android:textSize="22dp"
    android:textStyle="bold"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />

<com.cooltechworks.views.shimmer.ShimmerRecyclerView
    android:id="@+id/chatsRV"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:padding="@dimen/_10mdp"
    android:paddingTop="0dp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/msg"
    app:shimmer_demo_child_count="10"
    app:shimmer_demo_layout="@layout/shimmer_friends" />
</androidx.constraintlayout.widget.ConstraintLayout>
</androidx.core.widget.NestedScrollView>

</androidx.constraintlayout.widget.ConstraintLayout>
```

Activity_message.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@color/app"
    tools:context=".MessageActivity">

    <View
        android:id="@+id/view14"
        android:layout_width="0dp"
        android:layout_height="70dp"
        android:background="@color/white"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <ImageView
        android:id="@+id/back"
        android:layout_width="@dimen/_20mdp"
        android:layout_height="@dimen/_20mdp"
        android:layout_marginLeft="15dp"
        android:src="@drawable/back"
        app:layout_constraintBottom_toBottomOf="@+id/view14"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="@+id/view14" />

    <com.makeramen.roundedimageview.RoundedImageView
        android:id="@+id/profile"
        android:layout_width="46dp"
        android:layout_height="46dp"
        android:layout_marginLeft="20dp"
        android:scaleType="centerCrop"
        android:src="@drawable/profile_placeholder"
        app:layout_constraintBottom_toBottomOf="@+id/back"
        app:layout_constraintStart_toEndOf="@+id/back"
```

```
    app:layout_constraintTop_toTopOf="@+id/back"
    app:riv_corner_radius="50dp" />
```

```
<TextView
    android:id="@+id/name"
    android:layout_width="wrap_content"
    android:layout_height="28dp"
    android:layout_marginStart="8dp"
    android:textColor="@color/black"
    android:textSize="18dp"
    app:layout_constraintBottom_toBottomOf="@+id/profile"
    app:layout_constraintStart_toEndOf="@+id/profile"
    app:layout_constraintTop_toTopOf="@+id/profile" />
```

```
<ImageView
    android:id="@+id/audio_call"
    android:layout_width="@dimen/_18mdp"
    android:layout_height="@dimen/_18mdp"
    android:layout_marginEnd="@dimen/_25mdp"
    android:src="@drawable/ic_audio_call"
    app:layout_constraintBottom_toBottomOf="@+id/name"
    app:layout_constraintEnd_toStartOf="@+id/video_call"
    app:layout_constraintTop_toTopOf="@+id/name" />
```

```
<ImageView
    android:id="@+id/video_call"
    android:layout_width="@dimen/_18mdp"
    android:layout_height="@dimen/_18mdp"
    android:layout_marginEnd="@dimen/_20mdp"
    android:src="@drawable/ic_video_call"
    app:layout_constraintBottom_toBottomOf="@+id/audio_call"
    app:layout_constraintEnd_toEndOf="@+id/view14"
    app:layout_constraintTop_toTopOf="@+id/audio_call" />
```

```
<View
    android:id="@+id/view2"
    android:layout_width="0dp"
    android:layout_height="2dp"
    android:layout_marginTop="10dp"
    android:background="#80626E68"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/profile" />
```

```
<EditText  
    android:id="@+id/get_message"  
    android:layout_width="323dp"  
    android:layout_height="50dp"  
    android:layout_marginStart="16dp"  
    android:layout_marginBottom="8dp"  
    android:background="@drawable/what_on_mind"  
    android:hint="Write a message..."  
    android:inputType="textMultiLine|textPersonName"  
    android:maxLines="2"  
    android:paddingStart="@dimen/_15mdp"  
    android:textColorHint="@color/gray"  
    app:layout_constraintBottom_toBottomOf="parent"  
    app:layout_constraintEnd_toStartOf="@+id/send"  
    app:layout_constraintHorizontal_bias="0.5"  
    app:layout_constraintStart_toStartOf="parent" />
```

```
<ImageView  
    android:id="@+id/send"  
    android:layout_width="30dp"  
    android:layout_height="35dp"  
    android:layout_marginStart="8dp"  
    android:layout_marginEnd="16dp"  
    app:layout_constraintBottom_toBottomOf="@+id/get_message"  
    app:layout_constraintEnd_toEndOf="parent"  
    app:layout_constraintStart_toEndOf="@+id/get_message"  
    app:layout_constraintTop_toTopOf="@+id/get_message"  
    app:srcCompat="@drawable/ic_send" />
```

```
<androidx.recyclerview.widget.RecyclerView  
    android:id="@+id/show_message_rv"  
    android:layout_width="0dp"  
    android:layout_height="0dp"  
    android:padding="10dp"  
    app:layout_constraintBottom_toTopOf="@+id/get_message"  
    app:layout_constraintEnd_toEndOf="parent"  
    app:layout_constraintHorizontal_bias="0.382"  
    app:layout_constraintStart_toStartOf="parent"  
    app:layout_constraintTop_toBottomOf="@+id/view2"  
    app:layout_constraintVertical_bias="0.0" />
```

```
</androidx.constraintlayout.widget.ConstraintLayout>
```

Message_receive.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:background="@color/app">

    <View
        android:id="@+id/view15"
        android:layout_width="0dp"
        android:background="@drawable/message_receive_dr"
        android:layout_height="0dp"
        app:layout_constraintBottom_toBottomOf="@+id/message_view"
        app:layout_constraintEnd_toEndOf="@+id/message_view"
        app:layout_constraintStart_toStartOf="@+id/message_view"
        app:layout_constraintTop_toTopOf="@+id/message_view" />

    <TextView
        android:id="@+id/message_view"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="16dp"
        android:gravity="center"
        android:padding="@dimen/_8mdp"
        android:textColor="@color/black"
        android:textSize="18dp"
        android:maxWidth="@dimen/_200mdp"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <ImageView
        android:id="@+id/feeling"
        android:layout_width="20dp"
```

```
    android:layout_height="20dp"
    android:layout_marginTop="-12dp"
    android:src="@drawable/ic_fb_love"
    android:visibility="gone"
    app:layout_constraintEnd_toEndOf="@+id/view15"
    app:layout_constraintTop_toBottomOf="@+id/view15" />

</androidx.constraintlayout.widget.ConstraintLayout>
```

Message_send.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:background="@color/app">

    <View
        android:id="@+id/view15"
        android:layout_width="0dp"
        android:layout_height="0dp"
        android:background="@drawable/message_send_dr"
        app:layout_constraintBottom_toBottomOf="@+id/message_view"
        app:layout_constraintEnd_toEndOf="@+id/message_view"
        app:layout_constraintStart_toStartOf="@+id/message_view"
        app:layout_constraintTop_toTopOf="@+id/message_view" />

    <TextView
        android:id="@+id/message_view"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="16dp"
        android:gravity="center"
        android:padding="@dimen/_8mdp"
        android:maxWidth="@dimen/_200mdp"
        android:textColor="@color/black"
        android:textSize="18dp"
```

```
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintTop_toTopOf="parent" />

<ImageView
    android:id="@+id/feeling"
    android:layout_width="20dp"
    android:layout_height="20dp"
    android:visibility="gone"
    android:src="@drawable/ic_fb_love"
    android:layout_marginTop="-12dp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/view15" />

</androidx.constraintlayout.widget.ConstraintLayout>
```

Chats rv.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/openMessage"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginBottom="16dp"
    android:background="@color/app">

    <com.makeramen.roundedimageview.RoundedImageView
        android:id="@+id/profile"
        android:layout_width="@dimen/_50mdp"
        android:layout_height="@dimen/_50mdp"
        android:padding="5dp"
        android:scaleType="centerCrop"
        android:src="@drawable/profile_placeholder"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:riv_corner_radius="50dp" />

    <View
        android:id="@+id/isOnline"
        android:layout_width="12dp"
```

```
    android:layout_height="12dp"
    android:layout_marginTop="32dp"
    android:visibility="gone"
    android:layout_marginEnd="7dp"
    android:background="@drawable/online"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="@+id/profile"
    app:layout_constraintTop_toTopOf="@+id/profile" />
```

```
<TextView
    android:id="@+id/name"
    android:layout_width="wrap_content"
    android:layout_height="20dp"
    android:layout_marginStart="8dp"
    android:layout_marginTop="@dimen/_9mdp"
    android:fontFamily="@font/poppins_medium"
    android:textColor="@color/black"
    android:textSize="15sp"
    app:layout_constraintStart_toEndOf="@+id/profile"
    app:layout_constraintTop_toTopOf="@+id/profile" />
```

```
<TextView
    android:id="@+id/lastMsg"
    android:layout_width="@dimen/_200mdp"
    android:layout_height="@dimen/_15mdp"
    android:fontFamily="@font/poppins_light"
    android:textColor="@color/black"
    android:textStyle="bold"
    android:textSize="12sp"
    android:layout_marginTop="3dp"
    app:layout_constraintBottom_toBottomOf="@+id/profile"
    app:layout_constraintStart_toStartOf="@+id/name"
    app:layout_constraintTop_toBottomOf="@+id/name"
    app:layout_constraintVertical_bias="0.0" />
```

```
<TextView
    android:id="@+id/MsgTime"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginEnd="5dp"
    android:fontFamily="@font/poppins_light"
    android:textColor="@color/black"
    android:textSize="13sp"
    android:textStyle="bold"
```

```
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintTop_toTopOf="parent" />

</androidx.constraintlayout.widget.ConstraintLayout>
```

Activity incoming call.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@color/white"
    tools:context=".OutgoingCallActivity">
```

```
<TextView
    android:id="@+id/type"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="26dp"
    android:layout_marginLeft="26dp"
    android:fontFamily="@font/poppins_light"
    android:text="Video call"
    android:textColor="@color/gray"
    android:textSize="23sp"
    android:textStyle="bold"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />
```

```
<com.makeramen.roundedimageview.RoundedImageView
    android:id="@+id/profile"
    android:layout_width="@dimen/_80mdp"
    android:layout_height="@dimen/_80mdp"
    android:layout_marginTop="100dp"
    android:scaleType="centerCrop"
    android:src="@drawable/profile_placeholder"
```

```
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/type"
    app:riv_border_color="@color/white"
    app:riv_border_width="4dp"
    app:riv_corner_radius="50dp" />
```

```
<TextView
    android:id="@+id/name"
    android:layout_width="wrap_content"
    android:layout_height="34dp"
    android:fontFamily="@font/poppins_medium"
    android:gravity="center"
    android:text="Shishir Bhusal"
    android:textColor="@color/black"
    android:textSize="28sp"
    android:layout_marginTop="12dp"
    app:layout_constraintEnd_toEndOf="@+id/profile"
    app:layout_constraintStart_toStartOf="@+id/profile"
    app:layout_constraintTop_toBottomOf="@+id/profile" />
```

```
<TextView
    android:id="@+id/profession"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:fontFamily="@font/poppins_light"
    android:gravity="center"
    android:layout_marginTop="5dp"
    android:text="Android Developer"
    android:textColor="@android:color/darker_gray"
    android:textSize="18sp"
    android:textStyle="bold"
    app:layout_constraintEnd_toEndOf="@+id/name"
    app:layout_constraintStart_toStartOf="@+id/name"
    app:layout_constraintTop_toBottomOf="@+id/name" />
```

```
<View
    android:id="@+id/view"
    android:layout_width="65dp"
    android:layout_height="65dp"
    android:backgroundTintMode="add"
    android:backgroundTint="#FD11FF00"
```

```
    android:background="@drawable/circle_color"
    app:layout_constraintBottom_toBottomOf="@+id/accept"
    app:layout_constraintEnd_toEndOf="@+id/accept"
    app:layout_constraintStart_toStartOf="@+id/accept"
    app:layout_constraintTop_toTopOf="@+id/accept" />

<ImageView
    android:id="@+id/accept"
    android:layout_width="@dimen/_23mdp"
    android:layout_height="@dimen/_28mdp"
    android:layout_marginTop="150dp"
    android:layout_marginLeft="50dp"
    android:src="@drawable/ic_audio_call"
    android:tint="@color/white"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/profession" />

<View
    android:id="@+id/view"
    android:layout_width="65dp"
    android:layout_height="65dp"
    android:backgroundTintMode="add"
    android:backgroundTint="#FDFF0008"
    android:background="@drawable/circle_color"
    app:layout_constraintBottom_toBottomOf="@+id/decline"
    app:layout_constraintEnd_toEndOf="@+id/decline"
    app:layout_constraintStart_toStartOf="@+id/decline"
    app:layout_constraintTop_toTopOf="@+id/decline" />

<ImageView
    android:id="@+id/decline"
    android:layout_width="@dimen/_23mdp"
    android:layout_height="@dimen/_28mdp"
    android:layout_marginTop="150dp"
    android:src="@drawable/ic_audio_call"
    android:tint="@color/white"
    android:layout_marginRight="50dp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/profession" />

</androidx.constraintlayout.widget.ConstraintLayout>
```

Activity_outgoing_call.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@color/white"
    tools:context=".OutgoingCallActivity">

    <TextView
        android:id="@+id/type"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="26dp"
        android:layout_marginLeft="26dp"
        android:fontFamily="@font/poppins_light"
        android:text="Video call"
        android:textColor="@color/gray"
        android:textSize="23sp"
        android:textStyle="bold"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <com.makeramen.roundedimageview.RoundedImageView
        android:id="@+id/profile"
        android:layout_width="@dimen/_80mdp"
        android:layout_height="@dimen/_80mdp"
        android:layout_marginTop="100dp"
        android:scaleType="centerCrop"
        android:src="@drawable/profile_placeholder"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/type"
        app:riv_border_color="@color/white"
        app:riv_border_width="4dp" />
```

```
    app:riv_corner_radius="50dp" />
```

```
<TextView  
    android:id="@+id/name"  
    android:layout_width="wrap_content"  
    android:layout_height="34dp"  
    android:fontFamily="@font/poppins_medium"  
    android:gravity="center"  
    android:text="Shishir Bhusal"  
    android:textColor="@color/black"  
    android:textSize="28sp"  
    android:layout_marginTop="12dp"  
    app:layout_constraintEnd_toEndOf="@+id/profile"  
    app:layout_constraintStart_toStartOf="@+id/profile"  
    app:layout_constraintTop_toBottomOf="@+id/profile" />
```

```
<TextView  
    android:id="@+id/profession"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:fontFamily="@font/poppins_light"  
    android:gravity="center"  
    android:layout_marginTop="5dp"  
    android:text="Android Developer"  
    android:textColor="@android:color/darker_gray"  
    android:textSize="18sp"  
    android:textStyle="bold"  
    app:layout_constraintEnd_toEndOf="@+id/name"  
    app:layout_constraintStart_toStartOf="@+id/name"  
    app:layout_constraintTop_toBottomOf="@+id/name" />
```

```
<TextView  
    android:id="@+id/contacting"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_marginTop="10dp"  
    android:fontFamily="@font/poppins_light"  
    android:gravity="center"  
    android:letterSpacing="0.1"  
    android:text="Connecting..."  
    android:textColor="@color/pink"  
    android:textSize="18sp"
```

```
        android:textStyle="bold"
        app:layout_constraintEnd_toEndOf="@+id/profession"
        app:layout_constraintStart_toStartOf="@+id/profession"
        app:layout_constraintTop_toBottomOf="@+id/profession" />

<View
    android:id="@+id/view"
    android:layout_width="65dp"
    android:layout_height="65dp"
    android:backgroundTintMode="add"
    android:backgroundTint="#FDFF0008"
    android:background="@drawable/circle_color"
    app:layout_constraintBottom_toBottomOf="@+id/decline"
    app:layout_constraintEnd_toEndOf="@+id/decline"
    app:layout_constraintStart_toStartOf="@+id/decline"
    app:layout_constraintTop_toTopOf="@+id/decline" />

<ImageView
    android:id="@+id/decline"
    android:layout_width="@dimen/_23mdp"
    android:layout_height="@dimen/_28mdp"
    android:src="@drawable/ic_audio_call"
    android:tint="@color/white"
    android:layout_marginTop="150dp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/contacting" />

</androidx.constraintlayout.widget.ConstraintLayout>
```

Java

ADAPTERS

chatsAdapter.java

```
package com.example.iconnect.Adapters;

import android.content.Intent;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.Button;
import android.widget.ImageView;
import android.widget.TextView;
import android.widget.Toast;

import androidx.annotation.NonNull;
import androidx.constraintlayout.widget.ConstraintLayout;
import androidx.recyclerview.widget.RecyclerView;

import com.example.iconnect.MessageActivity;
import com.example.iconnect.R;
import com.example.iconnect.models.Follow;
import com.example.iconnect.models.Notification;
import com.example.iconnect.models.User;
import com.google.android.gms.tasks.OnSuccessListener;
import com.google.firebase.auth.FirebaseAuth;
import com.google.firebaseio.database.DataSnapshot;
import com.google.firebaseio.database.DatabaseError;
import com.google.firebaseio.database.DatabaseReference;
import com.google.firebaseio.database.FirebaseDatabase;
import com.google.firebaseio.database.ValueEventListener;
import com.squareup.picasso.Picasso;

import java.text.SimpleDateFormat;
import java.util.ArrayList;
```

```
import java.util.Date;

public class chatsAdapter extends RecyclerView.Adapter<chatsAdapter.ViewHolder> {

    public chatsAdapter(ArrayList<User> list) {
        this.list = list;
    }

    ArrayList<User> list;
    TextView username,lastMsg,MsgTime;
    ImageView profile;
    View isOnline;
    ConstraintLayout openMessage;

    public static class ViewHolder extends RecyclerView.ViewHolder {

        public ViewHolder(View view) {
            super(view);

        }
    }

    @NonNull
    @Override
    public ViewHolder onCreateViewHolder(ViewGroup viewGroup, int viewType) {
        View view = LayoutInflater.from(viewGroup.getContext())
                .inflate(R.layout.chats_rv, viewGroup, false);
        username = (TextView) view.findViewById(R.id.name);
        profile = view.findViewById(R.id.profile);
        lastMsg = view.findViewById(R.id.lastMsg);
        openMessage = view.findViewById(R.id.openMessage);
        MsgTime = view.findViewById(R.id.MsgTime);
        isOnline = view.findViewById(R.id.isOnline);
        return new ViewHolder(view);
    }

    @Override
    public void onBindViewHolder(ViewHolder viewHolder, final int position) {

        User user = list.get(position);
        String sendGroup = FirebaseAuth.getInstance().getUid() + user.getUserId();

        FirebaseDatabase.getInstance().getReference().child("chats").child(sendGroup).addValueEventListener(new ValueEventListener() {


```

```
@Override
public void onDataChange(@NonNull DataSnapshot snapshot) {
    lastMsg = viewHolder.itemView.findViewById(R.id.lastMsg);
    MsgTime = viewHolder.itemView.findViewById(R.id.MsgTime);
    username = (TextView) viewHolder.itemView.findViewById(R.id.name);

    if (snapshot.exists()) {
        String LastMessage = snapshot.child("lastMsg").getValue(String.class);
        long messageTime = snapshot.child("timestamp").getValue(Long.class);
        SimpleDateFormat dateFormat = new SimpleDateFormat("hh:mm a");
        lastMsg.setText(LastMessage);
        MsgTime.setText(dateFormat.format(new Date(messageTime)));
    }
    else{
        lastMsg.setText("Tap to chat");
        MsgTime.setText("");
    }
}

@Override
public void onCancelled(@NonNull DatabaseError error) {

}

});
Picasso.get()
    .load(user.getProfile())
    .placeholder(R.drawable.profile_placeholder)
    .into(profile);
username.setText(user.getName());
if (user.isOnline()){
    isOnline.setVisibility(View.VISIBLE);
}

DatabaseReference reference =
FirebaseDatabase.getInstance().getReference().child("chats").child(FirebaseAuth.getInstance().getUi
d()+user.getUserId());

reference.addValueEventListener(new ValueEventListener() {
    @Override
    public void onDataChange(@NonNull DataSnapshot snapshot) {
        if (snapshot.hasChild("checkOpen")) {
            lastMsg = viewHolder.itemView.findViewById(R.id.lastMsg);
            MsgTime = viewHolder.itemView.findViewById(R.id.MsgTime);
            boolean checkOpen = snapshot.child("checkOpen").getValue(boolean.class);
```

```
        if (checkOpen) {  
  
            username.setTextColor(viewHolder.itemView.getContext().getResources().getColor(R.color.gray));  
  
            lastMsg.setTextColor(viewHolder.itemView.getContext().getResources().getColor(R.color.gray));  
  
            MsgTime.setTextColor(viewHolder.itemView.getContext().getResources().getColor(R.color.gray));  
        } else {  
            }  
        }  
    }  
    @Override  
    public void onCancelled(@NonNull DatabaseError error) {  
  
    }  
});  
  
openMessage.setOnClickListener(new View.OnClickListener() {  
    @Override  
    public void onClick(View view) {  
        reference.child("checkOpen").setValue(true);  
  
        username.setTextColor(viewHolder.itemView.getContext().getResources().getColor(R.color.gray));  
  
        lastMsg.setTextColor(viewHolder.itemView.getContext().getResources().getColor(R.color.gray));  
  
        MsgTime.setTextColor(viewHolder.itemView.getContext().getResources().getColor(R.color.gray));  
        Intent intent = new Intent(view.getContext(), MessageActivity.class);  
        intent.putExtra("userId", user.getUserId());  
        view.getContext().startActivity(intent);  
    }  
});  
  
}  
  
@Override  
public int getItemCount() {  
    return list.size();  
}  
}
```

commentsAdapter.java

```
package com.example.iconnect.Adapters;

import android.text.Html;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.ImageView;
import android.widget.TextView;

import androidx.annotation.NonNull;
import androidx.recyclerview.widget.RecyclerView;

import com.example.iconnect.R;
import com.example.iconnect.models.Comment;
import com.example.iconnect.models.User;
import com.google.firebaseio.database.DataSnapshot;
import com.google.firebaseio.database.DatabaseError;
import com.google.firebaseio.database.FirebaseDatabase;
import com.google.firebaseio.database.ValueEventListener;
import com.squareup.picasso.Picasso;

import java.util.ArrayList;

public class commentsAdapter extends RecyclerView.Adapter<commentsAdapter.ViewHolder> {

    public commentsAdapter(ArrayList<Comment> list) {
        this.list = list;
    }

    ArrayList<Comment> list;
    TextView commentBody;
    ImageView profile;

    public static class ViewHolder extends RecyclerView.ViewHolder {

        public ViewHolder(View view) {
```

```
super(view);

        }

    }

// Create new views (invoked by the layout manager)
@NonNull
@Override
public ViewHolder onCreateViewHolder(ViewGroup viewGroup, int viewType) {
    View view = LayoutInflater.from(viewGroup.getContext())
        .inflate(R.layout.comments_rv, viewGroup, false);
    commentBody = view.findViewById(R.id.commentBody);
    profile = view.findViewById(R.id.profile);
    return new ViewHolder(view);
}

@Override
public void onBindViewHolder(ViewHolder viewHolder, final int position) {

    Comment comment = list.get(position);
    commentBody.setText(comment.getCommentBody());

    FirebaseDatabase.getInstance().getReference().child("Users").child(comment.getCommentedBy()).ad
    dListenerForSingleValueEvent(new ValueEventListener() {
        @Override
        public void onDataChange(@NonNull DataSnapshot snapshot) {
            commentBody = viewHolder.itemView.findViewById(R.id.commentBody);
            User user = snapshot.getValue(User.class);
            Picasso.get()
                .load(user.getProfile())
                .placeholder(R.drawable.profile_placeholder)
                .into(profile);
            commentBody.setText(Html.fromHtml("<b>" + user.getName() + "</b> " +
comment.getCommentBody() ));
        }
    }

    @Override
    public void onCancelled(@NonNull DatabaseError error) {
        }
    });
}
```

```
@Override  
public int getItemCount() {  
    return list.size();  
}  
}
```

followerAdapter.java

```
package com.example.ICONNECT.Adapters;  
  
import android.view.LayoutInflater;  
import android.view.View;  
import android.view.ViewGroup;  
import android.widget.ImageView;  
  
import androidx.annotation.NonNull;  
import androidx.recyclerview.widget.RecyclerView;  
  
import com.example.ICONNECT.R;  
import com.example.ICONNECT.models.Follow;  
import com.example.ICONNECT.models.User;  
import com.google.firebase.database.DataSnapshot;  
import com.google.firebase.database.DatabaseError;  
import com.google.firebase.database.FirebaseDatabase;  
import com.google.firebase.database.ValueEventListener;  
import com.squareup.picasso.Picasso;  
  
import java.util.ArrayList;  
  
public class followerAdapter extends RecyclerView.Adapter<followerAdapter.ViewHolder> {  
  
    public followerAdapter(ArrayList<Follow> list) {  
        this.list = list;  
    }  
  
    ArrayList<Follow> list;  
    ImageView profile;  
  
    public static class ViewHolder extends RecyclerView.ViewHolder {
```

```
public ViewHolder(View view) {
    super(view);

}

}

@NonNull
@Override
public ViewHolder onCreateViewHolder(ViewGroup viewGroup, int viewType) {
    View view = LayoutInflater.from(viewGroup.getContext())
        .inflate(R.layout.friends_rv_p, viewGroup, false);
    return new ViewHolder(view);
}

@Override
public void onBindViewHolder(ViewHolder viewHolder, final int position) {

    Follow follow = list.get(position);

    FirebaseDatabase.getInstance().getReference().child("Users").child(follow.getFollowedBy()).addList
    enerForSingleValueEvent(new ValueEventListener() {
        @Override
        public void onDataChange(@NonNull DataSnapshot snapshot) {
            profile = viewHolder.itemView.findViewById(R.id.profile);
            User user = snapshot.getValue(User.class);
            Picasso.get()
                .load(user.getProfile())
                .placeholder(R.drawable.profile_placeholder)
                .into(profile);
        }

        @Override
        public void onCancelled(@NonNull DatabaseError error) {
            }
        });
    }

    @Override
    public int getItemCount() {
        return list.size();
    }
}
```

friendsAdapter.java

```
package com.example.iconnect.Adapters;

import android.content.Intent;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.Button;
import android.widget.ImageView;
import android.widget.TextView;
import android.widget.Toast;

import androidx.annotation.NonNull;
import androidx.recyclerview.widget.RecyclerView;

import com.example.iconnect.MessageActivity;
import com.example.iconnect.R;
import com.example.iconnect.models.Notification;
import com.example.iconnect.models.User;
import com.example.iconnect.models.Follow;
import com.google.android.gms.tasks.OnCompleteListener;
import com.google.android.gms.tasks.OnSuccessListener;
import com.google.android.gms.tasks.Task;
import com.google.firebase.auth.FirebaseAuth;
import com.google.firebaseio.database.DataSnapshot;
import com.google.firebaseio.database.DatabaseError;
import com.google.firebaseio.database.FirebaseDatabase;
import com.google.firebaseio.database.ValueEventListener;
import com.squareup.picasso.Picasso;

import java.util.ArrayList;
import java.util.Date;
import java.util.HashMap;

public class friendsAdapter extends RecyclerView.Adapter<friendsAdapter.ViewHolder> {

    public friendsAdapter(ArrayList<User> list) {
        this.list = list;
```

```
}

ArrayList<User> list;
TextView username,profession;
ImageView profile,chats;
Button followBTN;

public static class ViewHolder extends RecyclerView.ViewHolder {

    public ViewHolder(View view) {
        super(view);

    }
}

@NonNull
@Override
public ViewHolder onCreateViewHolder(ViewGroup viewGroup, int viewType) {
    View view = LayoutInflater.from(viewGroup.getContext())
        .inflate(R.layout.friends_rv, viewGroup, false);
    username = (TextView) view.findViewById(R.id.name);
    profile = view.findViewById(R.id.profile);
    profession = view.findViewById(R.id.profession);
    chats = view.findViewById(R.id.chats);
    return new ViewHolder(view);
}

@Override
public void onBindViewHolder(ViewHolder viewHolder, final int position) {

    followBTN = viewHolder.itemView.findViewById(R.id.followBtn);

    User user = list.get(position);
    Picasso.get()
        .load(user.getProfile())
        .placeholder(R.drawable.profile_placeholder)
        .into(profile);
    username.setText(user.getName());
    profession.setText(user.getProfession());

    String sendGroup = FirebaseAuth.getInstance().getUid() + user.getUserId();
}
```

```
String receiveGroup = user.getUserId() + FirebaseAuth.getInstance().getUid();  
  
FirebaseDatabase.getInstance().getReference().child("Users").child(user.getUserId()).child("followers").child(FirebaseAuth.getInstance().getUid()).addValueEventListener(new ValueEventListener() {  
    @Override  
    public void onDataChange(@NonNull DataSnapshot snapshot) {  
        chats = viewHolder.itemView.findViewById(R.id.chats);  
  
        followBTN = viewHolder.itemView.findViewById(R.id.followBtn);  
        if (snapshot.exists()) {  
  
            followBTN.setBackground(viewHolder.itemView.getContext().getResources().getDrawable(R.drawable.color_cover));  
  
            followBTN.setTextColor(viewHolder.itemView.getContext().getResources().getColor(R.color.gray));  
            ;  
            followBTN.setText("Following");  
            followBTN.setEnabled(false);  
            chats.setVisibility(View.VISIBLE);  
        }  
        else {  
            followBTN.setOnClickListener(new View.OnClickListener() {  
                @Override  
                public void onClick(View view) {  
                    Follow follow = new Follow();  
                    follow.setFollowedBy(FirebaseAuth.getInstance().getUid());  
                    follow.setFollowedAt(new Date().getTime());  
  
                    FirebaseDatabase.getInstance().getReference().child("Users").child(user.getUserId()).child("followers")  
                            .child(FirebaseAuth.getInstance().getUid()).setValue(follow).addOnSuccessListener(new OnSuccessListener<Void>() {  
                                @Override  
                                public void onSuccess(Void unused) {  
  
                                    FirebaseDatabase.getInstance().getReference().child("Users").child(user.getUserId())  
                                            .child("followers_count").setValue(user.getFollowers_count() + 1)  
                                            .addOnSuccessListener(new OnSuccessListener<Void>() {  
                                                @Override  
                                                public void onSuccess(Void unused) {  
                                            }  
                                        }  
                                }  
                            }  
                        }  
                    }  
                }  
            }  
        }  
    }  
});
```

```
        Toast.makeText(view.getContext(), "started following" +  
user.getName(), Toast.LENGTH_SHORT).show();  
        followBTN =  
viewHolder.itemView.findViewById(R.id.followBtn);  
  
followBTN.setBackground(viewHolder.itemView.getContext().getResources().getDrawable(R.drawable.color_cover));  
  
followBTN.setTextColor(viewHolder.itemView.getContext().getResources().getColor(R.color.gray))  
;  
        followBTN.setText("Following");  
        followBTN.setEnabled(false);  
        chats.setVisibility(View.VISIBLE);  
  
FirebaseDatabase.getInstance().getReference().child("chats").child(sendGroup);  
  
FirebaseDatabase.getInstance().getReference().child("chats").child(receiveGroup);  
  
        HashMap<String, Object> lastMsgObj_Sender = new  
HashMap<>();  
        lastMsgObj_Sender.put("timestamp",new Date().getTime());  
        lastMsgObj_Sender.put("messageFor",user.getUserId());  
        lastMsgObj_Sender.put("lastMsg","Tap to chat");  
  
        HashMap<String, Object> lastMsgObj_Reciever = new  
HashMap<>();  
        lastMsgObj_Reciever.put("timestamp",new Date().getTime());  
  
lastMsgObj_Reciever.put("messageFor",FirebaseAuth.getInstance().getUid());  
        lastMsgObj_Reciever.put("lastMsg","Tap to chat");  
  
FirebaseDatabase.getInstance().getReference().child("chats").child(sendGroup).updateChildren(last  
MsgObj_Sender);  
  
FirebaseDatabase.getInstance().getReference().child("chats").child(receiveGroup).updateChildren(las  
tMsgObj_Reciever);  
  
        Notification notification = new Notification();  
  
notification.setNotificationBy(FirebaseAuth.getInstance().getUid());  
        notification.setNotificationAt(new Date().getTime());
```



```
chats.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        Intent intent = new Intent(view.getContext(), MessageActivity.class);
        intent.putExtra("userId", user.getUserId());
        view.getContext().startActivity(intent);
    }
});

}

@Override
public int getItemCount() {
    return list.size();
}
})
```

messageAdapter.java

```
package com.example.iconnect.Adapters;

import android.view.LayoutInflater;
import android.view.MotionEvent;
import android.view.View;
import android.view.ViewGroup;
import android.widget.ImageView;
import android.widget.TextView;

import androidx.annotation.NonNull;
import androidx.recyclerview.widget.RecyclerView;

import com.example.iconnect.R;
import com.example.iconnect.models.message;
import com.github.pgreze.reactions.ReactionPopup;
import com.github.pgreze.reactions.ReactionsConfig;
import com.github.pgreze.reactions.ReactionsConfigBuilder;
import com.google.firebase.auth.FirebaseAuth;
import com.google.firebaseio.database.FirebaseDatabase;

import java.util.ArrayList;
```

```
public class messageAdapter extends RecyclerView.Adapter<RecyclerView.ViewHolder> {  
    String senderGroup,receiverGroup;  
    ArrayList<message> list;  
  
    public messageAdapter(String senderGroup, String receiverGroup, ArrayList<message> list) {  
        this.senderGroup = senderGroup;  
        this.receiverGroup = receiverGroup;  
        this.list = list;  
    }  
  
    final int MESSAGE_SENT=0;  
    final int MESSAGE_RECEIVE = 1;  
  
    @NonNull  
    @Override  
    public RecyclerView.ViewHolder onCreateViewHolder(ViewGroup viewGroup, int viewType) {  
        if (viewType == MESSAGE_SENT){  
            View view = LayoutInflater.from(viewGroup.getContext())  
                .inflate(R.layout.message_send, viewGroup, false);  
            return new senderViewHolder(view);  
        }  
        else{  
            View view = LayoutInflater.from(viewGroup.getContext())  
                .inflate(R.layout.message_receive, viewGroup, false);  
            return new receiverViewHolder(view);  
        }  
    }  
    int reactions[] = new int[]{  
        R.drawable.ic_fb_like,  
        R.drawable.ic_fb_love,  
        R.drawable.ic_fb_laugh,  
        R.drawable.ic_fb_wow,  
        R.drawable.ic_fb_sad,  
        R.drawable.ic_fb_angry  
    };  
  
    @Override  
    public void onBindViewHolder(RecyclerView.ViewHolder viewHolder, final int position) {
```

```
message message1 = list.get(position);
ReactionsConfig config = new ReactionsConfigBuilder(viewHolder.itemView.getContext()
    .withReactions(reactions)
    .build();

    ReactionPopup popup = new ReactionPopup(viewHolder.itemView.getContext(), config, (pos) -
> {

    if (viewHolder.getClass() == senderViewHolder.class){
        senderViewHolder viewHolder1 = (senderViewHolder) viewHolder;
        viewHolder1.feeling.setImageResource(reactions[pos]);
        viewHolder1.feeling.setVisibility(View.VISIBLE);
    }

    else{
        receiverViewHolder viewHolder1 = (receiverViewHolder) viewHolder;
        viewHolder1.feeling.setImageResource(reactions[pos]);
        viewHolder1.feeling.setVisibility(View.VISIBLE);
    }

    message1.setFeeling(pos);

    FirebaseDatabase.getInstance().getReference().child("chats").child(senderGroup).child("messages").c
hild(message1.getMessageId()).setValue(message1);

    FirebaseDatabase.getInstance().getReference().child("chats").child(receiverGroup).child("messages")
    .child(message1.getMessageId()).setValue(message1);
    return true; // true is closing popup, false is requesting a new selection
});

if (viewHolder.getClass() == senderViewHolder.class){
    senderViewHolder viewHolder1 = (senderViewHolder) viewHolder;
    viewHolder1.message.setText(message1.getMessageBody());
    if (message1.getFeeling() >= 0){
        viewHolder1.feeling.setImageResource(reactions[(int) message1.getFeeling()]);
        viewHolder1.feeling.setVisibility(View.VISIBLE);
    }else{
        viewHolder1.feeling.setVisibility(View.GONE);
    }

    viewHolder1.message.setOnTouchListener(new View.OnTouchListener() {
        @Override
        public boolean onTouch(View view, MotionEvent motionEvent) {
            popup.onTouch(view, motionEvent);
            return false;
        }
    });
}
```

```
        }
    });
}
else{
    receiverViewHolder viewHolder1 = (receiverViewHolder) viewHolder;
    viewHolder1.message.setText(message1.getMessageBody());

    if (message1.getFeeling()>=0){
        viewHolder1.feeling.setImageResource(reactions[(int) message1.getFeeling()]);
        viewHolder1.feeling.setVisibility(View.VISIBLE);
    }else{
        viewHolder1.feeling.setVisibility(View.GONE);
    }

    viewHolder1.message.setOnTouchListener(new View.OnTouchListener() {
        @Override
        public boolean onTouch(View view, MotionEvent motionEvent) {
            popup.onTouch(view,motionEvent);
            return false;
        }
    });
}
}

@Override
public int getItemViewType(int position) {
    message msg = list.get(position);
    if (FirebaseAuth.getInstance().getUid().equals(msg.getMessageBy())){
        return MESSAGE_SENT;
    }
    else{
        return MESSAGE_RECEIVE;
    }
}

@Override
public int getItemCount() {
    return list.size();
}

class senderViewHolder extends RecyclerView.ViewHolder{
    TextView message;
    ImageView feeling;
```

```
public senderViewHolder(@NonNull View itemView) {
    super(itemView);
    message = itemView.findViewById(R.id.message_view);
    feeling = itemView.findViewById(R.id.feeling);
}
}

class receiverViewHolder extends RecyclerView.ViewHolder{
    TextView message;
    ImageView feeling;

    public receiverViewHolder(@NonNull View itemView) {
        super(itemView);
        message = itemView.findViewById(R.id.message_view);
        feeling = itemView.findViewById(R.id.feeling);
    }
}
```

notificationAdapter

```
package com.example.ICONNECT.Adapters;

import android.content.Intent;
import android.graphics.Color;
import android.text.Html;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.ImageView;
import android.widget.TextView;

import androidx.annotation.NonNull;
import androidx.constraintlayout.widget.ConstraintLayout;
import androidx.recyclerview.widget.RecyclerView;

import com.example.ICONNECT.CommentActivity;
import com.example.ICONNECT.R;
import com.example.ICONNECT.models.Notification;
import com.example.ICONNECT.models.User;
import com.github.marlonlom.utilities.timeago.TimeAgo;
```

```
import com.google.firebaseio.database.DataSnapshot;
import com.google.firebaseio.database.DatabaseError;
import com.google.firebaseio.database.FirebaseDatabase;
import com.google.firebaseio.database.ValueEventListener;
import com.squareup.picasso.Picasso;

import java.util.ArrayList;

public class notificationAdapter extends RecyclerView.Adapter<notificationAdapter.ViewHolder> {

    public notificationAdapter(ArrayList<Notification> list) {
        this.list = list;
    }

    ArrayList<Notification> list;
    TextView notification_time,message;
    ImageView profile;
    ConstraintLayout openNotification;

    /**
     * Provide a reference to the type of views that you are using
     * (custom ViewHolder).
     */
    public static class ViewHolder extends RecyclerView.ViewHolder {

        public ViewHolder(View view) {
            super(view);
            // Define click listener for the ViewHolder's View

        }
    }

    // Create new views (invoked by the layout manager)
    @NonNull
    @Override
    public ViewHolder onCreateViewHolder(ViewGroup viewGroup, int viewType) {
        // Create a new view, which defines the UI of the list item
        View view = LayoutInflater.from(viewGroup.getContext())
                .inflate(R.layout.notification_rv, viewGroup, false);
        notification_time = (TextView) view.findViewById(R.id.time);
        profile = view.findViewById(R.id.profile);
        message = view.findViewById(R.id.name);
        openNotification = view.findViewById(R.id.openNotification);
    }

    @Override
    public void onBindViewHolder(ViewHolder viewHolder, int i) {
        Notification notification = list.get(i);
        viewHolder.notification_time.setText(notification.time);
        viewHolder.message.setText(notification.message);
        Picasso.get().load(notification.profile).into(viewHolder.profile);
    }

    @Override
    public int getItemCount() {
        return list.size();
    }
}
```

```
        return new ViewHolder(view);
    }

    // Replace the contents of a view (invoked by the layout manager)
    @Override
    public void onBindViewHolder(ViewHolder viewHolder, final int position) {

        // Get element from your dataset at this position and replace the
        // contents of the view with that element
        Notification model = list.get(position);

        FirebaseDatabase.getInstance().getReference().child("Users").child(model.getNotificationBy())
            .addSingleValueEvent(new ValueEventListener() {
                @Override
                public void onDataChange(@NonNull DataSnapshot snapshot) {
                    notification_time = (TextView) viewHolder.itemView.findViewById(R.id.time);
                    profile = viewHolder.itemView.findViewById(R.id.profile);
                    message = viewHolder.itemView.findViewById(R.id.name);
                    openNotification = viewHolder.itemView.findViewById(R.id.openNotification);
                    if (snapshot.exists()) {
                        message = viewHolder.itemView.findViewById(R.id.name);
                        notification_time = viewHolder.itemView.findViewById(R.id.time);
                        User user = snapshot.getValue(User.class);

                        Picasso.get()
                            .load(user.getProfile())
                            .placeholder(R.drawable.profile_placeholder)
                            .into(profile);
                        String time = TimeAgo.using(model.getNotificationAt());
                        notification_time.setText(time);

                        if (model.getType().equals("like")){
                            message.setText(Html.fromHtml("<b>" + user.getName() + "</b> " + "liked
your post"));
                        } else if (model.getType().equals("comment")){
                            message.setText(Html.fromHtml("<b>" + user.getName() + "</b> " +
"commented on your post"));
                        } else{
                            message.setText(Html.fromHtml("<b>" + user.getName() + "</b> " + "started
following you"));
                        }
                    }
                }
            })
    }
}
```

```
    @Override
    public void onCancelled(@NonNull DatabaseError error) {

        }
    });
openNotification.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        if (!model.getType().equals("follow")) {

FirebaseDatabase.getInstance().getReference().child("notification").child(model.getPostedBy()).child
(model.getNotificationId()).child("checkOpen").setValue(true);

openNotification.setBackgroundColor(viewHolder.itemView.getContext().getResources().getColor(
R.color.white));
        Intent intent = new Intent(view.getContext(), CommentActivity.class);
        intent.putExtra("postId", model.getPostId());
        intent.putExtra("postedBy", model.getPostedBy());
        intent.setFlags(Intent.FLAG_ACTIVITY_NEW_TASK);
        view.getContext().startActivity(intent);
    }
}
});
Boolean checkOpen = model.isCheckOpen();
if (checkOpen){

openNotification.setBackgroundColor(viewHolder.itemView.getContext().getResources().getColor(
R.color.white));

}else{ }
}

// Return the size of your dataset (invoked by the layout manager)
@Override
public int getItemCount() {
    return list.size();
}
}
```

postAdapter

```
package com.example.iconnect.Adapters;

import android.content.Intent;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.ImageView;
import android.widget.TextView;

import androidx.annotation.NonNull;
import androidx.recyclerview.widget.RecyclerView;

import com.example.iconnect.CommentActivity;
import com.example.iconnect.R;
import com.example.iconnect.models.Notification;
import com.example.iconnect.models.User;
import com.example.iconnect.models.Post;
import com.google.android.gms.tasks.OnSuccessListener;
import com.google.firebase.auth.FirebaseAuth;
import com.google.firebase.database.DataSnapshot;
import com.google.firebase.database.DatabaseError;
import com.google.firebase.database.FirebaseDatabase;
import com.google.firebase.database.ValueEventListener;
import com.squareup.picasso.Picasso;

import java.util.ArrayList;
import java.util.Date;

public class postAdapter extends RecyclerView.Adapter<postAdapter.ViewHolder> {

    public postAdapter(ArrayList<Post> list) {
        this.list = list;
    }

    ArrayList<Post> list;
    TextView username,profession,about_post,likes,comments,shares;
    ImageView postImg,profile;
```



```
        likes.setCompoundDrawablesWithIntrinsicBounds(R.drawable.ic_like_active,0,0,0);
    }
    else {
        likes.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {

FirebaseDatabase.getInstance().getReference().child("posts").child(model.getPostId())

.child("likes").child(FirebaseAuth.getInstance().getUid()).setValue(true).addOnSuccessListener(new
OnSuccessListener<Void>() {
            @Override
            public void onSuccess(Void unused) {
                FirebaseDatabase.getInstance().getReference().child("posts")

.child(model.getPostId()).child("postLikes").setValue(model.getPostLikes()+1).addOnSuccessListener(new OnSuccessListener<Void>() {
            @Override
            public void onSuccess(Void unused) {

likes.setCompoundDrawablesWithIntrinsicBounds(R.drawable.ic_like_active,0,0,0);

Notification notification = new Notification();

notification.setNotificationBy(FirebaseAuth.getInstance().getUid());
            notification.setNotificationAt(new Date().getTime());
            notification.setPostId(model.getPostId());
            notification.setPostedBy(model.getPostedBy());
            notification.setType("like");

FirebaseDatabase.getInstance().getReference().child("notification")

.child(model.getPostedBy()).push().setValue(notification);
            }
        });
    });
}
});
}

@Override
```

```
public void onCancelled(@NonNull DatabaseError error) {  
    }  
});  
  
FirebaseDatabase.getInstance().getReference().child("Users").child(model.getPostedBy()).addValueEventLister(new ValueEventListener() {  
    @Override  
    public void onDataChange(@NonNull DataSnapshot snapshot) {  
  
        username = (TextView) viewHolder.itemView.findViewById(R.id.name);  
        profession = viewHolder.itemView.findViewById(R.id.profession);  
        profile = viewHolder.itemView.findViewById(R.id.profile);  
  
        User user = snapshot.getValue(User.class);  
        Picasso.get()  
            .load(user.getProfile())  
            .placeholder(R.drawable.profile_placeholder)  
            .into(profile);  
        username.setText(user.getName());  
        profession.setText(user.getProfession());  
    }  
  
    @Override  
    public void onCancelled(@NonNull DatabaseError error) {  
    }  
});  
  
comments.setOnClickListener(new View.OnClickListener() {  
    @Override  
    public void onClick(View view) {  
        Intent intent = new Intent(view.getContext(), CommentActivity.class);  
        intent.putExtra("postId",model.getPostId());  
        intent.putExtra("postedBy",model.getPostedBy());  
        intent.setFlags(Intent.FLAG_ACTIVITY_NEW_TASK);  
        view.getContext().startActivity(intent);  
    }  
});  
  
}  
  
@Override
```

```
public int getItemCount() {  
    return list.size();  
}  
}
```

storyAdapter.java

```
package com.example.iconnect.Adapters;  
  
import android.app.AlertDialog;  
import android.view.LayoutInflater;  
import android.view.View;  
import android.view.ViewGroup;  
import android.widget.ImageView;  
import android.widget.TextView;  
  
import androidx.annotation.NonNull;  
import androidx.appcompat.app.AppCompatActivity;  
import androidx.recyclerview.widget.RecyclerView;  
  
import com.devlomi.circularstatusview.CircularStatusView;  
import com.example.iconnect.R;  
import com.example.iconnect.models.User;  
import com.example.iconnect.models.Userstory;  
import com.example.iconnect.models.Story;  
import com.google.firebaseio.database.DataSnapshot;  
import com.google.firebaseio.database.DatabaseError;  
import com.google.firebaseio.database.FirebaseDatabase;  
import com.google.firebaseio.database.ValueEventListener;  
import com.squareup.picasso.Picasso;  
  
import java.util.ArrayList;  
  
import omari.hamza.storyview.StoryView;  
import omari.hamza.storyview.callback.StoryClickListeners;  
import omari.hamza.storyview.model.MyStory;  
  
public class storyAdapter extends RecyclerView.Adapter<storyAdapter.ViewHolder> {
```

```
public StoryAdapter(ArrayList<Story> list) {
    this.list = list;
}

ArrayList<Story> list;
TextView username;
ImageView story,profile;
CircularStatusView circularStatusView;
ProgressDialog dialog;

public static class ViewHolder extends RecyclerView.ViewHolder {

    public ViewHolder(View view) {
        super(view);

    }

}

@NonNull
@Override
public ViewHolder onCreateViewHolder(ViewGroup viewGroup, int viewType) {
    View view = LayoutInflater.from(viewGroup.getContext())
        .inflate(R.layout.story_rv, viewGroup, false);
    username = (TextView) view.findViewById(R.id.username);
    story = view.findViewById(R.id.storyImg);
    profile = view.findViewById(R.id.profile);
    circularStatusView = view.findViewById(R.id.status_circle);

    return new ViewHolder(view);
}

@Override
public void onBindViewHolder(ViewHolder viewHolder, final int position) {

    Story storyModel = list.get(position);

    if (storyModel.getUserstories().size() > 0) {
        Userstory laststory = storyModel.getUserstories().get(storyModel.getUserstories().size() - 1);
        Picasso.get()
            .load(laststory.getImage())
    }
}
```

```
.into(story);
circularStatusView.setPortionsCount(storyModel.getUserstories().size());

FirebaseDatabase.getInstance().getReference().child("Users").child(storyModel.getStoryBy()).addValueEventListener(new ValueEventListener() {
    @Override
    public void onDataChange(@NonNull DataSnapshot snapshot) {
        username = (TextView) viewHolder.itemView.findViewById(R.id.username);
        profile = viewHolder.itemView.findViewById(R.id.profile);
        story = viewHolder.itemView.findViewById(R.id.storyImg);

        User user = snapshot.getValue(User.class);
        Picasso.get()
            .load(user.getProfile())
            .placeholder(R.drawable.profile_placeholder)
            .into(profile);
        username.setText(user.getName());
        story.setOnClickListener(new View.OnClickListener() {

            @Override
            public void onClick(View view) {
                ArrayList<MyStory> myStories = new ArrayList<>();

                for (Userstory story : storyModel.getUserstories()) {
                    myStories.add(new MyStory(
                        story.getImage()
                    ));
                }

                new StoryView.Builder(((AppCompatActivity)
view.getContext()).getSupportFragmentManager())
                    .setStoriesList(myStories) // Required
                    .setStoryDuration(5000) // Default is 2000 Millis (2 Seconds)
                    .setTitleText(user.getName()) // Default is Hidden
                    .setSubTitleText("") // Default is Hidden
                    .setTitleLogoUrl(user.getProfile()) // Default is Hidden
                    .setStoryClickListeners(new StoryClickListeners() {
                        @Override
                        public void onDescriptionClickListener(int position) {
                            //your action
                        }
                    }

                    @Override
                    public void onTitleIconClickListener(int position) {
```

```
        //your action
    }
}) // Optional Listeners
.build() // Must be called before calling show method
.show();
}
});
}

@Override
public void onCancelled(@NonNull DatabaseError error) {

}

@Override
public int getItemCount() {
    return list.size();
}
}
```

FRAGMENTS

AddPostFragment.java

```
package com.example.iconnect.fragment;

import android.app.AlertDialog;
import android.content.Intent;
import android.net.Uri;
import android.os.Bundle;

import androidx.activity.result.ActivityResultCallback;
import androidx.activity.result.ActivityResultLauncher;
```

```
import androidx.activity.result.contract.ActivityResultContracts;
import androidx.annotation.NonNull;
import androidx.constraintlayout.widget.ConstraintLayout;
import androidx.fragment.app.Fragment;
import androidx.fragment.app.FragmentManager;
import androidx.fragment.app.FragmentTransaction;

import android.text.Editable;
import android.text.TextWatcher;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.Button;
import android.widget.EditText;
import android.widget.ImageView;
import android.widget.TextView;
import android.widget.Toast;

import com.example.ICONNECT.MainActivity;
import com.example.ICONNECT.R;
import com.example.ICONNECT.models.User;
import com.example.ICONNECT.models.Post;
import com.google.android.gms.tasks.OnSuccessListener;
import com.google.firebase.auth.FirebaseAuth;
import com.google.firebaseio.database.DataSnapshot;
import com.google.firebaseio.database.DatabaseError;
import com.google.firebaseio.database.FirebaseDatabase;
import com.google.firebaseio.database.ValueEventListener;
import com.google.firebaseio.storage.FirebaseStorage;
import com.google.firebaseio.storage.StorageReference;
import com.google.firebaseio.storage.UploadTask;
import com.squareup.picasso.Picasso;

import java.util.Date;

public class AddPostFragment extends Fragment {
    ActivityResultLauncher<String> uploadImg;
    FirebaseStorage storage;
    FirebaseAuth auth;
    FirebaseDatabase database;
    Uri uri;
    ProgressDialog dialog;
    public AddPostFragment() {
        // Required empty public constructor
    }
}
```

```
@Override
public void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    storage = FirebaseStorage.getInstance();
    auth = FirebaseAuth.getInstance();
    database = FirebaseDatabase.getInstance();
    dialog = new ProgressDialog(getContext());
}

@Override
public View onCreateView(LayoutInflater inflater, ViewGroup container,
                        Bundle savedInstanceState) {
    // Inflate the layout for this fragment
    View view = inflater.inflate(R.layout.fragment_add_post, container, false);
    EditText post_description = view.findViewById(R.id.aboutImg);
    ImageView postImg = view.findViewById(R.id.postImg);
    Button postBtn = view.findViewById(R.id.postBtn);
    ImageView selectImgBtn = view.findViewById(R.id.selectImage);
    TextView name = view.findViewById(R.id.name);
    TextView profession = view.findViewById(R.id.profession);
    ImageView profilePhoto = view.findViewById(R.id.profile);

    dialog.setProgressStyle(ProgressDialog.STYLE_SPINNER);
    dialog.setTitle("Uploading post");
    dialog.setMessage("Please wait... ");
    dialog.setCancelable(false);
    dialog.setCanceledOnTouchOutside(false);

    database.getReference().child("Users").child(auth.getUid())
        .addListenerForSingleValueEvent(new ValueEventListener() {
            @Override
            public void onDataChange(@NonNull DataSnapshot snapshot) {
                if (snapshot.exists()) {
                    User user = snapshot.getValue(User.class);
                    Picasso.get()
                        .load(user.getProfile())
                        .placeholder(R.drawable.profile_placeholder)
                        .into(profilePhoto);
                    name.setText(user.getName());
                    profession.setText(user.getProfession());
                }
            }
        })
}
```

```
    @Override
    public void onCancelled(@NonNull DatabaseError error) {
        }

    });

post_decription.addTextChangedListener(
    new TextWatcher() {
        @Override
        public void beforeTextChanged(CharSequence charSequence, int i, int i1, int i2) {

        }

        @Override
        public void onTextChanged(CharSequence charSequence, int i, int i1, int i2) {
            String description = post_decription.getText().toString();
            if (!description.isEmpty()){

postBtn.setBackground(getContext().getResources().getDrawable(R.drawable.btn_background));
            postBtn.setTextColor(getContext().getResources().getColor(R.color.white));
            postBtn.setEnabled(true);
        }
        else{

postBtn.setBackground(getContext().getResources().getDrawable(R.drawable.color_cover));
            postBtn.setTextColor(getContext().getResources().getColor(R.color.gray));
            postBtn.setEnabled(false);
        }
    }

    @Override
    public void afterTextChanged(Editable editable) {

    }
);

uploadImg = registerForActivityResult(new ActivityResultContracts.GetContent(), new
ActivityResultCallback<Uri>() {
    @Override
    public void onActivityResult(Uri result) {
        if (result!=null) {
            uri = result;
        }
    }
});
```

```
postImg.setImageURI(uri);

postBtn.setBackground(getContext().getResources().getDrawable(R.drawable.btn_background));
    postBtn.setTextColor(getContext().getResources().getColor(R.color.white));
    postBtn.setEnabled(true);
    postImg.setVisibility(View.VISIBLE);
}
}
});

selectImgBtn.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        uploadImg.launch("image/*");

    }
});

postBtn.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        dialog.show();
        final StorageReference reference =
storage.getReference().child("post").child(auth.getUid()).child(new Date().getTime()+"");
        reference.putFile(uri).addOnSuccessListener(new
OnSuccessListener<UploadTask.TaskSnapshot>() {
            @Override
            public void onSuccess(UploadTask.TaskSnapshot taskSnapshot) {

                reference.getDownloadUrl().addOnSuccessListener(new OnSuccessListener<Uri>() {
                    @Override
                    public void onSuccess(Uri uri) {
                        Post post = new Post();
                        post.setPostImg(uri.toString());
                        post.setPostedBy(auth.getUid());
                        post.setPostDescription(post_decription.getText().toString());
                        post.setPostedAt(new Date().getTime());

database.getReference().child("posts").push().setValue(post).addOnSuccessListener(new
OnSuccessListener<Void>() {
            @Override
            public void onSuccess(Void unused) {
```

```
        dialog.dismiss();
        Toast.makeText(view.getContext(), "Posted successfully",
Toast.LENGTH_SHORT).show();
        FragmentTransaction transaction =
getFragmentManager().beginTransaction();
        transaction.replace(R.id.frameContainer,new HomeFragment());
        transaction.commit();
    }
});

}
);
}
);
}
);
return view;
}
}
```

FriendsFragment.java

```
package com.example.iconnect.fragment;

import android.os.Bundle;

import androidx.annotation.NonNull;
import androidx.fragment.app.Fragment;
import androidx.recyclerview.widget.LinearLayoutManager;
import androidx.recyclerview.widget.RecyclerView;

import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;

import com.cooltechworks.views.shimmer.ShimmerRecyclerView;
import com.example.iconnect.Adapters.friendsAdapter;
import com.example.iconnect.R;
import com.example.iconnect.models.User;
import com.google.firebase.auth.FirebaseAuth;
import com.google.firebaseio.database.DataSnapshot;
import com.google.firebaseio.database.DatabaseError;
```

```
import com.google.firebaseio.database.FirebaseDatabase;
import com.google.firebaseio.database.ValueEventListener;

import java.util.ArrayList;

public class FriendsFragment extends Fragment {
    ShimmerRecyclerView friendsRV;
    ArrayList<User> friendsList;
    FirebaseAuth auth;
    FirebaseDatabase database;

    public FriendsFragment() {
        // Required empty public constructor
    }

    @Override
    public void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        auth = FirebaseAuth.getInstance();
        database = FirebaseDatabase.getInstance();
    }

    @Override
    public View onCreateView(LayoutInflater inflater, ViewGroup container,
                           Bundle savedInstanceState) {
        // Inflate the layout for this fragment
        View view = inflater.inflate(R.layout.fragment_friends, container, false);
        friendsRV = view.findViewById(R.id.friendsRV);

        friendsRV.showShimmerAdapter();

        friendsList = new ArrayList<>();
        friendsAdapter adapter = new friendsAdapter(friendsList);
        LinearLayoutManager manager = new
        LinearLayoutManager(getContext(),LinearLayoutManager.VERTICAL,true);

        friendsRV.setLayoutManager(manager);
        friendsRV.setAdapter(adapter);
```

```
database.getReference().child("Users").addValueEventListener(new ValueEventListener() {  
    @Override  
    public void onDataChange(@NonNull DataSnapshot snapshot) {  
        friendsList.clear();  
        for (DataSnapshot dataSnapshot : snapshot.getChildren()){  
            User user = dataSnapshot.getValue(User.class);  
            user.setUserId(dataSnapshot.getKey());  
            if (!dataSnapshot.getKey().equals(FirebaseAuth.getInstance().getUid())){  
                friendsList.add(user);  
            }  
        }  
        friendsRV.setAdapter(adapter);  
        friendsRV.hideShimmerAdapter();  
        adapter.notifyDataSetChanged();  
    }  
  
    @Override  
    public void onCancelled(@NonNull DatabaseError error) {  
  
    }  
});  
  
return view;  
}  
}
```

HomeFragment.java

```
package com.example.iconnect.fragment;  
  
import android.app.AlertDialog;  
import android.content.Intent;  
import android.net.Uri;  
import android.os.Bundle;  
  
import androidx.activity.result.ActivityResultCallback;  
import androidx.activity.result.ActivityResultLauncher;  
import androidx.activity.result.contract.ActivityResultContracts;  
import androidx.annotation.NonNull;  
import androidx.fragment.app.Fragment;  
import androidx.fragment.app.FragmentTransaction;
```

```
import androidx.recyclerview.widget.LinearLayoutManager;
import androidx.recyclerview.widget.RecyclerView;

import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.FrameLayout;
import android.widget.ImageView;
import android.widget.TextView;

import com.cooltechworks.views.shimmer.ShimmerRecyclerView;
import com.example.ICONNECT.Adapters.postAdapter;
import com.example.ICONNECT.Adapters.storyAdapter;
import com.example.ICONNECT.ChatsActivity;
import com.example.ICONNECT.MainActivity;
import com.example.ICONNECT.R;
import com.example.ICONNECT.models.User;
import com.example.ICONNECT.models.Userstory;
import com.example.ICONNECT.models.Post;
import com.example.ICONNECT.models.Story;
import com.google.android.gms.tasks.OnSuccessListener;
import com.google.firebase.auth.FirebaseAuth;
import com.google.firebase.database.DataSnapshot;
import com.google.firebase.database.DatabaseError;
import com.google.firebase.database.FirebaseDatabase;
import com.google.firebase.database.ValueEventListener;
import com.google.firebase.storage.FirebaseStorage;
import com.google.firebase.storage.StorageReference;
import com.google.firebase.storage.UploadTask;
import com.makeramen.roundedimageview.RoundedImageView;
import com.squareup.picasso.Picasso;

import java.util.ArrayList;
import java.util.Date;

public class HomeFragment extends Fragment {
    ShimmerRecyclerView storyRV;
    ShimmerRecyclerView postRv;
    ArrayList<Story> storyList;
    ArrayList<Post> postList;
    FirebaseAuth auth;
    FirebaseDatabase database;
    FirebaseStorage storage;
    RoundedImageView addStory,profile;
    TextView whatOnMind;
```

```
ActivityResultLauncher<String> addStoryImg;
ProgressDialog dialog;
ImageView chats;

public HomeFragment() {

}

@Override
public void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    auth = FirebaseAuth.getInstance();
    database = FirebaseDatabase.getInstance();
    storage = FirebaseStorage.getInstance();
    dialog = new ProgressDialog(getContext());
}

@Override
public View onCreateView(LayoutInflater inflater, ViewGroup container,
                        Bundle savedInstanceState) {
    // Inflate the layout for this fragment
    View view = inflater.inflate(R.layout.fragment_home, container, false);
    addStory = view.findViewById(R.id.postImg);
    profile = view.findViewById(R.id.profile);
    whatOnMind = view.findViewById(R.id.whatOnMind);
    storyRV = view.findViewById(R.id.storyRV);
    postRV = view.findViewById(R.id.postRV);
    chats = view.findViewById(R.id.chats);

    postRV.showShimmerAdapter();
    storyRV.showShimmerAdapter();

    dialog.setProgressStyle(ProgressDialog.STYLE_SPINNER);
    dialog.setTitle("Uploading story");
    dialog.setMessage("Please wait... ");
    dialog.setCancelable(false);
    dialog.setCanceledOnTouchOutside(false);

    whatOnMind.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            FragmentTransaction transaction = getFragmentManager().beginTransaction();
            transaction.replace(R.id.frameContainer,new AddPostFragment());
            transaction.commit();
        }
    });
}
```

```
});

database.getReference().child("Users").child(auth.getUid())
    .addListenerForSingleValueEvent(new ValueEventListener() {
        @Override
        public void onDataChange(@NonNull DataSnapshot snapshot) {
            if (snapshot.exists()) {
                User user = snapshot.getValue(User.class);
                Picasso.get()
                    .load(user.getProfile())
                    .placeholder(R.drawable.profile_placeholder)
                    .into(profile);
                Picasso.get()
                    .load(user.getProfile())
                    .placeholder(R.drawable.profile_placeholder)
                    .into(addStory);
            }
        }

        @Override
        public void onCancelled(@NonNull DatabaseError error) {
            }
    });

addStoryImg = registerForActivityResult(new ActivityResultContracts.GetContent(), new
ActivityResultCallback<Uri>() {
    @Override
    public void onActivityResult(Uri result) {
        if (result!=null) {
            dialog.show();
            addStory.setImageURI(result);
            final StorageReference reference =
storage.getReference().child("stories").child(auth.getUid()).child(new Date().getTime()+"");
            reference.putFile(result).addOnSuccessListener(new
OnSuccessListener<UploadTask.TaskSnapshot>() {
                @Override
                public void onSuccess(UploadTask.TaskSnapshot taskSnapshot) {
                    reference.getDownloadUrl().addOnSuccessListener(new OnSuccessListener<Uri>()
{
                @Override
                public void onSuccess(Uri uri) {
                    Story story = new Story();
                    story.setStoryAt(new Date().getTime());
                }
            });
        }
    }
});
```

```
database.getReference().child("stories").child(auth.getUid()).child("storyBy").setValue(story.getStoryAt()).addOnSuccessListener(new OnSuccessListener<Void>() {
    @Override
    public void onSuccess(Void unused) {
        Userstory userstory = new Userstory(uri.toString(),story.getStoryAt());

        database.getReference().child("stories").child(auth.getUid()).child("userstories").push().setValue(userstory).addOnSuccessListener(new OnSuccessListener<Void>() {
            @Override
            public void onSuccess(Void unused) {
                dialog.dismiss();
            }
        });
    }
});

addStory.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        addStoryImg.launch("image/*");
    }
});

storyList = new ArrayList<>();

storyAdapter adapter = new storyAdapter(storyList);
LinearLayoutManager manager = new
LinearLayoutManager(getApplicationContext(),LinearLayoutManager.HORIZONTAL,true);
storyRV.setLayoutManager(manager);
storyRV.setNestedScrollingEnabled(false);

database.getReference().child("stories").addValueEventListener(new ValueEventListener() {
    @Override
    public void onDataChange(@NonNull DataSnapshot snapshot) {
        if (snapshot.exists()){


```

```
storyList.clear();
for (DataSnapshot dataSnapshot:snapshot.getChildren()){
    Story story = new Story();
    story.setStoryBy(dataSnapshot.getKey());
    story.setStoryAt(dataSnapshot.child("storyBy").getValue(Long.class));

    ArrayList<Userstory> stories = new ArrayList<>();
    for (DataSnapshot dataSnapshot1: dataSnapshot.child("userstories").getChildren()){
        Userstory userstory = dataSnapshot1.getValue(Userstory.class);
        stories.add(userstory);
    }
    story.setUserstories(stories);
    storyList.add(story);
}
storyRV.setAdapter(adapter);
storyRV.hideShimmerAdapter();
adapter.notifyDataSetChanged();
}

@Override
public void onCancelled(@NonNull DatabaseError error) {

};

postList = new ArrayList<>();
postAdapter adapter2 = new postAdapter(postList);
LinearLayoutManager manager2 = new
LinearLayoutManager(getContext(),LinearLayoutManager.VERTICAL,true);
postRv.setLayoutManager(manager2);
postRv.setNestedScrollingEnabled(false);

database.getReference().child("posts").addValueEventListener(new ValueEventListener() {
    @Override
    public void onDataChange(@NonNull DataSnapshot snapshot) {
        postList.clear();
        for (DataSnapshot dataSnapshot : snapshot.getChildren()){
            Post post = dataSnapshot.getValue(Post.class);
            post.setPostId(dataSnapshot.getKey());
            postList.add(post);
        }
        postRv.setAdapter(adapter2);
        postRv.hideShimmerAdapter();
    }
});
```

```
        adapter2.notifyDataSetChanged();
    }

    @Override
    public void onCancelled(@NonNull DatabaseError error) {

    });
    chats.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            Intent intent = new Intent(getActivity(), ChatsActivity.class);
            startActivity(intent);
        }
    });

    return view;
}
}
```

NotificationFragment

```
package com.example.iconnect.fragment;

import android.os.Bundle;

import androidx.annotation.NonNull;
import androidx.fragment.app.Fragment;
import androidx.recyclerview.widget.LinearLayoutManager;
import androidx.recyclerview.widget.RecyclerView;

import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;

import com.cooltechworks.views.shimmer.ShimmerRecyclerView;
import com.example.iconnect.Adapters.notificationAdapter;
import com.example.iconnect.R;
import com.example.iconnect.models.Notification;
import com.google.firebase.auth.FirebaseAuth;
import com.google.firebaseio.database.DataSnapshot;
import com.google.firebaseio.database.DatabaseError;
```

```
import com.google.firebaseio.database.FirebaseDatabase;
import com.google.firebaseio.database.ValueEventListener;

import java.util.ArrayList;

public class NotificationFragment extends Fragment {
    ShimmerRecyclerView notificationRV;
    ArrayList<Notification> notificationList;
    FirebaseDatabase database;

    public NotificationFragment() {
        // Required empty public constructor
    }

    @Override
    public void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        database = FirebaseDatabase.getInstance();
    }

    @Override
    public View onCreateView(LayoutInflater inflater, ViewGroup container,
                           Bundle savedInstanceState) {
        // Inflate the layout for this fragment
        View view = inflater.inflate(R.layout.fragment_notification, container, false);
        notificationList = new ArrayList<>();
        notificationRV = view.findViewById(R.id.notificationRV);

        notificationRV.showShimmerAdapter();

        notificationAdapter adapter = new notificationAdapter(notificationList);
        LinearLayoutManager manager = new
        LinearLayoutManager(getContext(),LinearLayoutManager.VERTICAL,true);

        notificationRV.setLayoutManager(manager);
        notificationRV.setNestedScrollingEnabled(false);

        database.getReference().child("notification").child(FirebaseAuth.getInstance().getUid()).addValueEvent
        entListener(new ValueEventListener() {
            @Override
            public void onDataChange(@NonNull DataSnapshot snapshot) {
```

```
for (DataSnapshot dataSnapshot : snapshot.getChildren()) {
    Notification notification = dataSnapshot.getValue(Notification.class);
    notification.setNotificationId(dataSnapshot.getKey());
    notificationList.add(notification);
}
notificationRV.setAdapter(adapter);
notificationRV.hideShimmerAdapter();
adapter.notifyDataSetChanged();
}

@Override
public void onCancelled(@NonNull DatabaseError error) {

}

});
return view;
}
}
```

ProfileFragment.java

```
package com.example.iconnect.fragment;

import android.content.Intent;
import android.net.Uri;
import android.os.Bundle;

import androidx.activity.result.ActivityResultCallback;
import androidx.activity.result.ActivityResultLauncher;
import androidx.activity.result.contract.ActivityResultContracts;
import androidx.annotation.NonNull;
import androidx.fragment.app.Fragment;
import androidx.recyclerview.widget.LinearLayoutManager;
import androidx.recyclerview.widget.RecyclerView;

import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.ImageView;
import android.widget.TextView;
import android.widget.Toast;
```

```
import com.example.ICONNECT.Adapters.FollowerAdapter;
import com.example.ICONNECT.LogInActivity;
import com.example.ICONNECT.R;
import com.example.ICONNECT.models.User;
import com.example.ICONNECT.models.Follow;
import com.google.android.gms.tasks.OnSuccessListener;
import com.google.firebase.auth.FirebaseAuth;
import com.google.firebaseio.database.DataSnapshot;
import com.google.firebaseio.database.DatabaseError;
import com.google.firebaseio.database.FirebaseDatabase;
import com.google.firebaseio.database.ValueEventListener;
import com.google.firebaseio.storage.FirebaseStorage;
import com.google.firebaseio.storage.StorageReference;
import com.google.firebaseio.storage.UploadTask;
import com.squareup.picasso.Picasso;

import java.util.ArrayList;

public class ProfileFragment extends Fragment {
    RecyclerView profile_friends_RV;
    ArrayList<Follow> friendsList;
    ActivityResultLauncher<String> getCoverPhoto, getProfile;
    FirebaseStorage storage;
    FirebaseAuth auth;
    FirebaseDatabase database;

    public ProfileFragment() {
        // Required empty public constructor
    }

    @Override
    public void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        storage = FirebaseStorage.getInstance();
        auth = FirebaseAuth.getInstance();
        database = FirebaseDatabase.getInstance();
    }

    @Override
    public View onCreateView(LayoutInflater inflater, ViewGroup container,
                           Bundle savedInstanceState) {
        // Inflate the layout for this fragment
        View view = inflater.inflate(R.layout.fragment_profile, container, false);
```

```
profile_friends_RV = view.findViewById(R.id.friendsRV_P);
ImageView change_cover = view.findViewById(R.id.change_cover);
ImageView change_profile = view.findViewById(R.id.change_profile);
ImageView coverPhoto = view.findViewById(R.id.cover_photo);
ImageView profilePhoto = view.findViewById(R.id.profile);
ImageView signout = view.findViewById(R.id.signout);
TextView name = view.findViewById(R.id.name);
TextView profession = view.findViewById(R.id.profession);
TextView followers = view.findViewById(R.id.followers);
TextView following = view.findViewById(R.id.following);

database.getReference().child("Users").child(auth.getUid())
    .addListenerForSingleValueEvent(new ValueEventListener() {
        @Override
        public void onDataChange(@NonNull DataSnapshot snapshot) {
            if (snapshot.exists()) {
                User user = snapshot.getValue(User.class);
                Picasso.get()
                    .load(user.getCover_photo())
                    .placeholder(R.drawable.post_placeholder)
                    .into(coverPhoto);
                Picasso.get()
                    .load(user.getProfile())
                    .placeholder(R.drawable.profile_placeholder)
                    .into(profilePhoto);
                name.setText(user.getName());
                profession.setText(user.getProfession());
                followers.setText(user.getFollowers_count()+"");
                following.setText(user.getFollowing()+"");
            }
        }
        @Override
        public void onCancelled(@NonNull DatabaseError error) {
            }
    });

friendsList = new ArrayList<>();
followerAdapter adapter = new followerAdapter(friendsList);
```

```
LinearLayoutManager manager = new LinearLayoutManager(getApplicationContext(),
    LinearLayoutManager.HORIZONTAL, false);
profile_friends_RV.setLayoutManager(manager);
profile_friends_RV.setNestedScrollingEnabled(false);
profile_friends_RV.setAdapter(adapter);

database.getReference().child("Users").child(auth.getUid()).child("followers").addValueEventListener(new ValueEventListener() {
    @Override
    public void onDataChange(@NonNull DataSnapshot snapshot) {
        friendsList.clear();
        for (DataSnapshot dataSnapshot:snapshot.getChildren()){
            Follow follow = dataSnapshot.getValue(Follow.class);
            friendsList.add(follow);
        }
        adapter.notifyDataSetChanged();
    }

    @Override
    public void onCancelled(@NonNull DatabaseError error) {
        }
    });

getCoverPhoto = registerForActivityResult(new ActivityResultContracts.GetContent(), new
ActivityResultCallback<Uri>() {
    @Override
    public void onActivityResult(Uri result) {
        if (result!=null) {
            coverPhoto.setImageURI(result);
            final StorageReference refrence =
storage.getReference().child("cover_photo").child(auth.getUid());
            refrence.putFile(result).addOnSuccessListener(new
OnSuccessListener<UploadTask.TaskSnapshot>() {
                @Override
                public void onSuccess(UploadTask.TaskSnapshot taskSnapshot) {
                    Toast.makeText(getApplicationContext(), "Cover photo saved",
Toast.LENGTH_SHORT).show();
                    refrence.getDownloadUrl().addOnSuccessListener(new OnSuccessListener<Uri>()
{
                @Override
                public void onSuccess(Uri uri) {
                    database.getReference().child("Users").child(auth.getUid())
                        .child("cover_photo").setValue(uri.toString());
                }
            });
        }
    }
});
```

```
        }
    });
}
});
}
});
});

getProfile = registerForActivityResult(new ActivityResultContracts.GetContent(), new
ActivityResultCallback<Uri>() {
    @Override
    public void onActivityResult(Uri result) {
        if (result != null) {
            profilePhoto.setImageURI(result);
            final StorageReference refrence =
storage.getReference().child("profile").child(auth.getUid());
            refrence.putFile(result).addOnSuccessListener(new
OnSuccessListener<UploadTask.TaskSnapshot>() {
                @Override
                public void onSuccess(UploadTask.TaskSnapshot taskSnapshot) {
                    Toast.makeText(getApplicationContext(), "profile photo saved",
Toast.LENGTH_SHORT).show();
                    refrence.getDownloadUrl().addOnSuccessListener(new OnSuccessListener<Uri>()
{
                @Override
                public void onSuccess(Uri uri) {
                    database.getReference().child("Users").child(auth.getUid())
                        .child("profile").setValue(uri.toString());
                }
            });
        }
    });
}

change_cover.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        getCoverPhoto.launch("image/*");
    }
});
change_profile.setOnClickListener(new View.OnClickListener() {
    @Override
```

```
public void onClick(View view) {
    getProfile.launch("image/*");
}
});
signout.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        auth.signOut();
        Intent intent = new Intent(getActivity(), LogInActivity.class);
        startActivity(intent);
    }
});
return view;
}

}
```

MODELS

Comments.java

```
package com.example.iconnect.models;

public class Comment {
    private String commentBody,commentedBy;
    private long commentedAt;

    public Comment() {
    }

    public String getCommentBody() {
        return commentBody;
    }

    public void setCommentBody(String commentBody) {
        this.commentBody = commentBody;
    }

    public String getCommentedBy() {
```

```
        return commentedBy;
    }

    public void setCommentedBy(String commentedBy) {
        this.commentedBy = commentedBy;
    }

    public long getCommentedAt() {
        return commentedAt;
    }

    public void setCommentedAt(long commentedAt) {
        this.commentedAt = commentedAt;
    }

    public Comment(String commentBody, String commentedBy, long commentedAt) {
        this.commentBody = commentBody;
        this.commentedBy = commentedBy;
        this.commentedAt = commentedAt;
    }
}
```

Follow.java

```
package com.example.ICONNECT.models;

public class Follow {
    private String followedBy;
    private long followedAt;

    public String getFollowedBy() {
        return followedBy;
    }

    public void setFollowedBy(String followedBy) {
        this.followedBy = followedBy;
    }

    public long getFollowedAt() {
        return followedAt;
    }
}
```

```
}

public void setFollowedAt(long followedAt) {
    this.followedAt = followedAt;
}

public Follow() {
}
}
```

Message.java

```
package com.example.iconnect.models;

public class message {

    String messageBody;
    String messageBy;
    int feeling = -1;

    public int getFeeling() {
        return feeling;
    }

    public void setFeeling(int feeling) {
        this.feeling = feeling;
    }

    public String getMesageId() {
        return mesageId;
    }

    public void setMesageId(String mesageId) {
        this.mesageId = mesageId;
    }

    String mesageId;

    public String getMessageBody() {
        return messageBody;
    }
}
```

```
}

public void setMessageBody(String messageBody) {
    this.messageBody = messageBody;
}

public String getMessageBy() {
    return messageBy;
}

public void setMessageBy(String messageBy) {
    this.messageBy = messageBy;
}

}

public message() {
}
}
```

Notification.java

```
package com.example.iconnect.models;

public class Notification {
    private String notificationBy;
    private String type;
    private String postId;
    private String notificationId;
    private String postedBy;
    private long notificationAt;
    private boolean checkOpen;

    public String getNotificationId() {
        return notificationId;
    }

    public void setNotificationId(String notificationId) {
        this.notificationId = notificationId;
    }
}
```

```
public String getNotificationBy() {
    return notificationBy;
}

public void setNotificationBy(String notificationBy) {
    this.notificationBy = notificationBy;
}

public String getType() {
    return type;
}

public void setType(String type) {
    this.type = type;
}

public String getPostId() {
    return postId;
}

public void setPostId(String postId) {
    this.postId = postId;
}

public String getPostedBy() {
    return postedBy;
}

public void setPostedBy(String postedBy) {
    this.postedBy = postedBy;
}

public long getNotificationAt() {
    return notificationAt;
}

public void setNotificationAt(long notificationAt) {
    this.notificationAt = notificationAt;
}

public boolean isCheckOpen() {
    return checkOpen;
}
```

```
public void setCheckOpen(boolean checkOpen) {  
    this.checkOpen = checkOpen;  
}  
  
public Notification() {  
}  
  
public Notification(String notificationBy, String type, String postId, String postedBy, long  
notificationAt, boolean checkOpen) {  
    this.notificationBy = notificationBy;  
    this.type = type;  
    this.postId = postId;  
    this.postedBy = postedBy;  
    this.notificationAt = notificationAt;  
    this.checkOpen = checkOpen;  
}  
  
}
```

Post.java

```
package com.example.ICONNECT.models;  
  
public class Post {  
    private String postedBy, postId, postDescription, postImg;  
  
    public int getPostLikes() {  
        return postLikes;  
    }  
  
    public void setPostLikes(int postLikes) {  
        this.postLikes = postLikes;  
    }  
  
    private int postLikes;  
    private int comments_count;  
  
    public int getComments_count() {  
        return comments_count;  
    }
```

```
public void setComments_count(int comments_count) {  
    this.comments_count = comments_count;  
}  
  
private long postedAt;  
  
public Post() {  
}  
  
public String getPostedBy() {  
    return postedBy;  
}  
  
public void setPostedBy(String postedBy) {  
    this.postedBy = postedBy;  
}  
  
public String getPostId() {  
    return postId;  
}  
  
public void setPostId(String postId) {  
    this.postId = postId;  
}  
  
public String getPostDescription() {  
    return postDescription;  
}  
  
public void setPostDescription(String postDescription) {  
    this.postDescription = postDescription;  
}  
  
public String getPostImg() {  
    return postImg;  
}  
  
public void setPostImg(String postImg) {  
    this.postImg = postImg;  
}  
  
public long getPostedAt() {  
    return postedAt;  
}
```

```
public void setPostedAt(long postedAt) {  
    this.postedAt = postedAt;  
}  
  
public Post(String postedBy, String postId, String postDescription, String postImg, long postedAt)  
{  
    this.postedBy = postedBy;  
    this.postId = postId;  
    this.postDescription = postDescription;  
    this.postImg = postImg;  
    this.postedAt = postedAt;  
}  
}
```

Story.java

```
package com.example.iconnect.models;  
  
import java.util.ArrayList;  
  
public class Story {  
    private String storyBy;  
    private long storyAt;  
    ArrayList<Userstory> userstories;  
  
    public Story() {  
    }  
  
    public String getStoryBy() {  
        return storyBy;  
    }  
  
    public void setStoryBy(String storyBy) {  
        this.storyBy = storyBy;  
    }  
  
    public long getStoryAt() {  
        return storyAt;  
    }  
  
    public void setStoryAt(long storyAt) {  
        this.storyAt = storyAt;  
    }  
}
```

```
public ArrayList<Userstory> getUserstories() {
    return userstories;
}

public void setUserstories(ArrayList<Userstory> userstories) {
    this.userstories = userstories;
}

public Story(String storyBy, long storyAt, ArrayList<Userstory> userstories) {
    this.storyBy = storyBy;
    this.storyAt = storyAt;
    this.userstories = userstories;
}
}
```

User.java

```
package com.example.iconnect.models;

public class User {
    private String name,profession,email,password;
    private String cover_photo,profile;
    private String userId;
    private int followers_count;
    private int following;
    private boolean online;
    private String token;

    public String getToken() {
        return token;
    }

    public void setToken(String token) {
        this.token = token;
    }

    public int getFollowing() {
        return following;
    }

    public void setFollowing(int following) {
        this.following = following;
    }
}
```

```
public int getFollowers_count() {
    return followers_count;
}

public void setFollowers_count(int followers_count) {
    this.followers_count = followers_count;
}

public User(String name, String profession, String email, String password) {
    this.name = name;
    this.profession = profession;
    this.email = email;
    this.password = password;
}

public User() {
}

public String getName() {
    return name;
}

public void setName(String name) {
    this.name = name;
}

public String getProfession() {
    return profession;
}

public void setProfession(String profession) {
    this.profession = profession;
}

public String getEmail() {
    return email;
}

public void setEmail(String email) {
    this.email = email;
}

public String getPassword() {
    return password;
}
```

```
}

public void setPassword(String password) {
    this.password = password;
}

public String getCover_photo() {
    return cover_photo;
}

public void setCover_photo(String cover_photo) {
    this.cover_photo = cover_photo;
}

public String getProfile() {
    return profile;
}

public void setProfile(String profile) {
    this.profile = profile;
}

public String getUserId() {
    return userId;
}

public void setUserId(String userId) {
    this.userId = userId;
}

public boolean isOnline() {
    return online;
}

public void setOnline(boolean online) {
    this.online = online;
}
}
```

UserStory.java

```
package com.example.iconnect.models;

public class Userstory {
    private String image;
    private long storyAt;

    public Userstory(String image, long storyAt) {
        this.image = image;
        this.storyAt = storyAt;
    }

    public String getImage() {
        return image;
    }

    public void setImage(String image) {
        this.image = image;
    }

    public long getStoryAt() {
        return storyAt;
    }

    public void setStoryAt(long storyAt) {
        this.storyAt = storyAt;
    }

    public Userstory() {
    }
}
```

OTHERS

ChatsActivity.java

```
package com.example.iconnect;

import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;
import androidx.recyclerview.widget.LinearLayoutManager;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.ImageView;
import android.widget.Toast;

import com.cooltechworks.views.shimmer.ShimmerRecyclerView;
import com.example.iconnect.Adapters.chatsAdapter;
import com.example.iconnect.models.User;
import com.google.android.gms.tasks.OnSuccessListener;
import com.google.firebase.auth.FirebaseAuth;
import com.google.firebaseio.database.DataSnapshot;
import com.google.firebaseio.database.DatabaseError;
import com.google.firebaseio.database.DatabaseReference;
import com.google.firebaseio.database.FirebaseDatabase;
import com.google.firebaseio.database.Query;
import com.google.firebaseio.database.ValueEventListener;
import com.google.firebaseio.messaging.FirebaseMessaging;
import com.squareup.picasso.Picasso;

import java.util.ArrayList;
import java.util.List;

public class ChatsActivity extends AppCompatActivity {

    ShimmerRecyclerView chatsRV;
    ArrayList<User> chatsList;
    FirebaseAuth auth;
```

```
FirebaseDatabase database;
ImageView profile;
DatabaseReference reference;
ArrayList<String> contactedUserList;

@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_chats);

    auth = FirebaseAuth.getInstance();
    database = FirebaseDatabase.getInstance();
    chatsRV = findViewById(R.id.chatsRV);
    profile = findViewById(R.id.profile);

    chatsRV.showShimmerAdapter();

    chatsList = new ArrayList<>();
    contactedUserList = new ArrayList<>();

    database.getReference().child("Users").child(auth.getUid())
        .addListenerForSingleValueEvent(new ValueEventListener() {
            @Override
            public void onDataChange(@NonNull DataSnapshot snapshot) {
                if (snapshot.exists()) {
                    User user = snapshot.getValue(User.class);
                    Picasso.get()
                        .load(user.getProfile())
                        .placeholder(R.drawable.profile_placeholder)
                        .into(profile);
                }
            }
        });

        @Override
        public void onCancelled(@NonNull DatabaseError error) {

    }

    chatsAdapter adapter = new chatsAdapter(chatsList);
    LinearLayoutManager manager = new LinearLayoutManager(ChatsActivity.this);
    manager.setStackFromEnd(true);
    manager.setReverseLayout(true);
```

```
chatsRV.setLayoutManager(manager);
chatsRV.setAdapter(adapter);

reference = database.getReference().child("chats");
Query query = reference.orderByChild("timestamp").limitToLast(10000);

query.addValueEventListener(new ValueEventListener() {
    @Override
    public void onDataChange(@NonNull DataSnapshot snapshot) {
        contactedUserList.clear();
        for (DataSnapshot dataSnapshot:snapshot.getChildren()){
            String messageFor = dataSnapshot.child("messageFor").getValue(String.class);
            if (dataSnapshot.getKey().equals(auth.getUid()+messageFor)) {
                contactedUserList.add(messageFor);
            }
        }
    }

    database.getReference().child("Users").addValueEventListener(new ValueEventListener()
{
    @Override
    public void onDataChange(@NonNull DataSnapshot snapshot) {
        chatsList.clear();

        for (String uid: contactedUserList){

            for (DataSnapshot dataSnapshot : snapshot.getChildren()) {
                User user = dataSnapshot.getValue(User.class);
                user.setUserId(dataSnapshot.getKey());

                if (user.getUserId().equals(uid)){
                    chatsList.add(user);
                    break;
                }
            }
        }
        chatsRV.setAdapter(adapter);
        chatsRV.hideShimmerAdapter();
        adapter.notifyDataSetChanged();
    }

    @Override
    public void onCancelled(@NonNull DatabaseError error) {
```

```
        }
    });

}

@Override
public void onCancelled(@NonNull DatabaseError error) {
    }

});

profile.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        Intent intent = new Intent(ChatsActivity.this,MainActivity.class);
        startActivity(intent);
    }
});

}

String uid = FirebaseAuth.getInstance().getUid();

@Override
protected void onResume() {
    super.onResume();

FirebaseDatabase.getInstance().getReference().child("Users").child(uid).child("online").setValue(true);
}

@Override
protected void onPause() {
    super.onPause();

FirebaseDatabase.getInstance().getReference().child("Users").child(uid).child("online").setValue(false);
}
```

CommentActivity.java

```
package com.example.iconnect;

import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;
import androidx.recyclerview.widget.LinearLayoutManager;
import androidx.recyclerview.widget.RecyclerView;

import android.content.Intent;
import android.os.Bundle;
import android.view.MenuItem;
import android.view.View;
import android.widget.EditText;
import android.widget.ImageView;
import android.widget.TextView;
import android.widget.Toast;

import com.example.iconnect.Adapters.commentsAdapter;
import com.example.iconnect.models.Comment;
import com.example.iconnect.models.Notification;
import com.example.iconnect.models.User;
import com.example.iconnect.models.Post;
import com.google.android.gms.tasks.OnSuccessListener;
import com.google.firebase.auth.FirebaseAuth;
import com.google.firebaseio.database.DataSnapshot;
import com.google.firebaseio.database.DatabaseError;
import com.google.firebaseio.database.FirebaseDatabase;
import com.google.firebaseio.database.ValueEventListener;
import com.squareup.picasso.Picasso;

import java.util.ArrayList;
import java.util.Date;

public class CommentActivity extends AppCompatActivity {
    Intent intent;
    String postId, postedBy;
    FirebaseAuth auth;
    FirebaseDatabase database;
```

```
ArrayList<Comment> list = new ArrayList<>();  
  
    @Override  
    protected void onCreate(Bundle savedInstanceState) {  
        super.onCreate(savedInstanceState);  
        setContentView(R.layout.activity_comment);  
  
        auth = FirebaseAuth.getInstance();  
        database = FirebaseDatabase.getInstance();  
        ImageView profile = findViewById(R.id.profile);  
        ImageView postImg = findViewById(R.id.postImg);  
        TextView postDescription = findViewById(R.id.aboutPost);  
        TextView likes = findViewById(R.id.likes);  
        TextView comments = findViewById(R.id.comments);  
        ImageView upload_comment = findViewById(R.id.upload_comment);  
        EditText write_comment = findViewById(R.id.write_comment);  
        RecyclerView comments_rv = findViewById(R.id.commentRV);  
  
        setSupportActionBar(findViewById(R.id.toolbar));  
        CommentActivity.this.setTitle("Comments");  
        getSupportActionBar().setDisplayHomeAsUpEnabled(true);  
  
        intent = getIntent();  
        postId = intent.getStringExtra("postId");  
        postedBy = intent.getStringExtra("postedBy");  
  
        database.getReference().child("posts").child(postId)..addValueEventListener(new  
        ValueEventListener() {  
            @Override  
            public void onDataChange(@NonNull DataSnapshot snapshot) {  
                Post post = snapshot.getValue(Post.class);  
                Picasso.get()  
                    .load(post.getPostImg())  
                    .placeholder(R.drawable.post_placeholder)  
                    .into(postImg);  
                postDescription.setText(post.getPostDescription());  
                likes.setText(post.getPostLikes()+"");  
                comments.setText(post.getComments_count()+"");  
            }  
  
            @Override  
            public void onCancelled(@NonNull DatabaseError error) {  
                }  
            });
```

```
database.getReference().child("Users").child(postedBy)
    .addValueEventListener(new ValueEventListener() {
        @Override
        public void onDataChange(@NonNull DataSnapshot snapshot) {
            if (snapshot.exists()) {
                User user = snapshot.getValue(User.class);

                Picasso.get()
                    .load(user.getProfile())
                    .placeholder(R.drawable.profile_placeholder)
                    .into(profile);
            }
        }

        @Override
        public void onCancelled(@NonNull DatabaseError error) {
            }

        });
    upload_comment.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            Comment comment = new Comment();
            comment.setCommentBody(write_comment.getText().toString());
            comment.setCommentedAt(new Date().getTime());
            comment.setCommentedBy(auth.getUid());

            database.getReference().child("posts").child(postId).child("comments").push().setValue(comment).addOnSuccessListener(new OnSuccessListener<Void>() {
                @Override
                public void onSuccess(Void unused) {

                    database.getReference().child("posts").child(postId).child("comments_count").addValueEventListener(new ValueEventListener() {
                        @Override
                        public void onDataChange(@NonNull DataSnapshot snapshot) {
                            int comments_count = 0;
                            if (snapshot.exists()){
                                comments_count = snapshot.getValue(Integer.class);
                            }
                        }
                    });
                }
            });
        }
    });
}
```

```

database.getReference().child("posts").child(postId).child("comments_count").setValue(comments_count+1).addOnSuccessListener(new OnSuccessListener<Void>() {
    @Override
    public void onSuccess(Void unused) {
        write_comment.setText("");
        Toast.makeText(CommentActivity.this, "Comment added successfully.", Toast.LENGTH_SHORT).show();

        Notification notification = new Notification();
        notification.setNotificationBy(FirebaseAuth.getInstance().getUid());
        notification.setNotificationAt(new Date().getTime());
        notification.setPostId(postId);
        notification.setPostedBy(postedBy);
        notification.setType("comment");

        FirebaseDatabase.getInstance().getReference().child("notification")
            .child(postedBy).push().setValue(notification);
    }
});

@Override
public void onCancelled(@NonNull DatabaseError error) {

}

});
}
});
}
});

commentsAdapter adapter = new commentsAdapter(list);
LinearLayoutManager linearLayoutManager = new LinearLayoutManager(this);
comments_rv.setLayoutManager(linearLayoutManager);
comments_rv.setAdapter(adapter);

database.getReference().child("posts").child(postId).child("comments").addValueEventListener(new ValueEventListener() {
    @Override
    public void onDataChange(@NonNull DataSnapshot snapshot) {
        list.clear();
        for (DataSnapshot dataSnapshot:snapshot.getChildren()){
            Comment comment = dataSnapshot.getValue(Comment.class);
            list.add(comment);
        }
    }
});

```

```
        }
        adapter.notifyDataSetChanged();
    }

    @Override
    public void onCancelled(@NonNull DatabaseError error) {
        }
    });

}

@Override
public boolean onOptionsItemSelected(@NonNull MenuItem item) {
    finish();
    return super.onOptionsItemSelected(item);
}
String uid = FirebaseAuth.getInstance().getUid();

@Override
protected void onResume() {
    super.onResume();

FirebaseDatabase.getInstance().getReference().child("Users").child(uid).child("online").setValue(true);
}

@Override
protected void onPause() {
    super.onPause();

FirebaseDatabase.getInstance().getReference().child("Users").child(uid).child("online").setValue(false);
}
```

FirebaseService.java

```
package com.example.iconnect;

import android.app.NotificationChannel;
import android.app.NotificationManager;
```

```
import android.app.PendingIntent;
import android.content.Context;
import android.content.Intent;
import android.media.RingtoneManager;
import android.net.Uri;
import android.os.Build;
import android.widget.Toast;

import androidx.annotation.NonNull;
import androidx.core.app.NotificationCompat;

import com.google.firebase.messaging.FirebaseMessagingService;
import com.google.firebase.messaging.RemoteMessage;

public class FirebaseService extends FirebaseMessagingService {
    @Override
    public void onMessageReceived(@NonNull RemoteMessage message) {
        super.onMessageReceived(message);
        RemoteMessage.Notification notification = message.getNotification();
        if (notification.getTitle().equals("video")||notification.getTitle().equals("audio")) {
            Intent intent = new Intent(this, IncomingCallActivity.class);
            intent.putExtra("senderId", notification.getBody());
            intent.putExtra("type", notification.getTitle());
            intent.setFlags(Intent.FLAG_ACTIVITY_NEW_TASK);
            startActivity(intent);
        }else{
            sendNotification(notification.getTitle(), notification.getBody());
        }
    }
    private void sendNotification(String title, String messageBody) {
        Intent intent = new Intent(this, ChatsActivity.class);
        intent.addFlags(Intent.FLAG_ACTIVITY_CLEAR_TOP);
        PendingIntent pendingIntent = PendingIntent.getActivity(this, 0 /* Request code */, intent,
                PendingIntent.FLAG_ONE_SHOT);

        String channelId = "1";
        Uri defaultSoundUri =
RingtoneManager.getDefaultUri(RingtoneManager.TYPE_NOTIFICATION);
        NotificationCompat.Builder notificationBuilder =
                new NotificationCompat.Builder(this, channelId)
                    .setSmallIcon(R.drawable.ic_send)
                    .setContentTitle(title)
                    .setContentText(messageBody)
                    .setAutoCancel(true)
                    .setSound(defaultSoundUri)
```

```
.setContentIntent(pendingIntent);

NotificationManager notificationManager =
(NotificationManager) getSystemService(Context.NOTIFICATION_SERVICE);

// Since android Oreo notification channel is needed.
if (Build.VERSION.SDK_INT >= Build.VERSION_CODES.O) {
    NotificationChannel channel = new NotificationChannel(channelId,
        "Channel human readable title",
        NotificationManager.IMPORTANCE_DEFAULT);
    notificationManager.createNotificationChannel(channel);
}

notificationManager.notify(0 /* ID of notification */, notificationBuilder.build());
}
```

IncomingCallActivity.java

```
package com.example.iconnect;

import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.os.Handler;
import android.view.View;
import android.widget.ImageView;
import android.widget.TextView;
import android.widget.Toast;

import com.example.iconnect.models.User;
import com.google.firebase.auth.FirebaseAuth;
import com.google.firebaseio.database.DataSnapshot;
import com.google.firebaseio.database.DatabaseError;
import com.google.firebaseio.database.DatabaseReference;
import com.google.firebaseio.database.FirebaseDatabase;
import com.google.firebaseio.database.ValueEventListener;
import com.squareup.picasso.Picasso;
```

```
import org.jitsi.meet.sdk.JitsiMeetActivity;
import org.jitsi.meet.sdk.JitsiMeetConferenceOptions;

import java.net.URL;

public class IncomingCallActivity extends AppCompatActivity {
    TextView name,profession,typeOfCall;
    ImageView profile,decline,accept;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_incoming_call);

        name = findViewById(R.id.name);
        profession = findViewById(R.id.profession);
        profile = findViewById(R.id.profile);
        typeOfCall = findViewById(R.id.type);
        decline = findViewById(R.id.decline);
        accept = findViewById(R.id.accept);

        Intent intent = getIntent();
        String userId = intent.getStringExtra("senderId");
        String type = intent.getStringExtra("type");

        DatabaseReference Call_ref =
        FirebaseDatabase.getInstance().getReference().child("chats").child(userId+FirebaseAuth.getInstance()
        .getUid()).child("response");

        FirebaseDatabase.getInstance().getReference().child("Users").child(userId).addValueEventListener(new ValueEventListener() {
            @Override
            public void onDataChange(@NonNull DataSnapshot snapshot) {
                User user = snapshot.getValue(User.class);
                Picasso.get()
                    .load(user.getProfile())
                    .placeholder(R.drawable.profile_placeholder)
                    .into(profile);
                name.setText(user.getName());
                profession.setText(user.getProfession());
            }
            @Override
        });
    }
}
```

```
public void onCancelled(@NonNull DatabaseError error) {  
    }  
});  
  
if (type.equals("video")){  
    typeOfCall.setText("Video call");  
}else{  
    typeOfCall.setText("Audio call");  
}  
decline.setOnClickListener(new View.OnClickListener() {  
    @Override  
    public void onClick(View view) {  
        Call_ref.setValue("declined");  
        Handler handler = new Handler();  
        handler.postDelayed(new Runnable() {  
            @Override  
            public void run() {  
                Call_ref.removeValue();  
            }  
            },3000);  
        finish();  
    }  
});  
  
String key = userId+FirebaseAuth.getInstance().getUid();  
  
accept.setOnClickListener(new View.OnClickListener() {  
    @Override  
    public void onClick(View view) {  
        Call_ref.setValue("accepted");  
        joinMeeting(key);  
        Handler handler = new Handler();  
        handler.postDelayed(new Runnable() {  
            @Override  
            public void run() {  
                Call_ref.removeValue();  
            }  
            },3000);  
    }  
});
```

```
        }
    private void joinMeeting(String key) {
        try {
            JitsiMeetConferenceOptions.Builder builder = new JitsiMeetConferenceOptions.Builder();
            builder.setServerURL(new URL("https://meet.jit.si"));
            builder.setRoom(key);
            if (typeOfCall.equals("audio")){
                builder.setVideoMuted(true);
            }
            builder.build();
        }

        JitsiMeetActivity.launch(IncomingCallActivity.this,builder.build());
        finish();
    }catch (Exception e){
        Toast.makeText(IncomingCallActivity.this, e.getLocalizedMessage(),
        Toast.LENGTH_SHORT).show();
    }
}
```

LogInActivity.java

```
package com.example.iconnect;

import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;

import android.app.Activity;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
import android.widget.Toast;

import com.google.android.gms.tasks.OnCompleteListener;
import com.google.android.gms.tasks.Task;
import com.google.firebase.auth.AuthResult;
import com.google.firebase.auth.FirebaseAuth;
```

```
import com.google.firebase.auth.FirebaseAuth;
public class LogInActivity extends AppCompatActivity {
    FirebaseAuth auth;
    EditText email,password;
    FirebaseAuth currentUser;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_log_in);
        Button login = findViewById(R.id.login);
        TextView signin = findViewById(R.id.GoSignIn);
        email = findViewById(R.id.email);
        password= findViewById(R.id.password);

        auth = FirebaseAuth.getInstance();
        currentUser = auth.getCurrentUser();

        login.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Toast.makeText(LogInActivity.this, "login clicked", Toast.LENGTH_SHORT).show();

                auth.signInWithEmailAndPassword(email.getText().toString(),password.getText().toString()).addOnCompleteListener(new OnCompleteListener<AuthResult>() {
                    @Override
                    public void onComplete(@NonNull Task<AuthResult> task) {
                        if (task.isSuccessful()){
                            Toast.makeText(LogInActivity.this, "Logging in...", Toast.LENGTH_SHORT).show();
                            Intent intent = new Intent(LogInActivity.this, MainActivity.class);
                            startActivity(intent);
                        }
                        else{
                            Toast.makeText(LogInActivity.this, "Some error occurred!!Please try again.", Toast.LENGTH_SHORT).show();
                        }
                    }
                });
                signin.setOnClickListener(new View.OnClickListener() {
                    @Override

```

```
public void onClick(View view) {
    Intent intent = new Intent(LogInActivity.this,SignInActivity.class);
    startActivity(intent);
}
});
}

@Override
protected void onStart() {
    super.onStart();
    if (currentuser!=null){
        Intent intent = new Intent(LogInActivity.this, MainActivity.class);
        startActivity(intent);
    }
}
}
```

MainActivity.java

```
package com.example.iconnect;

import androidx.appcompat.app.AppCompatActivity;
import androidx.fragment.app.FragmentManager;
import androidx.fragment.app.FragmentTransaction;

import android.os.Bundle;
import android.widget.Toast;

import com.example.iconnect.fragment.AddPostFragment;
import com.example.iconnect.fragment.FriendsFragment;
import com.example.iconnect.fragment.HomeFragment;
import com.example.iconnect.fragment.NotificationFragment;
import com.example.iconnect.fragment.ProfileFragment;
import com.google.android.gms.tasks.OnSuccessListener;
import com.google.firebase.auth.FirebaseAuth;
import com.google.firebaseio.database.FirebaseDatabase;
import com.google.firebaseio.messaging.FirebaseMessaging;
import com.iammert.library.readablebottombar.ReadableBottomBar;

import java.util.HashMap;
```

```
public class MainActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        ReadableBottomBar bottomBar = findViewById(R.id.readableBottomBar);

        FragmentTransaction transaction = getSupportFragmentManager().beginTransaction();
        transaction.replace(R.id.frameContainer,new HomeFragment());
        transaction.commit();

        bottomBar.setOnItemSelectListener(new ReadableBottomBar.ItemSelectListener() {
            @Override
            public void onItemSelected(int i) {
                FragmentTransaction transaction = getSupportFragmentManager().beginTransaction();
                switch(i){
                    case 0:
                        transaction.replace(R.id.frameContainer,new HomeFragment());
                        break;
                    case 1:
                        transaction.replace(R.id.frameContainer,new FriendsFragment());
                        break;
                    case 2:
                        transaction.replace(R.id.frameContainer,new AddPostFragment());
                        break;
                    case 3:
                        transaction.replace(R.id.frameContainer,new NotificationFragment());
                        break;
                    case 4:
                        transaction.replace(R.id.frameContainer,new ProfileFragment());
                        break;
                }
                transaction.commit();
            }
        });
    }

    String uid = FirebaseAuth.getInstance().getUid();

    @Override
    protected void onResume() {
        super.onResume();

        FirebaseDatabase.getInstance().getReference().child("Users").child(uid).child("online").setValue(true);
    }
}
```

```
FirebaseMessaging.getInstance().getToken().addOnSuccessListener(new
OnSuccessListener<String>() {
    @Override
    public void onSuccess(String s) {

FirebaseDatabase.getInstance().getReference().child("Users").child(uid).child("token").setValue(s);
    }
});
}
}

@Override
protected void onPause() {
super.onPause();

FirebaseDatabase.getInstance().getReference().child("Users").child(uid).child("online").setValue(fals
e);
}
}
```

MessageActivity.java

```
package com.example.iconnect;

import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;
import androidx.recyclerview.widget.LinearLayoutManager;
import androidx.recyclerview.widget.RecyclerView;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.EditText;
import android.widget.ImageView;
import android.widget.TextView;
import android.widget.Toast;

import com.android.volley.AuthFailureError;
import com.android.volley.RequestQueue;
import com.android.volley.Response;
import com.android.volley.VolleyError;
```

```
import com.android.volley.toolbox.JsonObjectRequest;
import com.android.volley.toolbox.Volley;
import com.example.ICONNECT.Adapters.messageAdapter;
import com.example.ICONNECT.models.User;
import com.example.ICONNECT.models.message;
import com.google.android.gms.tasks.OnCompleteListener;
import com.google.android.gms.tasks.Task;
import com.google.firebase.auth.FirebaseAuth;
import com.google.firebaseio.database.DataSnapshot;
import com.google.firebaseio.database.DatabaseError;
import com.google.firebaseio.database.FirebaseDatabase;
import com.google.firebaseio.database.ValueEventListener;
import com.squareup.picasso.Picasso;

import org.json.JSONObject;

import java.util.ArrayList;
import java.util.Date;
import java.util.HashMap;
import java.util.Map;

public class MessageActivity extends AppCompatActivity {
    EditText get_message;
    ImageView back,send,profile,audio_call,video_call;
    TextView name;
    FirebaseAuth auth;
    FirebaseDatabase database;
    ArrayList<message> messageArrayList;
    RecyclerView show_message_rv;
    User user;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_message);

        messageArrayList = new ArrayList<>();

        auth = FirebaseAuth.getInstance();
        database = FirebaseDatabase.getInstance();

        get_message = findViewById(R.id.get_message);
        send = findViewById(R.id.send);
        back = findViewById(R.id.back);
        audio_call = findViewById(R.id.audio_call);
        video_call = findViewById(R.id.video_call);
```

```
name = findViewById(R.id.name);
profile = findViewById(R.id.profile);
show_message_rv = findViewById(R.id.show_message_rv);

Intent intent = getIntent();
String userId = intent.getStringExtra("userId");

String sendGroup = auth.getUid()+userId;
String receiveGroup = userId+auth.getUid();

database.getReference().child("Users").child(userId).addValueEventListener(new
ValueEventListener() {
    @Override
    public void onDataChange(@NonNull DataSnapshot snapshot) {
        user = snapshot.getValue(User.class);
        Picasso.get()
            .load(user.getProfile())
            .placeholder(R.drawable.profile_placeholder)
            .into(profile);
        name.setText(user.getName());
    }

    @Override
    public void onCancelled(@NonNull DatabaseError error) {
        }
});

send.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        String messageBody = get_message.getText().toString();
        get_message.setText("");

        message msg = new message();
        msg.setMessageBody(messageBody);
        msg.setMessageBy(auth.getUid());

        String randomKey = database.getReference().push().getKey();

        if (messageBody.equals("")){
            Toast.makeText(MessageActivity.this, "You first have to write message!!",
Toast.LENGTH_SHORT).show();
        }
    }
});
```

```
else{

database.getReference().child("chats").child(sendGroup).child("messages").child(randomKey).setValue(msg).addOnCompleteListener(new OnCompleteListener<Void>() {
    @Override
    public void onComplete(@NonNull Task<Void> task) {

database.getReference().child("chats").child(receiveGroup).child("messages").child(randomKey).setValue(msg);

database.getReference().child("Users").child(FirebaseAuth.getInstance().getUid()).addValueEventListener(new ValueEventListener() {
    @Override
    public void onDataChange(@NonNull DataSnapshot snapshot) {
        User user1 = snapshot.getValue(User.class);
        sendMessage(user1.getName(),msg.getMessageBody(),user.getUserToken());
    }

    @Override
    public void onCancelled(@NonNull DatabaseError error) {

        }
    });
}
});

HashMap<String, Object> lastMsgObj_Sender = new HashMap<>();
lastMsgObj_Sender.put("lastMsg",msg.getMessageBody());
lastMsgObj_Sender.put("timestamp",new Date().getTime());
lastMsgObj_Sender.put("messageFor",userId);

HashMap<String, Object> lastMsgObj_Reciever = new HashMap<>();
lastMsgObj_Reciever.put("lastMsg",msg.getMessageBody());
lastMsgObj_Reciever.put("timestamp",new Date().getTime());
lastMsgObj_Reciever.put("messageFor",auth.getUid());
lastMsgObj_Reciever.put("checkOpen",false);

database.getReference().child("chats").child(sendGroup).updateChildren(lastMsgObj_Sender);

database.getReference().child("chats").child(receiveGroup).updateChildren(lastMsgObj_Reciever);

}
}
```

```
});

messageAdapter adapter = new messageAdapter(sendGroup,receiveGroup,messageArrayList);
LinearLayoutManager linearLayoutManager = new
LinearLayoutManager(MessageActivity.this,LinearLayoutManager.VERTICAL,false);
show_message_rv.setLayoutManager(linearLayoutManager);
show_message_rv.setAdapter(adapter);

database.getReference().child("chats").child(sendGroup).child("messages").addValueEventListener(n
ew ValueEventListener() {
    @Override
    public void onDataChange(@NonNull DataSnapshot snapshot) {
        messageArrayList.clear();
        if (snapshot.exists()){
            for (DataSnapshot snapshot1 : snapshot.getChildren()){
                message message1 = snapshot1.getValue(message.class);
                message1.setMesageId(snapshot1.getKey());
                messageArrayList.add(message1);
            }
        }
        adapter.notifyDataSetChanged();

        show_message_rv.smoothScrollToPosition(show_message_rv.getAdapter().getItemCount());
    }
}

@Override
public void onCancelled(@NonNull DatabaseError error) {

}

});;

back.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        finish();
    }
});;

audio_call.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
```

```
Intent intent1 = new Intent(MessageActivity.this,OutgoingCallActivity.class);
intent1.putExtra("userId",userId);
intent1.putExtra("receiver_token",user.getToken());

intent1.putExtra("type","audio");
startActivity(intent1);
}

});

video_call.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {

        Intent intent1 = new Intent(MessageActivity.this,OutgoingCallActivity.class);
        intent1.putExtra("userId",userId);
        intent1.putExtra("receiver_token",user.getToken());

        intent1.putExtra("type","video");
        startActivity(intent1);
    }
});
}

private void sendMessage(String MessagedBy, String MessageBody, String token) {
try{
    RequestQueue queue = Volley.newRequestQueue(this);
    String url = "https://fcm.googleapis.com/fcm/send";

    JSONObject data = new JSONObject();
    data.put("title", MessagedBy);
    data.put("body", MessageBody);

    JSONObject notificationData = new JSONObject();
    notificationData.put("notification", data);
    notificationData.put("to", token);

    JsonObjectRequest request = new JsonObjectRequest(url, notificationData, new
Response.Listener<JSONObject>() {
        @Override
        public void onResponse(JSONObject response) {
        }
}, new Response.ErrorListener() {
        @Override
        public void onErrorResponse(VolleyError error) {
        }
}
});
```

```
    });

    @Override
    public Map<String, String> getHeaders() throws AuthFailureError {
        HashMap<String, String> map = new HashMap<>();
        String key = "Key=AAAAAhCyQGAQ:APA91bHfaAPIVDNNX69Mi24rMm4r5MfTE-
_D6Pl3R1oq0TrOAt5VuBqSip-Ouq8Urpak_wTmjkk1HBO7240b1Fgu8x-
PPyTK9PiK16wJnOgju2AY9sT0HXhbhpwMrz1if9BNiTs9P8RI";
        map.put("Authorization", key);
        map.put("Content-Type", "application/json");
        return map;
    }
};

queue.add(request);
}

catch (Exception e){
    Toast.makeText(MessageActivity.this, e.getLocalizedMessage(),
    Toast.LENGTH_SHORT).show();
}
}

String uid = FirebaseAuth.getInstance().getUid();

@Override
protected void onResume() {
    super.onResume();

FirebaseDatabase.getInstance().getReference().child("Users").child(uid).child("online").setValue(true);
}

@Override
protected void onPause() {
    super.onPause();

FirebaseDatabase.getInstance().getReference().child("Users").child(uid).child("online").setValue(false);
}
```

OutgoingCallActivity.java

```
package com.example.iconnect;

import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.ImageView;
import android.widget.TextView;
import android.widget.Toast;

import com.android.volley.AuthFailureError;
import com.android.volley.RequestQueue;
import com.android.volley.Response;
import com.android.volley.VolleyError;
import com.android.volley.toolbox.JsonObjectRequest;
import com.android.volley.toolbox.Volley;
import com.example.iconnect.models.User;
import com.google.firebase.auth.FirebaseAuth;
import com.google.firebaseio.database.DataSnapshot;
import com.google.firebaseio.database.DatabaseError;
import com.google.firebaseio.database.FirebaseDatabase;
import com.google.firebaseio.database.ValueEventListener;
import com.squareup.picasso.Picasso;

import org.jitsi.meet.sdk.JitsiMeetActivity;
import org.jitsi.meet.sdk.JitsiMeetConferenceOptions;
import org.json.JSONObject;
import org.w3c.dom.Text;

import java.net.URL;
import java.util.HashMap;
import java.util.Map;

public class OutgoingCallActivity extends AppCompatActivity {
    TextView name,profession,typeOfCall;
    ImageView profile,decline;
    String userId,type;
```

```
@Override  
protected void onCreate(Bundle savedInstanceState) {  
    super.onCreate(savedInstanceState);  
    setContentView(R.layout.activity_outgoing_call);  
    name = findViewById(R.id.name);  
    profession = findViewById(R.id.profession);  
    profile = findViewById(R.id.profile);  
    typeOfCall = findViewById(R.id.type);  
    decline = findViewById(R.id.decline);  
  
    Intent intent = getIntent();  
    userId = intent.getStringExtra("userId");  
    type = intent.getStringExtra("type");  
    String token = intent.getStringExtra("receiver_token");
```

```
FirebaseDatabase.getInstance().getReference().child("Users").child(userId).addListenerForSingleValueEvent(new ValueEventListener() {
```

```
    @Override  
    public void onDataChange(@NonNull DataSnapshot snapshot) {  
        User user = snapshot.getValue(User.class);  
        Picasso.get()  
            .load(user.getProfile())  
            .placeholder(R.drawable.profile_placeholder)  
            .into(profile);  
        name.setText(user.getName());  
        profession.setText(user.getProfession());  
    }
```

```
    @Override  
    public void onCancelled(@NonNull DatabaseError error) {  
    }  
});
```

```
if (type.equals("video")){  
  
    typeOfCall.setText("Video call");  
    sendInvitation("video" ,FirebaseAuth.getInstance().getUid() ,token);  
    checkResponse();  
  
}else{
```

```
typeOfCall.setText("Audio call");
sendInvitation("audio" ,FirebaseAuth.getInstance().getUid() ,token);
checkResponse();
}

decline.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        finish();
    }
});

private void checkResponse() {

    FirebaseDatabase.getInstance().getReference().child("chats").child(FirebaseAuth.getInstance().getUid() + userId).addValueEventListener(new ValueEventListener() {
        @Override
        public void onDataChange(@NonNull DataSnapshot snapshot) {

            if (snapshot.hasChild("response")){
                String response = snapshot.child("response").getValue(String.class);
                if (response.equals("accepted")){
                    Toast.makeText(OutgoingCallActivity.this, "call accepted",
                    Toast.LENGTH_SHORT).show();
                    joinMeeting(FirebaseAuth.getInstance().getUid() + userId);
                } else if (response.equals("declined")){
                    Toast.makeText(OutgoingCallActivity.this, "call declined",
                    Toast.LENGTH_SHORT).show();
                    finish();
                }
            }
        }
    });
}

private void joinMeeting(String Key) {
    try {

        JitsiMeetConferenceOptions.Builder builder = new
        JitsiMeetConferenceOptions.Builder();
        builder.setServerURL(new URL("https://meet.jit.si"));
        builder.setRoom(Key);
        if (type.equals("audio")){
            builder.setVideoMuted(true);
        }
        builder.build();
    }
}
```

```
JitsiMeetActivity.launch(OutgoingCallActivity.this, builder.build());
    finish();
} catch (Exception e) {
    Toast.makeText(OutgoingCallActivity.this, e.getLocalizedMessage(),
    Toast.LENGTH_SHORT).show();
}
}

@Override
public void onCancelled(@NonNull DatabaseError error) {

}

});

}

private void sendInvitation(String Type, String uid, String token) {
try{
    RequestQueue queue = Volley.newRequestQueue(this);
    String url = "https://fcm.googleapis.com/fcm/send";

    JSONObject data = new JSONObject();
    data.put("title", Type);
    data.put("body", uid);

    JSONObject notificationData = new JSONObject();
    notificationData.put("notification", data);
    notificationData.put("to", token);

    JsonObjectRequest request = new JsonObjectRequest(url, notificationData, new
Response.Listener<JSONObject>() {
        @Override
        public void onResponse(JSONObject response) {
            Toast.makeText(OutgoingCallActivity.this, "Invitation sent successfully.",
            Toast.LENGTH_SHORT).show();
        }
    }, new Response.ErrorListener() {
        @Override
        public void onErrorResponse(VolleyError error) {
            Toast.makeText(OutgoingCallActivity.this, error.getLocalizedMessage(),
            Toast.LENGTH_SHORT).show();
        }
    });
}

@Override
public Map<String, String> getHeaders() throws AuthFailureError {
```

```
        HashMap<String, String> map = new HashMap<>();
        String key = "Key=AAAAAhCyQGAQ:APA91bHfaAPIVDNNX69Mi24rMm4r5MfTE-
_D6Pl3R1oq0TrOAt5VuBqSip-Ouq8Urpak_wTmjkq1HBO7240b1Fgu8x-
PPyTK9PiK16wJnOgju2AY9sT0HXhbhpwMrz1if9BNiTs9P8RI";
        map.put("Authorization",key);
        map.put("Content-Type","application/json");
        return map;
    }
};

queue.add(request);
}

catch (Exception e){
    Toast.makeText(OutgoingCallActivity.this, e.getLocalizedMessage(),
Toast.LENGTH_SHORT).show();
}
}
}
```

SignInActivity.java

```
package com.example.iconnect;

import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
import android.widget.Toast;

import com.example.iconnect.models.User;
import com.google.android.gms.tasks.OnCompleteListener;
import com.google.android.gms.tasks.Task;
import com.google.firebase.auth.AuthResult;
import com.google.firebase.auth.FirebaseAuth;
import com.google.firebaseio.database.FirebaseDatabase;

public class SignInActivity extends AppCompatActivity {
```

```
Button signin;
TextView GoLogIn;
EditText email,password,name,profession;
FirebaseAuth auth;
 FirebaseDatabase database;
@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_sign_in);
    signin = findViewById(R.id.signin);
    GoLogIn = findViewById(R.id.GoLogIn);
    email = findViewById(R.id.email);
    password= findViewById(R.id.password);
    name= findViewById(R.id.name);
    profession= findViewById(R.id.profession);

    auth = FirebaseAuth.getInstance();
    database = FirebaseDatabase.getInstance();

    signin.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {

            auth.createUserWithEmailAndPassword(email.getText().toString(),password.getText().toString()).addOnCompleteListener(new OnCompleteListener<AuthResult>() {
                @Override
                public void onComplete(@NonNull Task<AuthResult> task) {
                    if (task.isSuccessful()){
                        User user = new User(name.getText().toString(),profession.getText().toString(),
                                email.getText().toString(),password.getText().toString());
                        String id = task.getResult().getUser().getUid();
                        database.getReference().child("Users").child(id).setValue(user);
                        Toast.makeText(SignInActivity.this, "Signing in...", Toast.LENGTH_SHORT).show();
                        Intent intent = new Intent(SignInActivity.this, MainActivity.class);
                        startActivity(intent);
                    }
                    else{
                        Toast.makeText(SignInActivity.this, "Some error occurred!!Please try again.", Toast.LENGTH_SHORT).show();
                    }
                }
            });
        }
    });
}
```

```
});  
GoLogIn.setOnClickListener(new View.OnClickListener() {  
    @Override  
    public void onClick(View view) {  
        Intent intent = new Intent(SignInActivity.this, LogInActivity.class);  
        startActivity(intent);  
    }  
});  
}  
}
```

SplashActivity.java

```
package com.example.iconnect;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.content.Intent;  
import android.os.Bundle;  
import android.os.Handler;  
import android.util.Log;  
import android.view.WindowManager;  
  
public class SplashActivity extends AppCompatActivity {  
  
    @Override  
    protected void onCreate(Bundle savedInstanceState) {  
        super.onCreate(savedInstanceState);  
        setContentView(R.layout.activity_splash);  
  
        getWindow().setFlags(WindowManager.LayoutParams.FLAG_FULLSCREEN,WindowManager.LayoutParams.FLAG_FULLSCREEN);  
  
        new Handler().postDelayed(new Runnable() {  
            @Override  
            public void run() {  
                Intent intent = new Intent(SplashActivity.this, LogInActivity.class);  
                startActivity(intent);  
            }  
        },4000);  
    }  
}
```

Screenshots



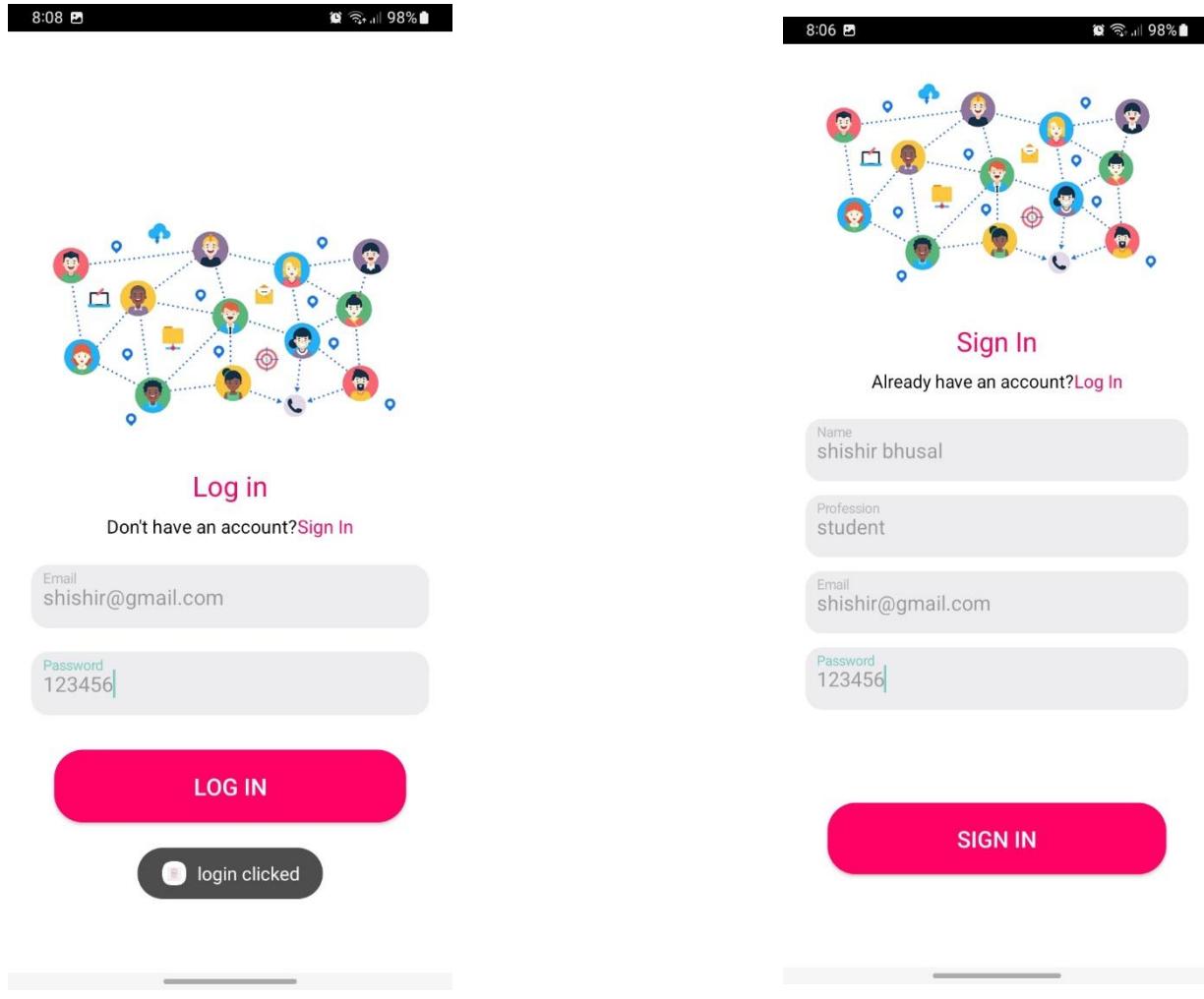
Launcher Screen(Iconnect)



from
Shishir Bhusal

Splash Screen

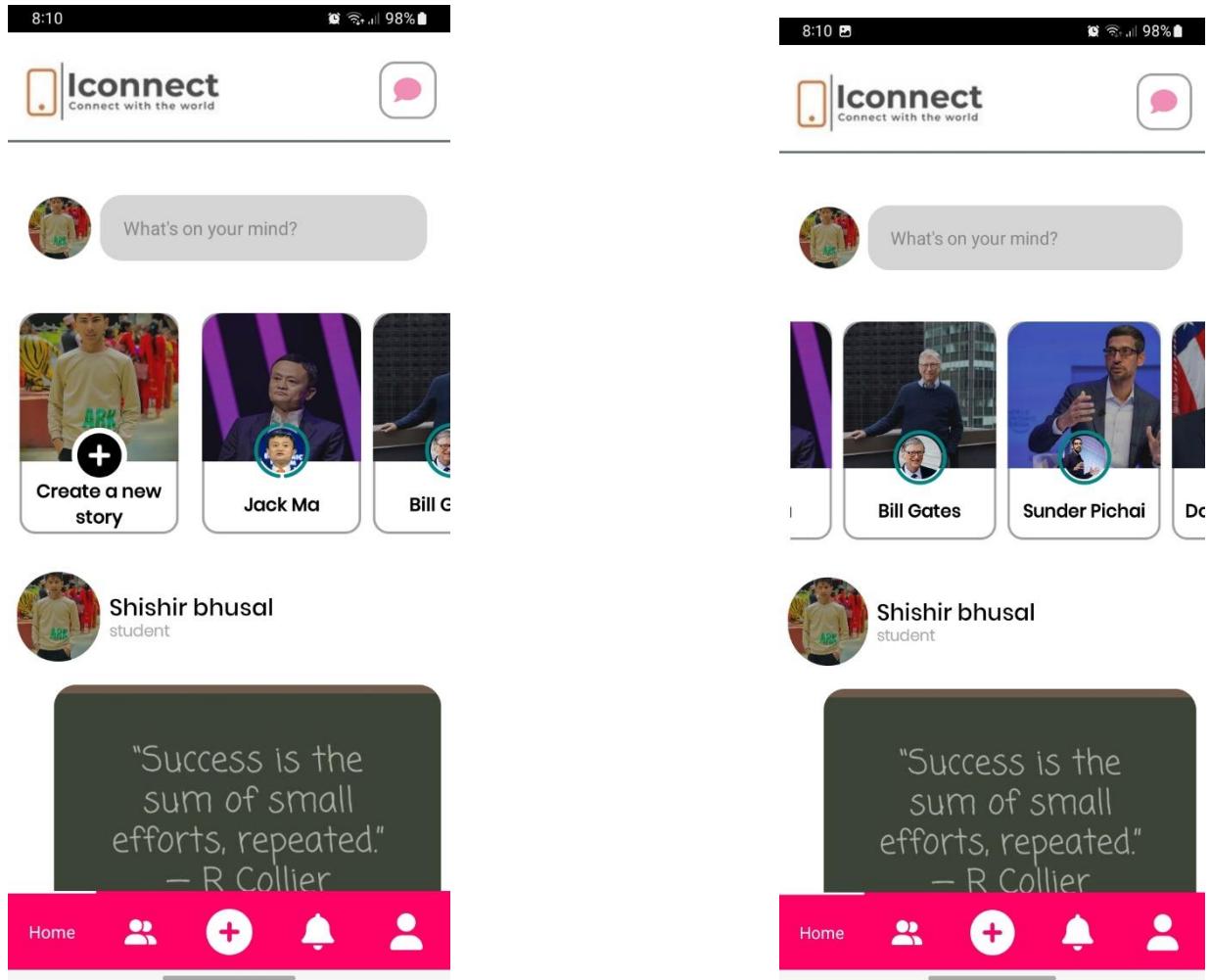
Iconnect application in Android studio using java language



Log In

Sign In

Iconnect application in Android studio using java language

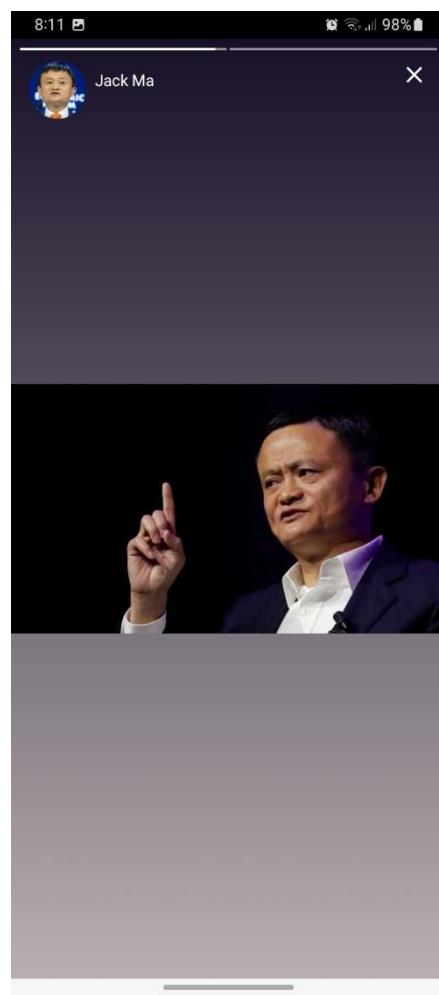


Home

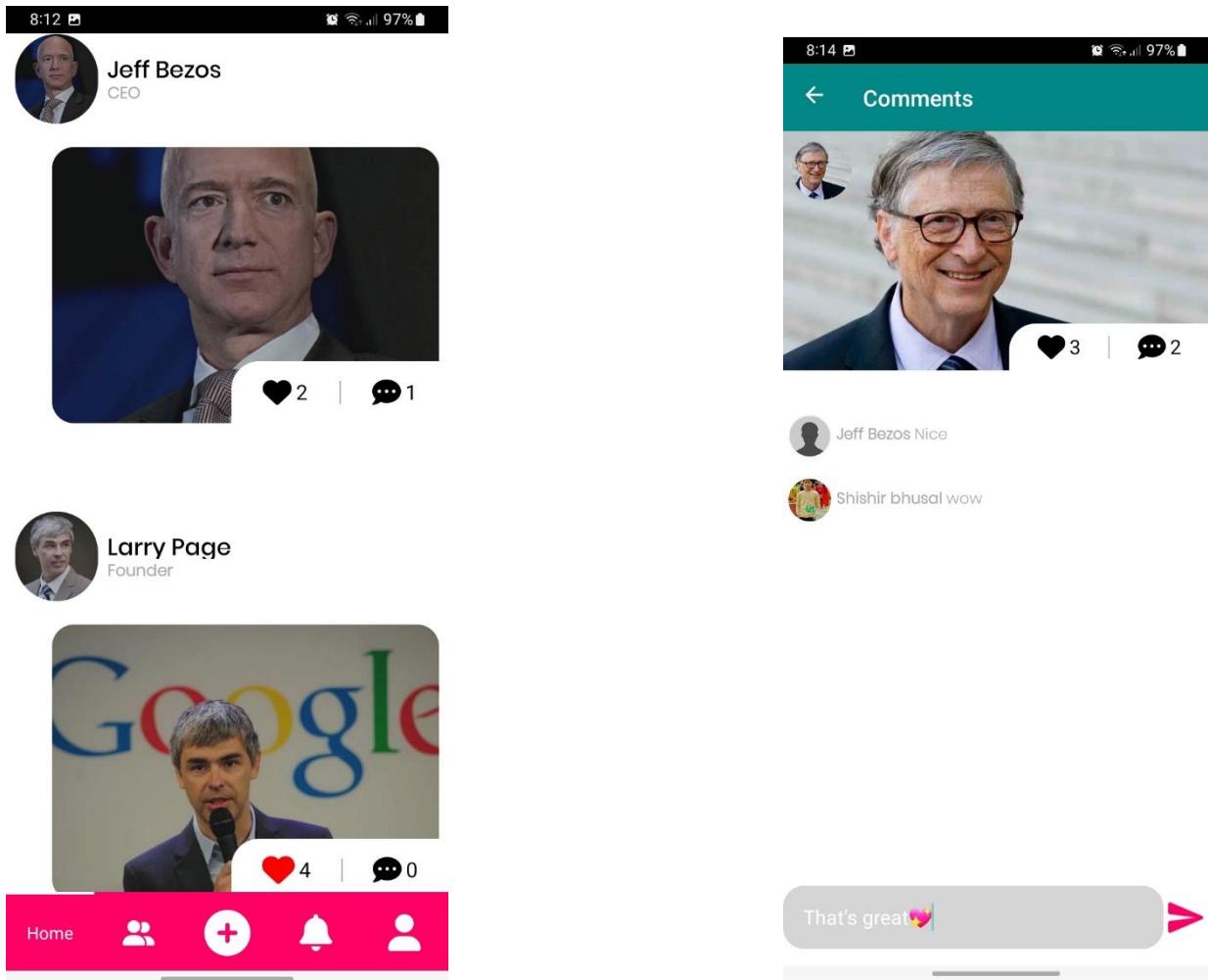
Stories



Single Story

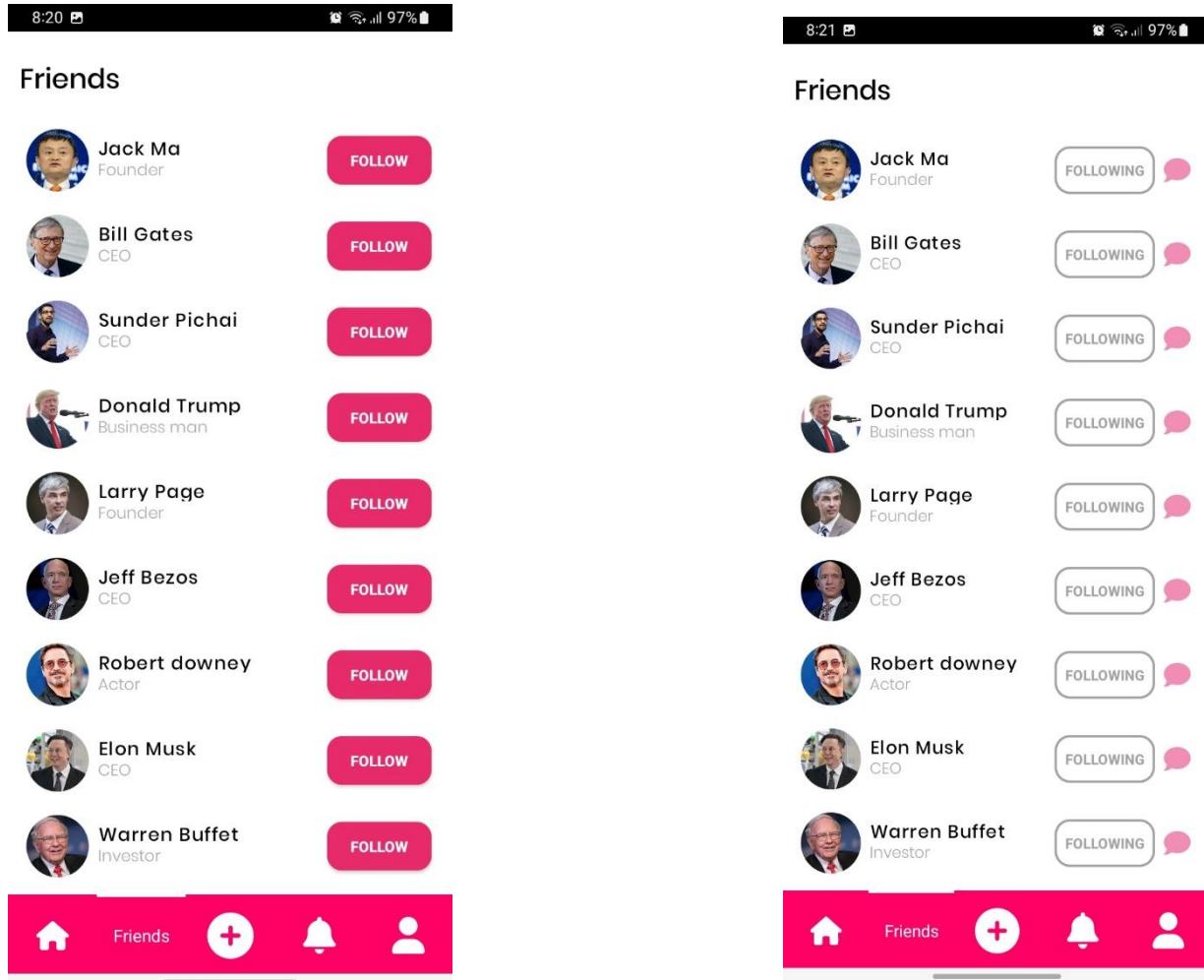


Multiple Stories



Posts

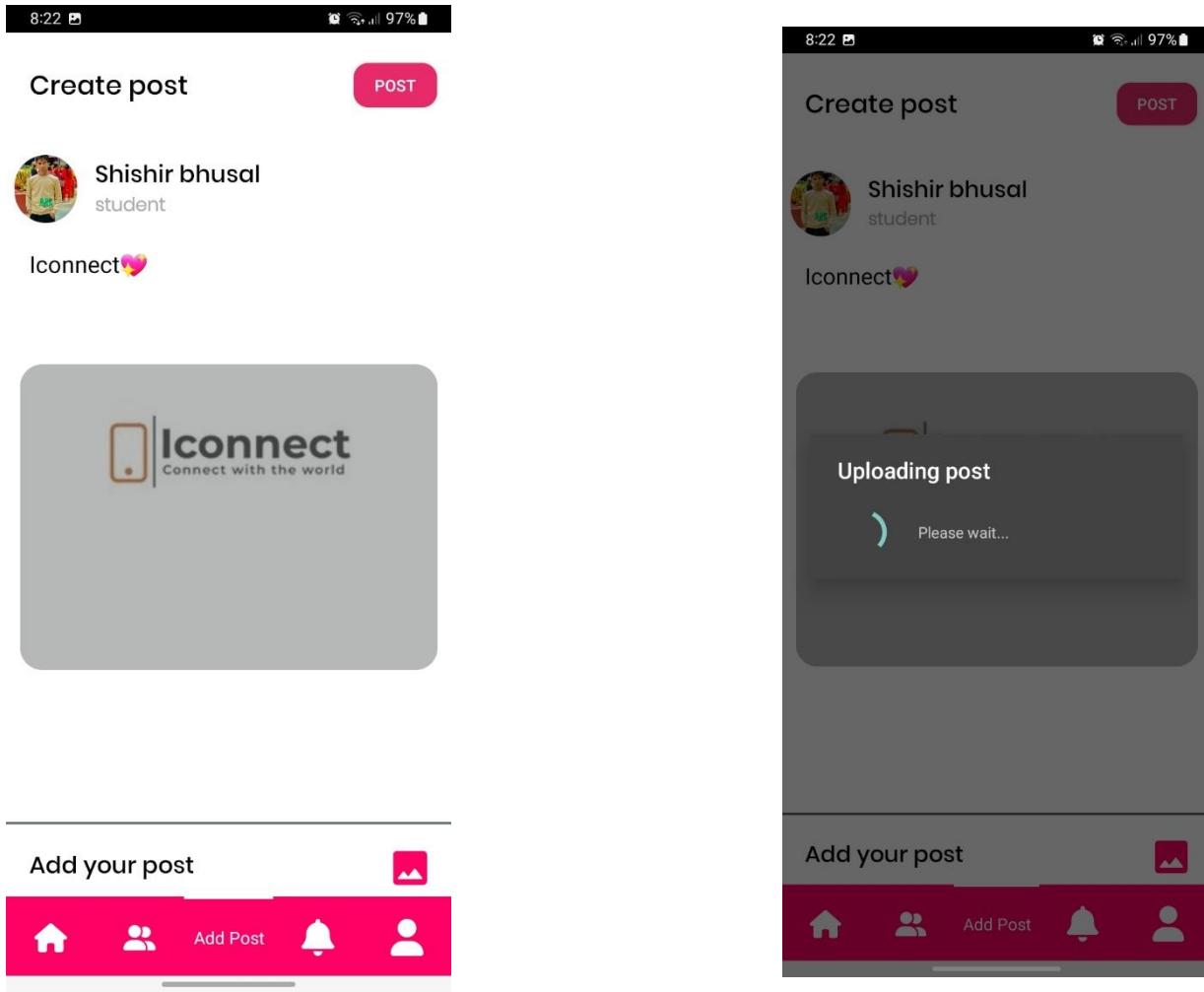
Comments



Friends

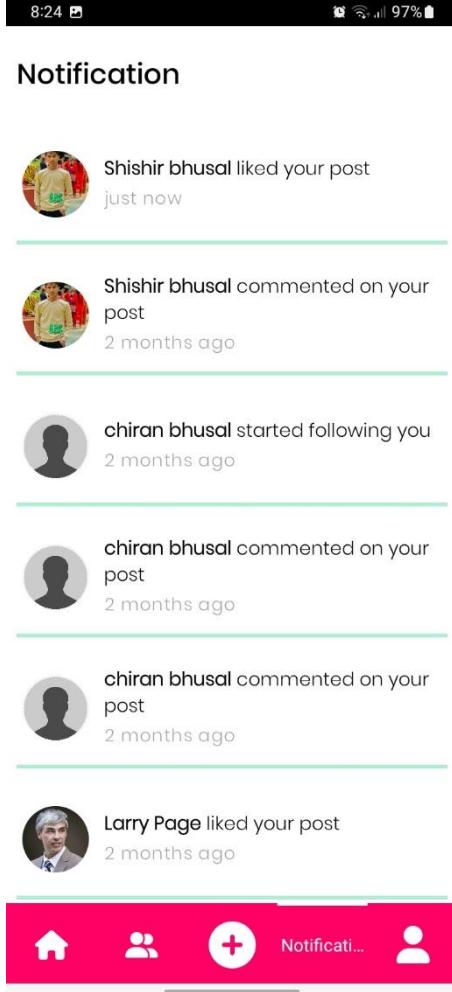
Following Friends

Iconnect application in Android studio using java language

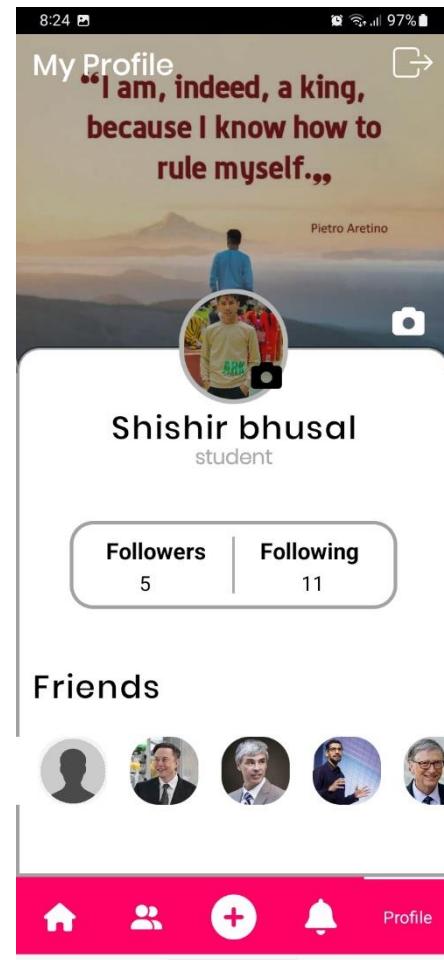


Add Post

Uploading Post

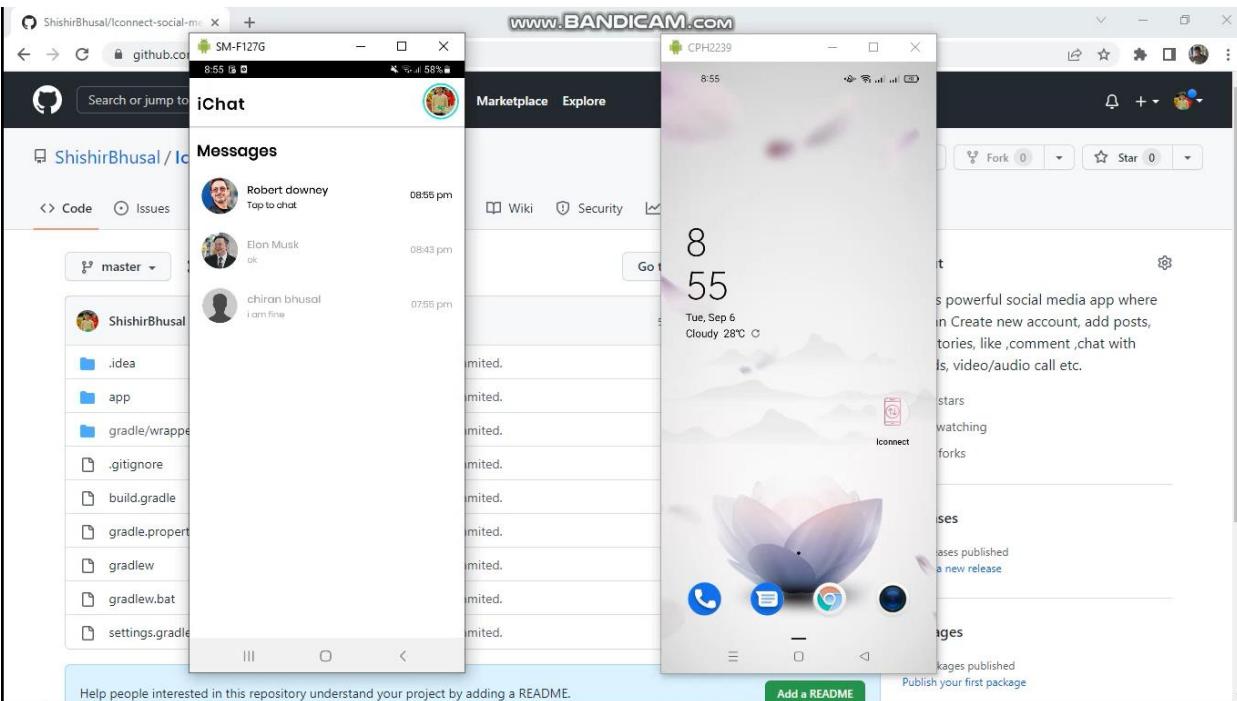


Notification

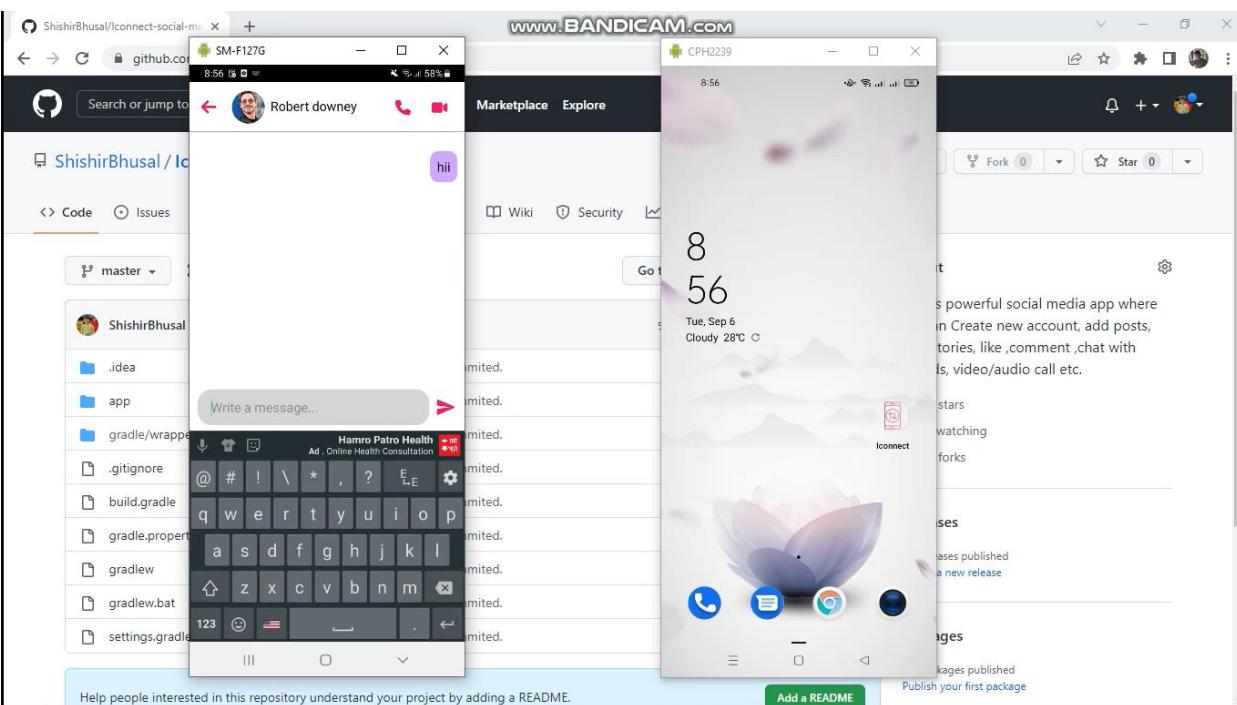


Profile

Iconnect application in Android studio using java language

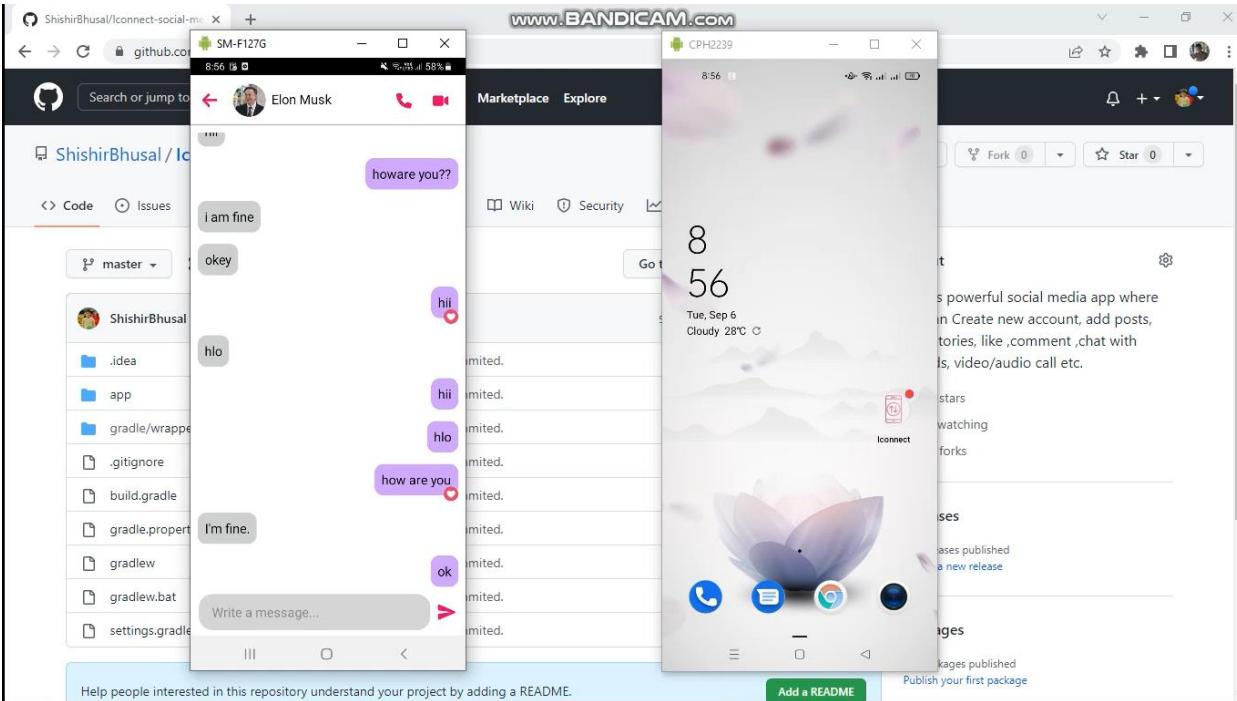


Messages(iChat)

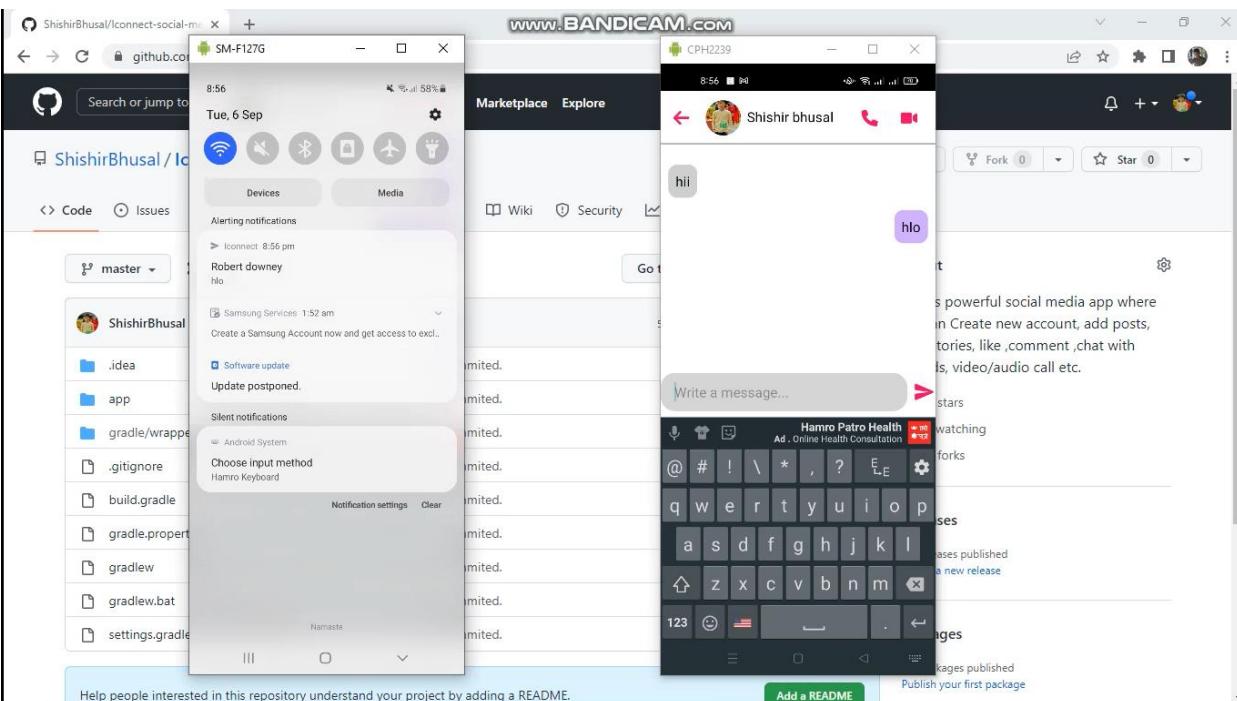


Individual message

Iconnect application in Android studio using java language

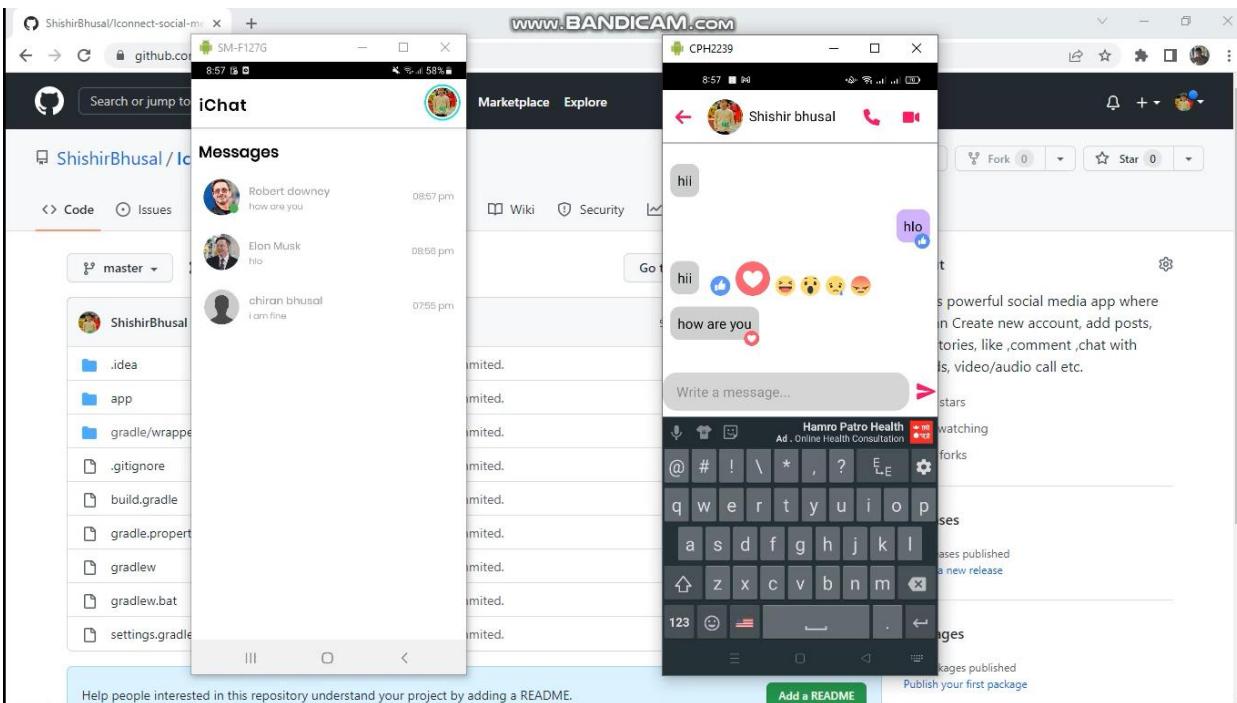


Messages sent

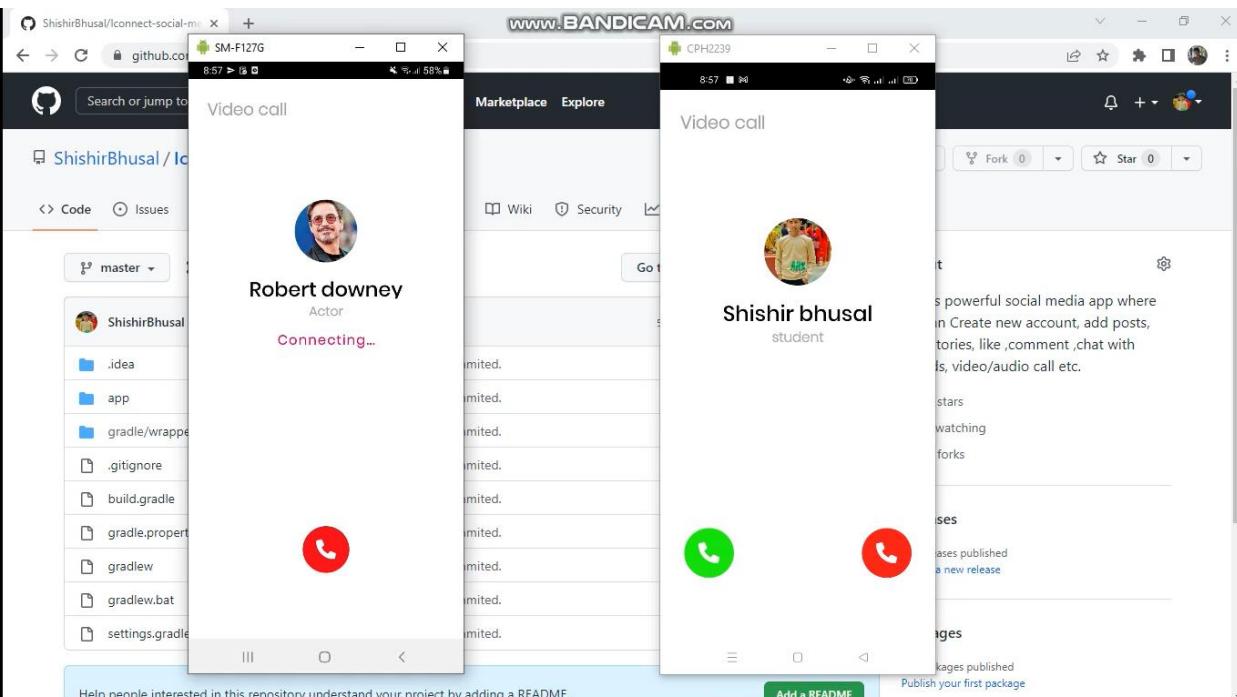


Message received

Iconnect application in Android studio using java language

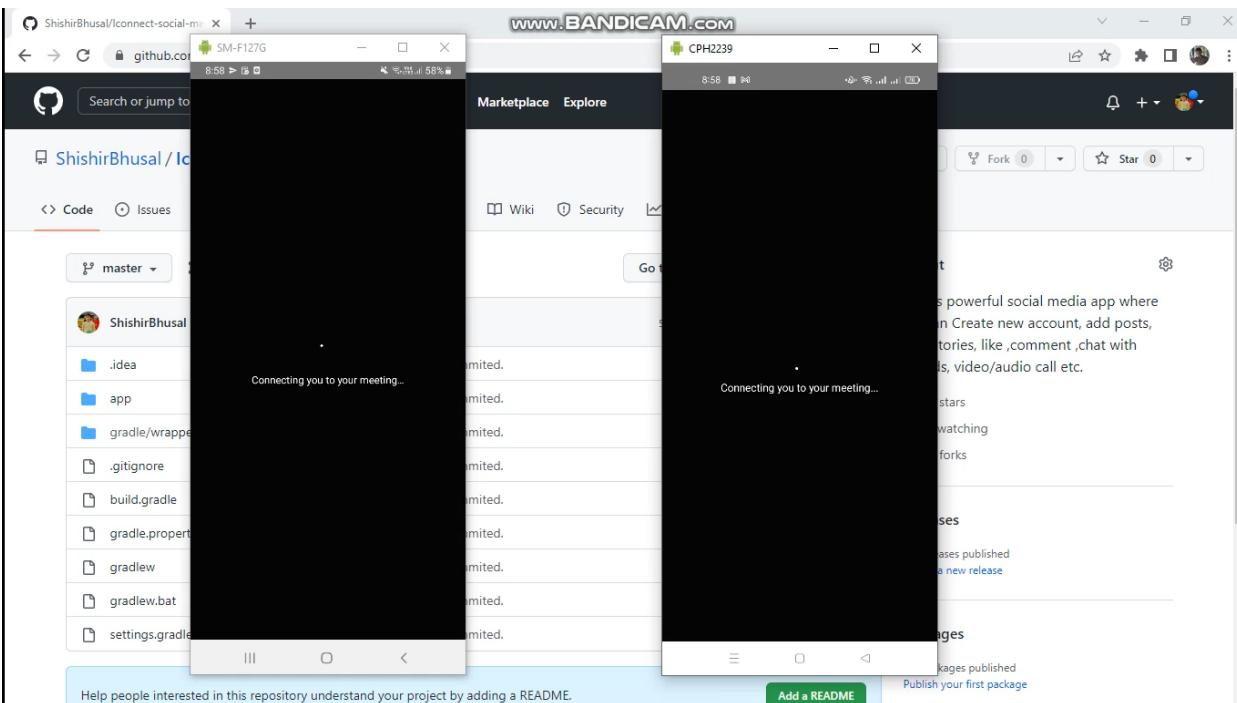


Adding feelings

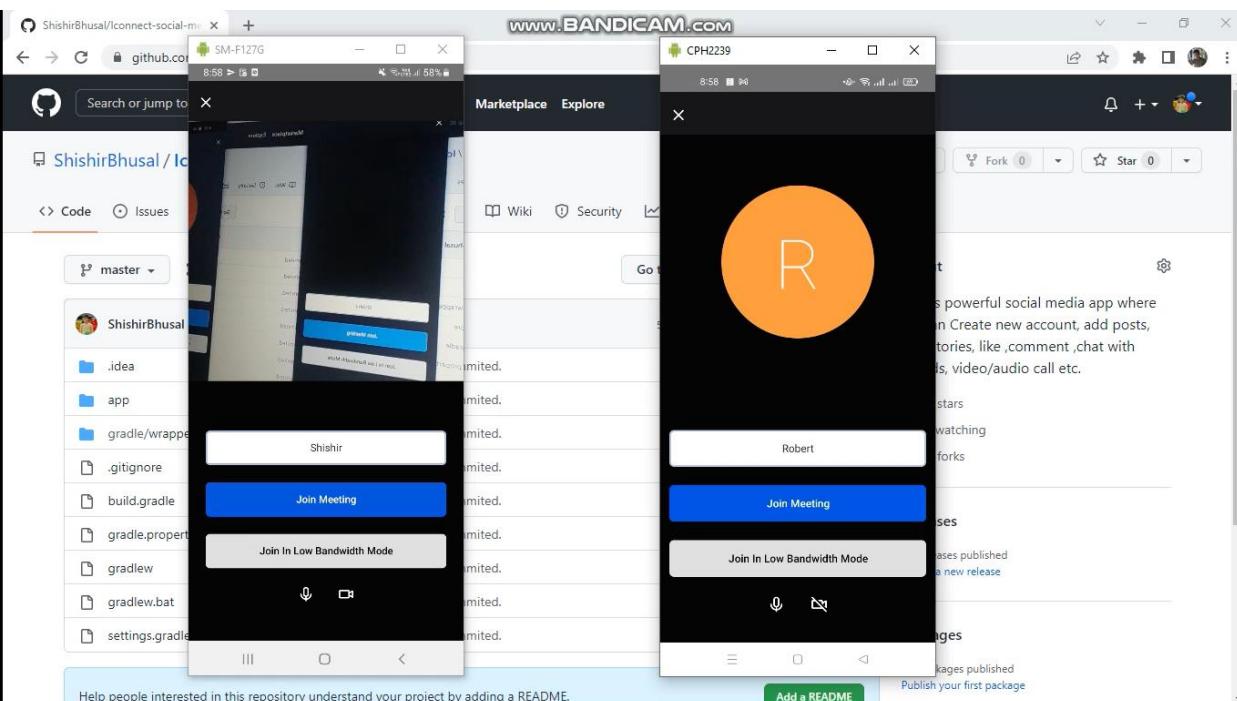


Video Calling

Iconnect application in Android studio using java language

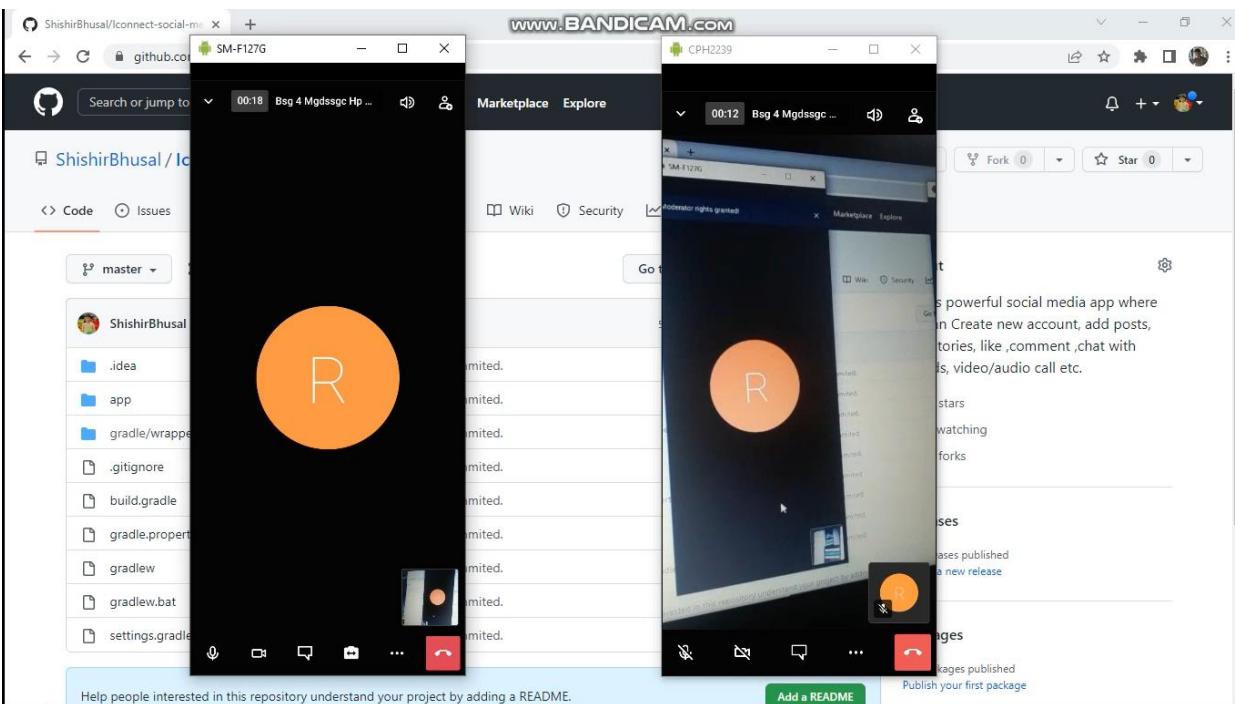


Video Call Received

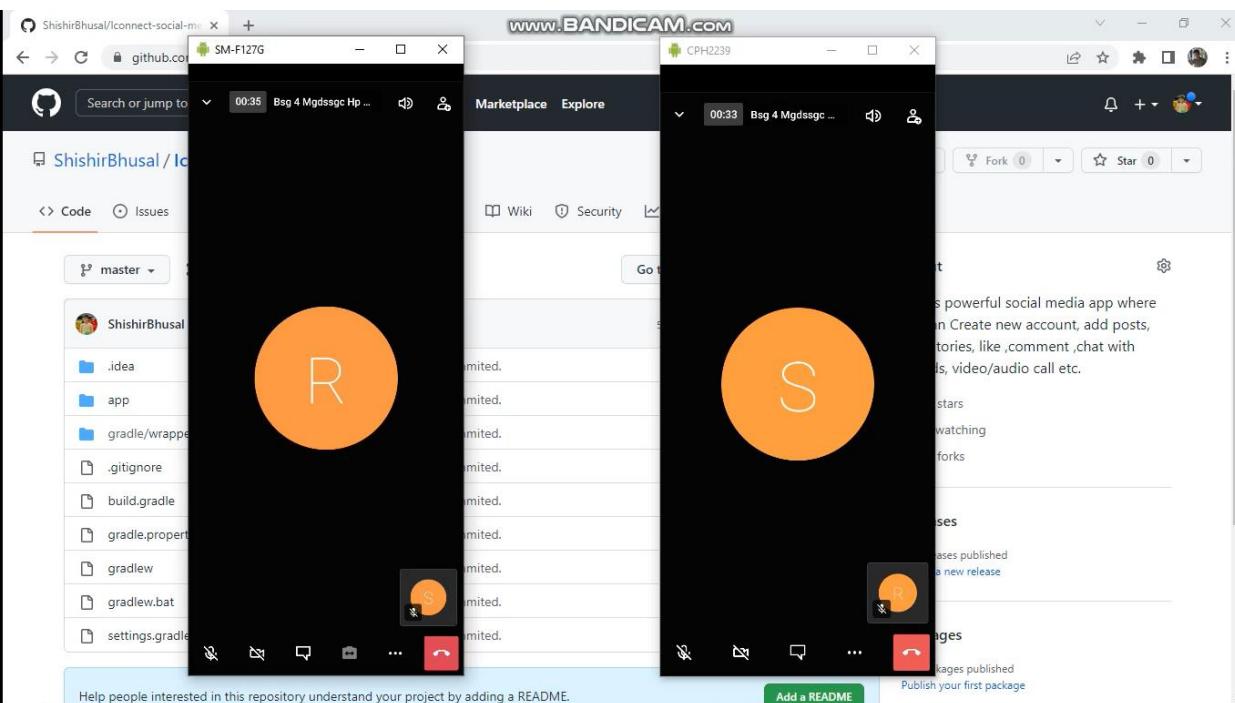


Joining Video Call

Iconnect application in Android studio using java language

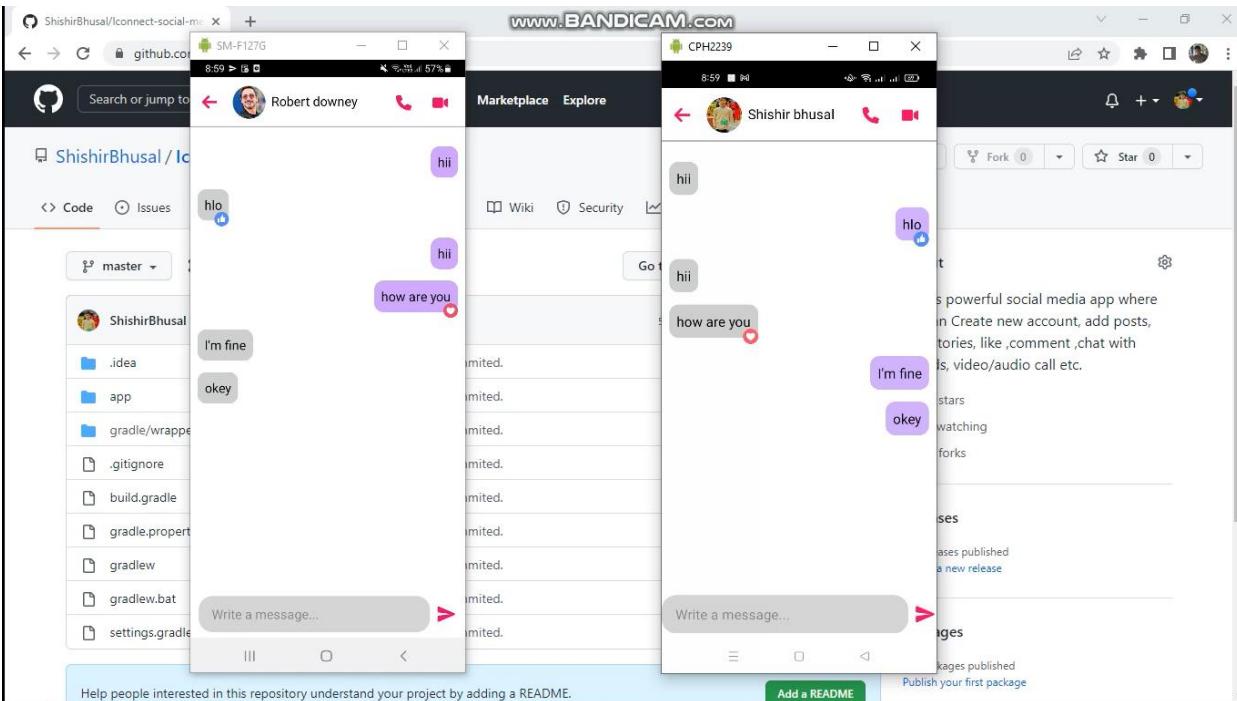


Video call activated(camera on)



Video call activated(camera off)

Iconnect application in Android studio using java language



Video Call Ended

A screenshot of the Firebase Realtime Database console. The database structure is as follows:

```
https://iconnect-1b66d-default-rtdb.firebaseio.com/
  +-- Users
  +-- chats
  +-- notification
  +-- posts
  +-- stories
      +-- 1SkqYsvE6BgeS4k0tPSmFY0x4zz2
          +-- storyBy: 1660672398496
              +-- userstories
      +-- 8sxW6ZPaPidux99i2rKvmJdhKI73
      +-- F1TffubeAedF6wwvc1SrHpiNfx2
```

The database is located in the United States (us-central1).

Realtime Database of Iconnect

References

- <https://developer.android.com/develop/ui/views/layout/recyclerview>
- <https://stackoverflow.com/questions/73129829/how-to-send-and-receive-notifications-like-social-media-apps>
- <https://firebase.google.com/docs/database/android/start>
- <https://github.com/hdodenhof/CircleImageView>
- <https://www.quora.com/How-do-I-build-a-social-networking-site-with-Java>