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PROJECT REPORT ON

Under Supervision-

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ANDROID



SUBMITTED BY

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Acknowledgement

I have taken efforts in this project. However, it would not have been possible without the kind support and help of many individuals and organizations. I would like to extend my sincere thanks to all of them.

I am highly indebted to Netcamp Solutions Pvt. Ltd. For their guidance and constant supervision as well as for providing necessary information regarding the project and also for their support in completing the project.

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I would like to express my special gratitude and thanks to organization persons for giving me such attention and time.

My thanks and appreciations also go to my colleagues in developing the project and people who have willingly helped me out with their abilities.

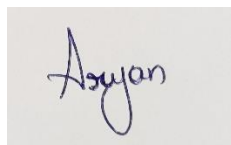
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Signature:

A rectangular box containing a handwritten signature in black ink. The signature appears to be 'Aryan' written in a cursive, stylized script.

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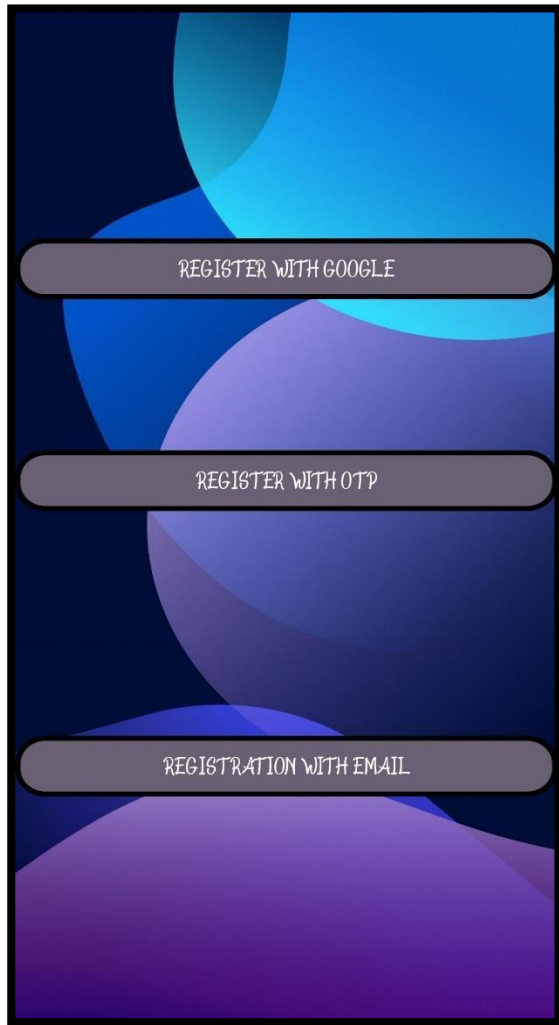
Certificate

*This is to certify that, **Aryan Gupta**, a student of program, **Android with Java Program** has successfully completed a project on Network Management under the guidance of **Mr. Santu Purkait** during the Dates: 15 June-31 August,2021 by Netcamp Solutions Private Limited.*

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activity_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:background="@drawable/nubia"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <Button
        android:id="@+id/button"
        style="@style/Widget.AppCompat.Button.Borderless"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_alignParentEnd="true"
```

```

        android:layout_alignParentRight="true"
        android:layout_centerInParent="true"
        android:layout_marginStart="0dp"
        android:layout_marginTop="346dp"
        android:layout_marginEnd="0dp"
        android:layout_marginRight="0dp"
        android:background="@drawable/rounded_corners8"
        android:text="Register with OTP"
        android:textColor="@color/white" />

<Button
    android:textColor="@color/white"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:id="@+id/button75"
    android:layout_width="match_parent"
    android:background="@drawable/rounded_corners8"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_alignParentBottom="true"
    android:layout_marginBottom="179dp"
    android:text="Registration with Email"
    android:layout_alignParentLeft="true" />

<Button
    android:id="@+id/button81"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_alignParentTop="true"
    android:layout_marginTop="179dp"
    android:background="@drawable/rounded_corners8"
    android:text="Register with Google"
    android:textColor="@color/white"
    android:layout_alignParentLeft="true" />
</RelativeLayout>

```

MainActivity.java

```

package com.example.android;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.widget.Button;

public class MainActivity extends AppCompatActivity {
    Button button, button1, button2;

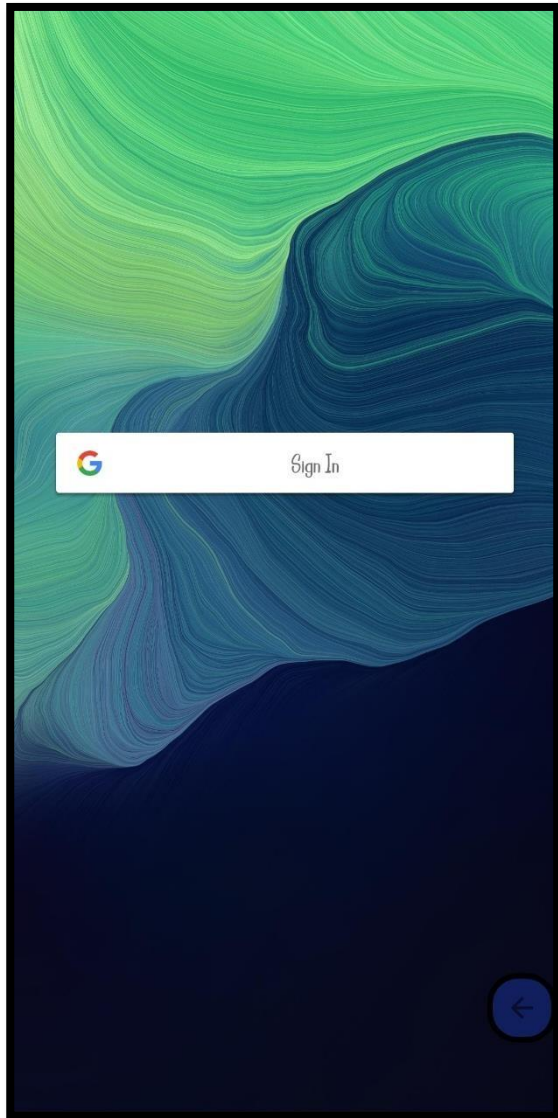
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        button = findViewById(R.id.button);
    }
}

```

```
button1 = findViewById(R.id.button75);
button2 = findViewById(R.id.button81);
button.setOnClickListener(view -> {
    Intent intent = new Intent(MainActivity.this, Otp1.class);
    startActivity(intent);
    finish();
});

button1.setOnClickListener(view -> {
    Intent intent1 = new Intent(MainActivity.this, Email.class);
    startActivity(intent1);
    finish();
});

button2.setOnClickListener(view -> {
    Intent intent2 = new Intent(MainActivity.this, Sign.class);
    startActivity(intent2);
    finish();
});
}
}
```

activity_sign.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:background="@drawable/vivo"
    tools:context=".Sign">

    <com.google.android.gms.common.SignInButton
        android:id="@+id/signin"
        android:layout_width="340dp"
        android:layout_height="wrap_content"
```

```

        android:layout_alignParentTop="true"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="302dp" />

<ImageButton
    android:id="@+id/imageButton34"
    android:layout_width="50dp"
    android:layout_height="50dp"
    android:background="@drawable/rounded_corners6"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_alignParentBottom="true"
    android:layout_marginEnd="0dp"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:layout_marginRight="0dp"
    android:layout_marginBottom="50dp"
    app:srcCompat="?attr/actionModeCloseDrawable" />

</RelativeLayout>

```

Sign.java

```

package com.example.android;

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

import android.content.Intent;
import android.os.Bundle;
import android.widget.ImageButton;
import android.widget.Toast;

import com.google.android.gms.auth.api.signin.GoogleSignIn;
import com.google.android.gms.auth.api.signin.GoogleSignInAccount;
import com.google.android.gms.auth.api.signin.GoogleSignInClient;
import com.google.android.gms.auth.api.signin.GoogleSignInOptions;
import com.google.android.gms.common.SignInButton;
import com.google.android.gms.common.api.ApiException;
import com.google.android.gms.tasks.Task;
import com.google.firebase.auth.AuthCredential;
import com.google.firebase.auth.FirebaseAuth;
import com.google.firebase.auth.FirebaseUser;
import com.google.firebase.auth.GoogleAuthProvider;

public class Sign extends AppCompatActivity {
    SignInButton signInButton ;
    GoogleSignInClient googleSignInClient; // to pick google account
    FirebaseAuth firebaseAuth;
    ImageButton imageButton;

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

```

```

        ImageButton = findViewById(R.id.imageButton34);
        ImageButton.setOnClickListener(view -> {
            Intent intent = new Intent(Sign.this, MainActivity.class);
            startActivity(intent);
            finish();
        });
        signInButton = findViewById(R.id.signIn);
        GoogleSignInOptions googleSignInOptions = new
        GoogleSignInOptions.Builder(GoogleSignInOptions.DEFAULT_SIGN_IN).requestIdToken(
        "59893454723-
        n4976tarlapd5uo2n2kp50ahrlgjc7bs.apps.googleusercontent.com").requestEmail().
        build(); //it picks the email id given by the user and sends it to user for
        verification
        googleSignInClient = GoogleSignIn.getClient(Sign.this ,
        googleSignInOptions); // gmail pe login karake verify karake store kata lai
        signInButton.setOnClickListener(v -> {
            Intent i = googleSignInClient.getSignInIntent();
            startActivityForResult(i , 100);
        });

        firebaseAuth = FirebaseAuth.getInstance();
        FirebaseUser firebaseUser = firebaseAuth.getCurrentUser();
        if(firebaseUser!=null)
        {
            Intent i = new Intent(Sign.this ,
            Sign2.class).setFlags(Intent.FLAG_ACTIVITY_NEW_TASK); //flag se wpo back jane
            pe dobara login nhi karna pdega
            startActivity(i);
            finish();
        }
    }

    @Override
    protected void onActivityResult(int requestCode, int resultCode,
    @Nullable @org.jetbrains.annotations.Nullable Intent data) {
        super.onActivityResult(requestCode, resultCode, data);

        if(requestCode == 100)
        {
            Task<GoogleSignInAccount> signInAccountTask =
            GoogleSignIn.getSignedInAccountFromIntent(data);
            if(signInAccountTask.isSuccessful())
            {
                Toast.makeText(this, "sign in successful",
                Toast.LENGTH_SHORT).show();
                try {
                    GoogleSignInAccount googleSignInAccount =
                    signInAccountTask.getResult(ApiException.class);
                    if(googleSignInAccount != null)
                    {
                        AuthCredential authCredential =
                        GoogleAuthProvider.getCredential(googleSignInAccount.getIdToken(), null);

                        firebaseAuth.signInWithCredential(authCredential).addOnCompleteListener(task
                        -> {

                            if(task.isSuccessful())

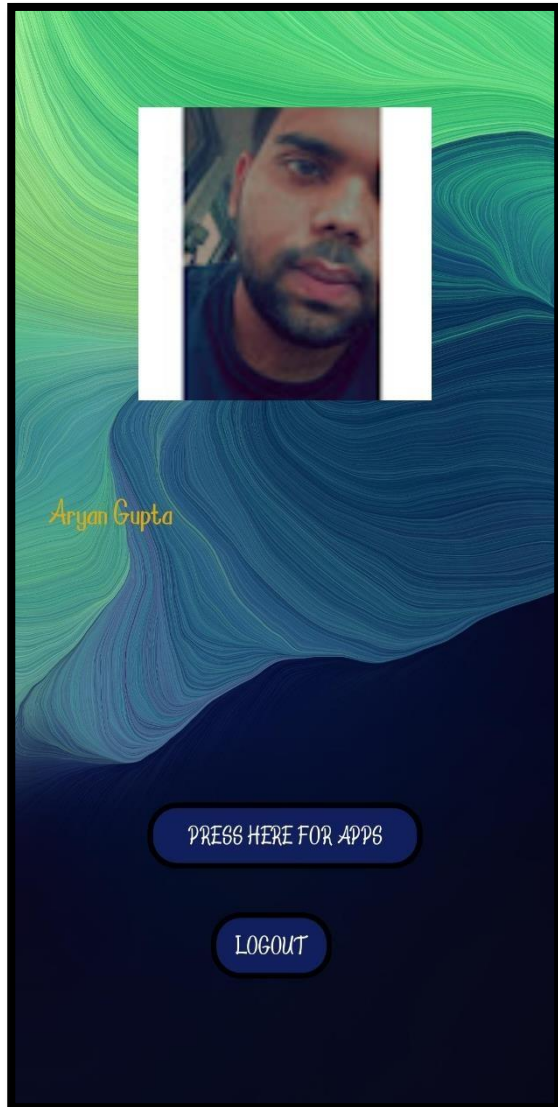
```

```

        {
            Toast.makeText(Sign.this, "firebase database
updated", Toast.LENGTH_SHORT).show();
            Intent i = new Intent(Sign.this ,
Sign2.class).setFlags(Intent.FLAG_ACTIVITY_NEW_TASK);
            startActivity(i);
        }
        else
        {
            Toast.makeText(Sign.this, "database updated",
Toast.LENGTH_SHORT).show();
        }
    });
}

}
catch (ApiException e)
{
    e.printStackTrace();
}
}
}
}

```



activity_sign2.xml

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:background="@drawable/vivo"
    android:layout_height="match_parent"
    tools:context=".Sign2">

    <TextView
        android:textColor="#DCAA12"
        android:textSize="25dp"
        android:id="@+id/textView12"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentLeft="true"
```

```

        android:layout_alignParentTop="true"
        android:layout_centerVertical="true"
        android:layout_marginStart="24dp"
        android:layout_marginLeft="24dp"
        android:layout_marginTop="352dp"
        android:text="TextView" />

<ImageView
    android:id="@+id/imageView6"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentTop="true"
    android:layout_centerHorizontal="true"
    android:layout_marginTop="72dp"
    tools:srcCompat="@tools:sample/avatars" />

<Button
    android:background="@drawable/rounded_corners6"
    android:id="@+id/button82"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_alignParentBottom="true"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:textColor="@color/white"
    android:layout_centerHorizontal="true"
    android:layout_marginEnd="162dp"
    android:layout_marginRight="162dp"
    android:layout_marginBottom="93dp"
    android:text="Logout" />

<Button
    android:background="@drawable/rounded_corners6"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:textColor="@color/white"
    android:id="@+id/button83"
    android:layout_width="200dp"
    android:layout_height="wrap_content"
    android:layout_alignParentBottom="true"
    android:layout_centerHorizontal="true"
    android:layout_marginBottom="173dp"
    android:text="Press here for Apps" />

</RelativeLayout>

```

Sign2.java

```

package com.example.android;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.widget.Button;

```

```

import android.widget.ImageView;
import android.widget.TextView;
import android.widget.Toast;

import com.bumptech.glide.Glide;
import com.google.android.gms.auth.api.signin.GoogleSignIn;
import com.google.android.gms.auth.api.signin.GoogleSignInClient;
import com.google.android.gms.auth.api.signin.GoogleSignInOptions;
import com.google.firebase.auth.FirebaseAuth;
import com.google.firebase.auth.FirebaseUser;

public class Sign2 extends AppCompatActivity {
    ImageView imageView;
    Button button, button1;
    TextView textView;
    FirebaseAuth firebaseAuth ;
    GoogleSignInClient googleSignInClient;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_sign2);
        button1 = findViewById(R.id.button83);
        textView= findViewById(R.id.textView12);
        imageView= findViewById(R.id.imageView6);
        button= findViewById(R.id.button82);
        firebaseAuth = FirebaseAuth.getInstance();
        FirebaseUser firebaseUser = firebaseAuth.getCurrentUser();
        if(firebaseUser!=null)
        {

Glide.with(Sign2.this).load(firebaseUser.getPhotoUrl()).into(imageView);
        textView.setText(firebaseUser.getDisplayName());
        }

        googleSignInClient = GoogleSignIn.getClient(Sign2.this ,
GoogleSignInOptions.DEFAULT_SIGN_IN);
        button.setOnClickListener(v ->
googleSignInClient.signOut().addOnCompleteListener(task -> {
            if(task.isSuccessful())
            {
                Toast.makeText(Sign2.this, "Logout done",
Toast.LENGTH_SHORT).show();
                firebaseAuth.signOut();
                finish();
            }
        }));
        button1.setOnClickListener(view -> {
            Intent intent = new Intent(Sign2.this, Appsmenu.class);
            startActivity(intent);
            finish();
        });
    }
}

```



activity_otp1.xml

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:background="@drawable/motorola"
    android:layout_height="match_parent"
    tools:context=".Otp1">

    <ImageButton
        android:id="@+id/imageButton35"
        android:layout_width="50dp"
        android:layout_height="50dp"
        android:background="@drawable/rounded_corners6"
        android:layout_alignParentEnd="true"
        android:layout_alignParentRight="true"
```



```

        android:layout_alignParentBottom="true"
        android:layout_marginEnd="0dp"
        style="@style/Widget.AppCompat.Button.Borderless"
        android:layout_marginRight="0dp"
        android:layout_marginBottom="50dp"
        app:srcCompat="?attr/actionModeCloseDrawable" />

<com.hbb20.CountryCodePicker
    android:id="@+id/countryCodeHolder"
    android:layout_width="155dp"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_alignParentTop="true"
    android:layout_marginTop="198dp"
    android:background="@drawable/rectangle"
    app:ccp_contentColor="@color/white" />

<EditText
    android:background="@drawable/rectangle"
    android:textColor="@color/white"
    android:textColorHint="@color/white"
    android:id="@+id/editText9"
    android:layout_width="274dp"
    android:layout_height="wrap_content"
    android:layout_alignParentTop="true"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_marginTop="194dp"
    android:layout_marginEnd="0dp"
    android:layout_marginRight="0dp"
    android:ems="10"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:inputType="textPersonName"
    android:hint="Enter your phone number" />

<Button
    android:background="@drawable/rounded_corners6"
    android:textColor="@color/white"
    android:id="@+id/button73"
    android:layout_width="300dp"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:layout_height="wrap_content"
    android:layout_alignParentBottom="true"
    android:layout_centerHorizontal="true"
    android:layout_marginBottom="194dp"
    android:text="Press here for generate OTP" />

</RelativeLayout>

```

Otp1.java

```

package com.example.android;

import androidx.appcompat.app.AppCompatActivity;

```

```

import android.content.Intent;
import android.os.Bundle;
import android.widget.Button;
import android.widget.EditText;
import android.widget.ImageButton;

import com.hbb20.CountryCodePicker;

public class Otp1 extends AppCompatActivity {
    CountryCodePicker countryCodePicker;
    EditText editText;
    Button button;
    ImageButton imageButton;

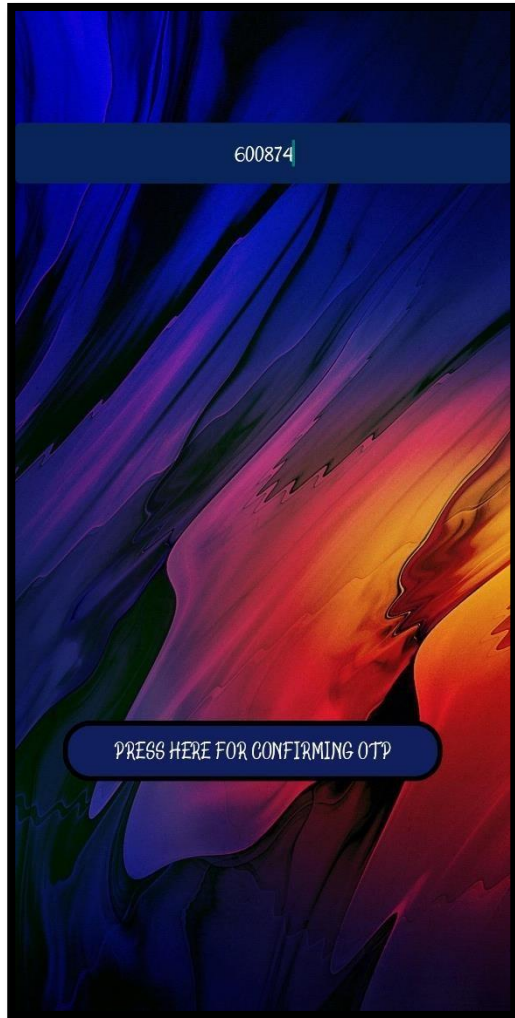
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_otp1);

        editText = findViewById(R.id.editText9);
        imageButton = findViewById(R.id.imageButton35);
        countryCodePicker = (CountryCodePicker)
findViewById(R.id.countryCodeHolder);
        countryCodePicker.registerCarrierNumberEditText(editText);
        button = findViewById(R.id.button73);

        button.setOnClickListener(v -> {
            Intent i = new Intent(Otp1.this, Otp2.class);
            i.putExtra("mobile",
countryCodePicker.getFullNumberWithPlus().trim());
            startActivity(i);
        });

        imageButton.setOnClickListener(view -> {
            Intent back = new Intent(Otp1.this, MainActivity.class);
            startActivity(back);
            finish();
        });
    }
}

```



activity_otp2.xml

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:background="@drawable/motorola"
    android:layout_height="match_parent"
    tools:context=".Otp2">

    <Button
        android:id="@+id/button74"
        style="@style/Widget.AppCompat.Button.Borderless"
        android:layout_width="300dp"
        android:layout_height="wrap_content"
        android:layout_alignParentEnd="true"
        android:layout_alignParentRight="true"
        android:layout_alignParentBottom="true"
        android:layout_centerHorizontal="true"
        android:layout_marginEnd="55dp"
        android:layout_marginRight="55dp"
```

```

        android:layout_marginBottom="184dp"
        android:background="@drawable/rounded_corners6"
        android:text="Press here for Confirming OTP"
        android:textColor="@color/white" />

<EditText
    android:id="@+id/editText10"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_alignParentTop="true"
    android:layout_marginTop="93dp"
    android:ems="10"
    android:textColorHint="@color/white"
    android:textColor="@color/white"
    android:background="@drawable/rectangle"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:inputType="textPersonName"
    android:hint="Enter your OTP"
    android:layout_alignParentLeft="true" />

</RelativeLayout>

```

Otp2.java

```

package com.example.android;

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.Toast;

import com.google.android.gms.tasks.OnCompleteListener;
import com.google.android.gms.tasks.Task;
import com.google.firebase.FirebaseException;
import com.google.firebase.auth.AuthResult;
import com.google.firebase.auth.FirebaseAuth;
import com.google.firebase.auth.PhoneAuthCredential;
import com.google.firebase.auth.PhoneAuthProvider;

import org.jetbrains.annotations.NotNull;

import java.util.concurrent.TimeUnit;

public class Otp2 extends AppCompatActivity {
    EditText editText;
    String phone ;
    Button button;
    String otp ;
    FirebaseAuth firebaseAuth;

```

```

@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_otp2);
    phone = getIntent().getStringExtra("mobile").toString();
    editText=findViewById(R.id.editText10);
    button=findViewById(R.id.button74);
    firebaseAuth = FirebaseAuth.getInstance();

    genotp();

    button.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            if(editText.getText().toString().isEmpty())
            {
                Toast.makeText(Otp2.this, "Pls Enter OTP",
Toast.LENGTH_SHORT).show();
            }
            else
            {
                if(editText.getText().toString().length()!=6)
                {
                    Toast.makeText(Otp2.this, "Invalid OTP",
Toast.LENGTH_SHORT).show();
                }

                else
                {
                    PhoneAuthCredential credential =
PhoneAuthProvider.getCredential(otp, editText.getText().toString());
                    signInWithPhoneAuthCredential(credential);
                }
            }
        }
    });
}

private void genotp()
{
    PhoneAuthProvider.getInstance().verifyPhoneNumber(
        phone, 60, TimeUnit.SECONDS, this, new
PhoneAuthProvider.OnVerificationStateChangedCallbacks() {
        @Override
        public void onCodeSent(@NonNull @NotNull String s,
@NonNull @NotNull PhoneAuthProvider.ForceResendingToken forceResendingToken)
        {
            super.onCodeSent(s, forceResendingToken);
            otp = s;
        }

        @Override
        public void onVerificationCompleted(@NonNull
@org.jetbrains.annotations.NotNull PhoneAuthCredential phoneAuthCredential) {
            signInWithPhoneAuthCredential(phoneAuthCredential);
        }
    }
}

```

```

        @Override
        public void onVerificationFailed(@NonNull
@org.jetbrains.annotations.NotNull FirebaseException e) {
            Toast.makeText(Otp2.this, "OTP mismatched",
Toast.LENGTH_SHORT).show();

        }
    }

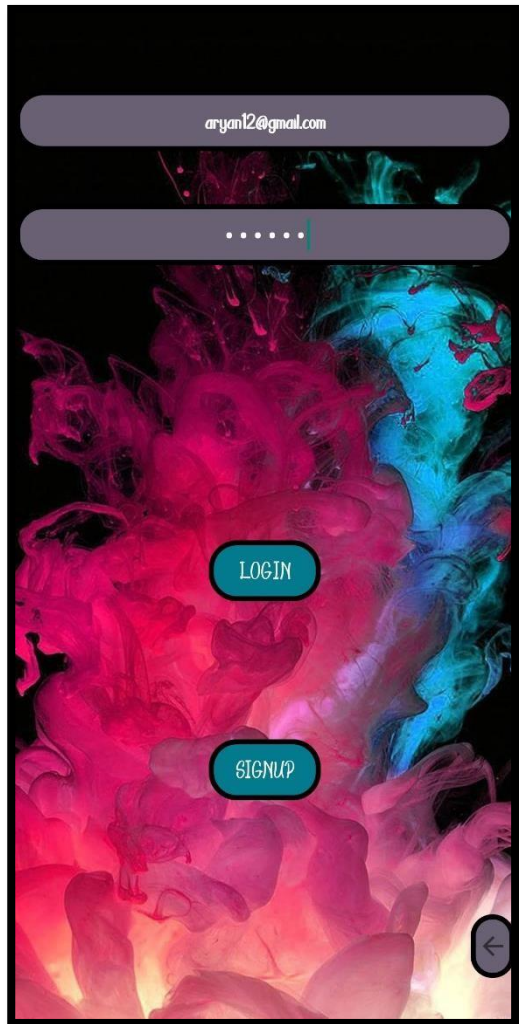
    );

}

    private void signInWithPhoneAuthCredential (PhoneAuthCredential
credential)
    {

firebaseAuth.signInWithCredential(credential).addOnCompleteListener(new
OnCompleteListener<AuthResult>() {
    @Override
    public void onComplete(@NonNull @NotNull Task<AuthResult> task) {
        if(task.isSuccessful())
        {
            Toast.makeText(Otp2.this, "Login done",
Toast.LENGTH_SHORT).show();
            Intent j = new Intent(Otp2.this , Appsmenu.class);
            startActivity(j);
            finish();
        }
        else
        {
            Toast.makeText(Otp2.this, "Not done",
Toast.LENGTH_SHORT).show();
        }
    }
});
    }
}

```



activity_email.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:background="@drawable/colors"
    tools:context=".Email">

    <EditText
        android:id="@+id/editText11"
        style="@style/Widget.AppCompat.Button.Borderless"
        android:layout_width="409dp"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentLeft="true"
        android:layout_alignParentTop="true"
        android:layout_marginStart="0dp"
        android:layout_marginLeft="0dp"
```

```
    android:layout_marginTop="65dp"
    android:background="@drawable/rounded_corners8"
    android:ems="10"
    android:hint="Enter your Email"
    android:inputType="textPersonName"
    android:textColor="@color/white"
    android:textColorHint="@color/white"
    android:textStyle="bold" />
```

```
<EditText
    android:id="@+id/editText12"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_alignParentTop="true"
    android:layout_marginStart="0dp"
    android:layout_marginLeft="0dp"
    android:layout_marginTop="155dp"
    android:background="@drawable/rounded_corners8"
    android:ems="10"
    android:hint="Enter your password"
    android:inputType="textPersonName"
    android:textColor="@color/white"
    android:textColorHint="@color/white"
    android:textStyle="bold" />
```

```
<Button
    style="@style/Widget.AppCompat.Button.Borderless"
    android:textColor="@color/white"
    android:background="@drawable/rounded_corners2"
    android:id="@+id/button77"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentBottom="true"
    android:layout_centerHorizontal="true"
    android:layout_marginBottom="331dp"
    android:text="Login" />
```

```
<Button
    android:textColor="@color/white"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:background="@drawable/rounded_corners2"
    android:id="@+id/button78"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentBottom="true"
    android:layout_centerHorizontal="true"
    android:layout_marginBottom="174dp"
    android:text="Signup" />
```

```
<ProgressBar
    android:id="@+id/progressBar"
    style="?android:attr/progressBarStyle"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
```



```

        android:visibility="invisible"
        android:layout_alignParentBottom="true"
        android:layout_centerHorizontal="true"
        android:layout_marginBottom="80dp" />

<ImageButton
    android:id="@+id/imageButton36"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:layout_width="50dp"
    android:layout_height="50dp"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_alignParentEnd="true"
    android:layout_alignParentBottom="true"
    android:layout_marginStart="358dp"
    android:layout_marginLeft="358dp"
    android:background="@drawable/rounded_corners8"
    android:layout_marginEnd="0dp"
    android:layout_marginBottom="34dp"
    app:srcCompat="?attr/actionModeCloseDrawable"
    android:layout_alignParentRight="true"
    android:layout_marginRight="0dp" />
</RelativeLayout>

```

Email.java

```

package com.example.android;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.text.InputType;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.ImageButton;
import android.widget.ProgressBar;
import android.widget.Toast;

import com.google.firebase.auth.FirebaseAuth;

public class Email extends AppCompatActivity {
    EditText editText, editText1;
    ImageButton imageButton;
    Button button, button1;
    ProgressBar progressBar;
    FirebaseAuth firebaseAuth;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_email);
        imageButton = findViewById(R.id.imageButton36);
        imageButton.setOnClickListener(view -> {

```

```

        Intent back = new Intent(Email.this, MainActivity.class);
        startActivity(back);
        finish();
    });
    editText = findViewById(R.id.editText11);
    editText1 = findViewById(R.id.editText12);

    editText1.setInputType(InputType.TYPE_CLASS_TEXT|InputType.TYPE_TEXT_VARIATION_PASSWORD);
    button = findViewById(R.id.button77);
    button1 = findViewById(R.id.button78);
    progressBar = findViewById(R.id.progressBar);
    firebaseAuth=FirebaseAuth.getInstance();

    button.setOnClickListener(v -> {
        String s1 = editText.getText().toString().trim(); //trim removes extra spaces from string
        String s2 = editText1.getText().toString();
        if(s1.isEmpty())
        {
            editText.setError("Fill username");
            return;
        }
        else
        {
            if(s2.isEmpty())
            {
                editText1.setError("Fill password");
                return;
            }
        }
        progressBar.setVisibility(View.VISIBLE);

        firebaseAuth.signInWithEmailAndPassword(s1,s2).addOnCompleteListener(task ->
        {
            if(task.isSuccessful())
            {
                Toast.makeText(Email.this, "login done",
                Toast.LENGTH_SHORT).show();
                progressBar.setVisibility(View.INVISIBLE);
                Intent intent = new Intent(Email.this , Appsmenu.class);
                startActivity(intent);
            }

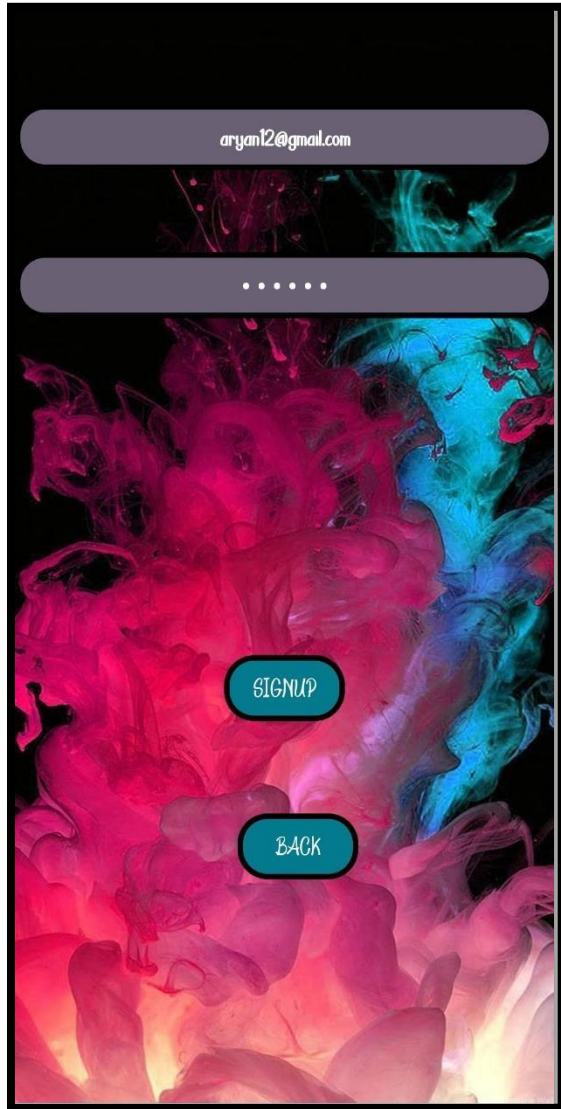
            else
            {
                Toast.makeText(Email.this, "Mismatch",
                Toast.LENGTH_SHORT).show();
                Intent intent1 = new Intent(Email.this , Email2.class);
                startActivity(intent1);
            }
            finish();
        });
    });
    button1.setOnClickListener(v -> {
        Intent intent2 = new Intent(Email.this , Email2.class);
        startActivity(intent2);
    });

```

```

        finish();
    });
}
}

```



activity_email2.xml

```

<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:background="@drawable/colors"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".Email2">

    <EditText
        android:textColor="@color/white"

```

```
    android:textColorHint="@color/white"
    android:textStyle="bold"
    android:background="@drawable/rounded_corners8"
    android:id="@+id/editText13"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_alignParentTop="true"
    android:layout_marginStart="0dp"
    android:layout_marginLeft="0dp"
    android:layout_marginTop="71dp"
    android:ems="10"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:inputType="textPersonName"
    android:hint="Enter your Email" />
```

```
<EditText
    android:id="@+id/editText14"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_alignParentTop="true"
    android:layout_marginStart="0dp"
    android:layout_marginLeft="0dp"
    android:layout_marginTop="179dp"
    android:background="@drawable/rounded_corners8"
    android:ems="10"
    android:hint="Enter your Password"
    android:inputType="textPersonName"
    android:textColor="@color/white"
    android:textColorHint="@color/white"
    android:textStyle="bold" />
```

```
<Button
    android:id="@+id/button79"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentBottom="true"
    android:layout_centerHorizontal="true"
    android:layout_marginBottom="278dp"
    android:background="@drawable/rounded_corners2"
    android:text="Signup"
    android:textColor="@color/white" />
```

```
<Button
    android:id="@+id/button80"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_alignParentBottom="true"
    android:layout_centerHorizontal="true"
```

```

        android:layout_marginStart="162dp"
        android:layout_marginLeft="162dp"
        android:layout_marginBottom="163dp"
        android:background="@drawable/rounded_corners2"
        android:text="back"
        android:textColor="@color/white" />

<ProgressBar
    android:id="@+id/progressBar2"
    style="?android:attr/progressBarStyle"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:visibility="invisible"
    android:layout_alignParentBottom="true"
    android:layout_centerHorizontal="true"
    android:layout_marginBottom="48dp" />
</RelativeLayout>

```

Email2.java

```

package com.example.android;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.text.InputType;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.ProgressBar;
import android.widget.Toast;

import com.google.firebase.auth.FirebaseAuth;

public class Email2 extends AppCompatActivity {
    EditText editText, editText1;
    Button button, button1;
    ProgressBar progressBar;
    FirebaseAuth firebaseAuth;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_email2);

        editText = findViewById(R.id.editText13);
        editText1 = findViewById(R.id.editText14);

        editText1.setInputType(InputType.TYPE_CLASS_TEXT|InputType.TYPE_TEXT_VARIATION_PASSWORD);
        button = findViewById(R.id.button79);
        button1 = findViewById(R.id.button80);
        progressBar = findViewById(R.id.progressBar2);
        firebaseAuth = FirebaseAuth.getInstance();
    }
}

```

```

        button.setOnClickListener(v -> {
            String s1 = editText.getText().toString().trim(); //trim removes
extra spaces from string
            String s2 = editText1.getText().toString();
            if(s1.isEmpty())
            {
                editText.setError("Fill username");
                return;
            }
            else
            {
                if(s2.isEmpty())
                {
                    editText1.setError("Fill password");
                    return;
                }
            }

            progressBar.setVisibility(View.VISIBLE);

            firebaseAuth.createUserWithEmailAndPassword(s1,s2).addOnCompleteListener(task
-> {
                if(task.isSuccessful())
                {
                    Toast.makeText(Email2.this, "Registration dene",
Toast.LENGTH_SHORT).show();
                    progressBar.setVisibility(View.INVISIBLE);
                    Intent intent = new Intent(Email2.this , Email.class);
                    startActivity(intent);
                }

                else
                {
                    Toast.makeText(Email2.this, "User already exist",
Toast.LENGTH_SHORT).show();
                    progressBar.setVisibility(View.INVISIBLE);
                    Intent intent1 = new Intent(Email2.this , Email.class);
                    startActivity(intent1);
                }
                finish();
            });
        });
        button1.setOnClickListener(v -> {
            Intent intent2 = new Intent(Email2.this , Email.class);
            startActivity(intent2);
            finish();
        });
    }
}

```

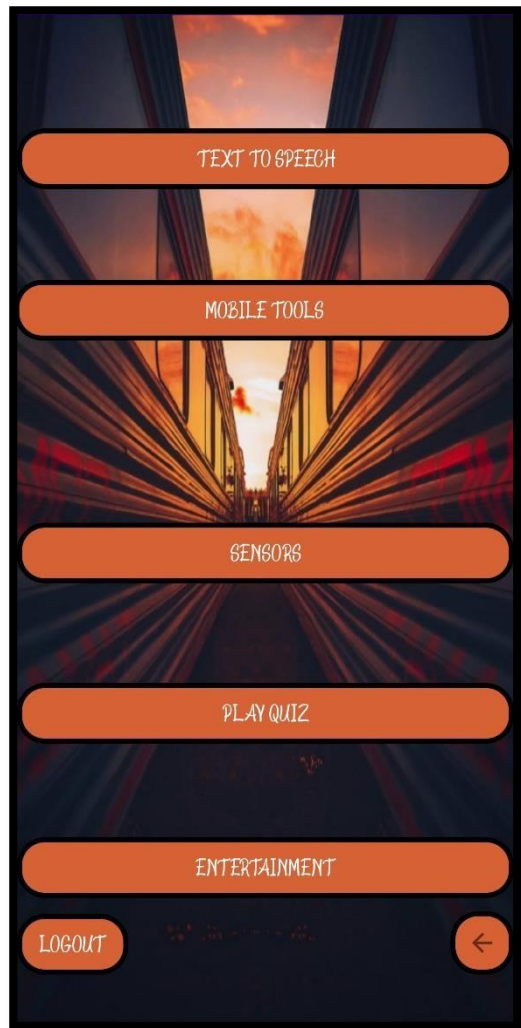
(5) Honest Review: Bhuj | Ajay D... android - Authentication - Fire...
https://console.firebase.google.com/u/0/project/android-5ad3e/authentication/users

android Authentication Go to docs

Search by email address, phone number, or user UID Add user

Identifier	Providers	Created ↓	Signed In	User UID
muskanbhardwaj123ksj@g...	Google	Aug 7, 2021	Aug 7, 2021	W8VoDsClruSPAnMe3COwbf8XT...
+917505564711	Phone	Aug 7, 2021	Aug 7, 2021	OCK8RaJGjWZDW9pccbzHJYVXe...
deeptisingh1617@gmail.c...	Email	Aug 7, 2021	Aug 7, 2021	2s3TPKtrk4T5vsgjX6pRXQDNdeI2
+918279951589	Phone	Aug 6, 2021	Aug 6, 2021	0Ez1pNbGhsZvZONmxOQgB2rau7...
shailendrisharma2001@g...	Google	Aug 6, 2021	Aug 6, 2021	15r6KGaebTMjZBajcgmbdjkfk52
yashgupta1305.yg@gmail...	Google	Aug 6, 2021	Aug 6, 2021	QXa8LdncVXIzCzCrlmIZ8EC1As2
divyavindragnata5@gmail...	Google	Aug 6, 2021	Aug 6, 2021	wlJkn3RNISS5Cjvc4DsekcXcU1K3
guptaaryan949@gmail.com	Google	Aug 6, 2021	Aug 14, 2021	mrcJcb5zToWd6psVYm54XDc8ZO...
aryan1@gmail.com	Email	Aug 5, 2021	Aug 5, 2021	JmZ40DFGV8N9bBeBwqg6bF3nF...
+919452826379	Phone	Aug 5, 2021	Aug 5, 2021	xBAgyxLNMUNmuZz5MglllWuLAm...
aryan12@gmail.com	Email	Aug 5, 2021	Aug 15, 2021	MZDwmG25A3Mqo4W0y6kjdBZK...
+916306493382	Phone	Aug 5, 2021	Aug 14, 2021	YFgwiXAmgbMxGwePBzFeDcvh...

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activity_appsmenu.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:background="@drawable/appsmenu"
    android:layout_height="match_parent"
    tools:context=".Appsmenu">

    <Button
        style="@style/Widget.AppCompat.Button.Borderless"
        android:textColor="@color/white"
        android:background="@drawable/rounded_corners"
        android:id="@+id/button2"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentLeft="true"
        android:layout_alignParentTop="true"
```



```
    android:layout_marginStart="0dp"
    android:layout_marginLeft="0dp"
    android:layout_marginTop="90dp"
    android:text="@string/text_to_speech" />
```

```
<Button
    android:textColor="@color/white"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:background="@drawable/rounded_corners"
    android:id="@+id/button3"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_alignParentTop="true"
    android:layout_marginStart="-2dp"
    android:layout_marginLeft="-2dp"
    android:layout_marginTop="210dp"
    android:text="@string/mobile_tools" />
```

```
<Button
    android:id="@+id/button4"
    android:textColor="@color/white"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:background="@drawable/rounded_corners"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_alignParentBottom="true"
    android:layout_centerVertical="true"
    android:layout_marginStart="0dp"
    android:layout_marginLeft="0dp"
    android:layout_marginBottom="348dp"
    android:text="@string/sensors" />
```

```
<Button
    android:textColor="@color/white"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:id="@+id/button5"
    android:background="@drawable/rounded_corners"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_alignParentBottom="true"
    android:layout_marginStart="0dp"
    android:layout_marginLeft="0dp"
    android:layout_marginBottom="221dp"
    android:text="@string/play_quiz" />
```

```
<Button
    android:textColor="@color/white"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:background="@drawable/rounded_corners"
    android:id="@+id/button6"
    android:layout_width="match_parent"
```

```

        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentLeft="true"
        android:layout_alignParentBottom="true"
        android:layout_marginStart="0dp"
        android:layout_marginLeft="0dp"
        android:layout_marginBottom="99dp"
        android:text="Entertainment" />

<ImageButton
    android:id="@+id/imageButton"
    android:layout_width="50dp"
    android:layout_height="50dp"
    android:layout_alignParentEnd="true"
    android:layout_alignParentBottom="true"
    android:layout_marginEnd="0dp"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:background="@drawable/rounded_corners"
    android:layout_marginBottom="38dp"
    app:srcCompat="?attr/actionModeCloseDrawable"
    android:layout_alignParentRight="true"
    android:layout_marginRight="0dp"
    android:contentDescription="@string/todo" />

<Button
    android:id="@+id/button76"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_alignParentBottom="true"
    android:layout_marginBottom="38dp"
    android:text="Logout"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:textColor="@color/white"
    android:background="@drawable/rounded_corners"
    android:layout_alignParentLeft="true" />

</RelativeLayout>

```

Appsmenu.java

```

package com.example.android;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.widget.Button;
import android.widget.ImageButton;

import com.google.firebase.auth.FirebaseAuth;

public class Appsmenu extends AppCompatActivity {
    Button button, button1, button2, button3, button4, button5;

```

```

ImageButton imageButton;
FirebaseAuth firebaseAuth;

@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_appsmenu);
    button = findViewById(R.id.button2);
    button1 = findViewById(R.id.button3);
    button2 = findViewById(R.id.button4);
    button3 = findViewById(R.id.button5);
    button4 = findViewById(R.id.button6);
    button5 = findViewById(R.id.button76);
    firebaseAuth = FirebaseAuth.getInstance();
    imageButton = findViewById(R.id.imageButton);

    button.setOnClickListener(view -> {
        Intent intent = new Intent(Appsmenu.this, Texttospe.class);
        startActivity(intent);
        finish();
    });

    button1.setOnClickListener(view -> {
        Intent intent1 = new Intent(Appsmenu.this, Mobiletools.class);
        startActivity(intent1);
        finish();
    });

    button2.setOnClickListener(view -> {
        Intent intent2 = new Intent(Appsmenu.this, Sensors.class);
        startActivity(intent2);
        finish();
    });

    button3.setOnClickListener(view -> {
        Intent intent3 = new Intent(Appsmenu.this, Quiz.class);
        startActivity(intent3);
        finish();
    });

    button4.setOnClickListener(view -> {
        Intent intent4 = new Intent(Appsmenu.this, Moreapps.class);
        startActivity(intent4);
        finish();
    });

    button5.setOnClickListener(view -> {
        firebaseAuth.signOut();
        Intent intent5 = new Intent(Appsmenu.this, MainActivity.class);
        startActivity(intent5);
        finish();
    });

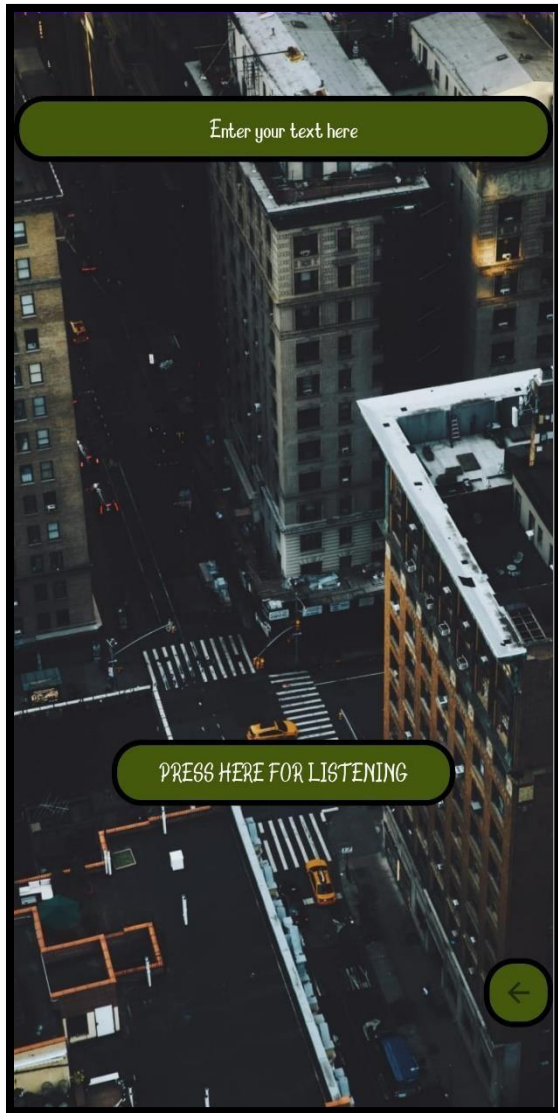
    imageButton.setOnClickListener(view -> {
        Intent back = new Intent(Appsmenu.this, Sign2.class);
        startActivity(back);
        finish();
    });

```

```

    });
}

```



activity_texttospe.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:background="@drawable/text"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".Texttospe">

    <EditText
        android:id="@+id/editText"

```

```

        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:textColor="@color/white"
        android:layout_alignParentStart="true"
        android:layout_alignParentLeft="true"
        android:layout_alignParentTop="true"
        android:layout_marginStart="0dp"
        android:layout_marginLeft="0dp"
        android:layout_marginTop="61dp"
        android:ems="10"
        android:background="@drawable/rounded_corners1"
        android:textColorHint="@color/white"
        android:hint="Enter your text here"
        style="@style/Widget.AppCompat.Button.Borderless"
        android:inputType="textPersonName" />

<Button
    android:id="@+id/button7"
    android:layout_width="250dp"
    android:layout_height="wrap_content"
    android:layout_alignParentBottom="true"
    android:background="@drawable/rounded_corners1"
    android:layout_centerHorizontal="true"
    android:layout_marginBottom="221dp"
    android:textColor="@color/white"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:text="Press here for listening" />

<ImageButton
    android:id="@+id/imageButton2"
    android:background="@drawable/rounded_corners1"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:layout_width="50dp"
    android:layout_height="50dp"
    android:layout_alignParentEnd="true"
    android:layout_alignParentBottom="true"
    android:layout_marginBottom="60dp"
    app:srcCompat="?attr/actionModeCloseDrawable"
    android:layout_alignParentRight="true" />
</RelativeLayout>

```

Texttospe.java

```

package com.example.android;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.speech.tts.TextToSpeech;
import android.widget.Button;
import android.widget.EditText;
import android.widget.ImageButton;

import java.util.Locale;

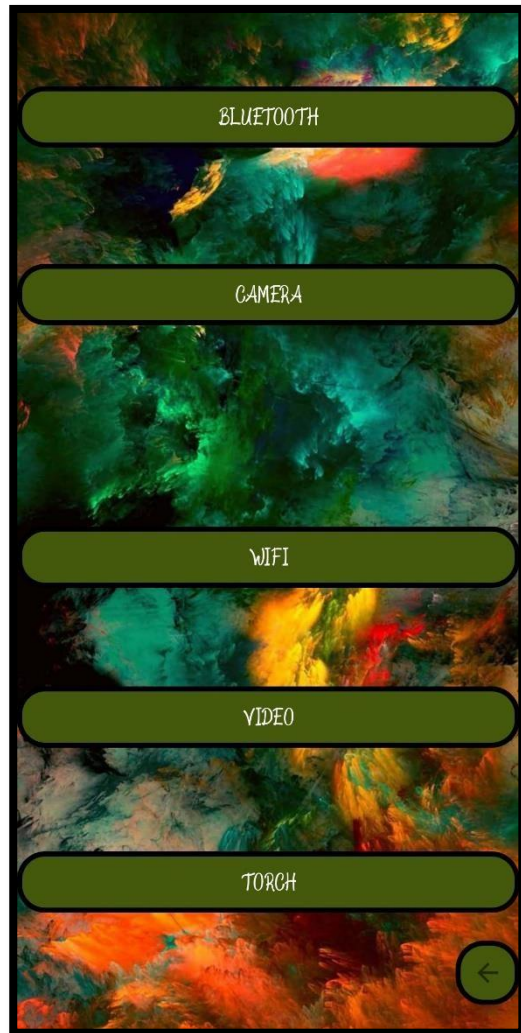
```

```

public class Texttospe extends AppCompatActivity {
    ImageButton imageButton;
    Button button;
    EditText editText;
    TextToSpeech textToSpeech;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_texttospe);
        imageButton = findViewById(R.id.imageButton2);
        button = findViewById(R.id.button7);
        editText = findViewById(R.id.editText);
        textToSpeech = new TextToSpeech(this, i -> {
            textToSpeech.setLanguage(Locale.ENGLISH);
            textToSpeech.setSpeechRate(0.8f);
        });
        button.setOnClickListener(view -> {
            String string = editText.getText().toString();
            textToSpeech.speak(string, TextToSpeech.QUEUE_FLUSH, null);
        });
        imageButton.setOnClickListener(view -> {
            Intent back = new Intent(Texttospe.this, Appsmenu.class);
            startActivity(back);
            finish();
        });
    }
}

```



activity_mobilletools.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:background="@drawable/com"
    android:layout_height="match_parent"
    tools:context=".Mobiletools">

    <Button
        android:id="@+id/button15"
        style="@style/Widget.AppCompat.Button.Borderless"
        android:textColor="@color/white"
        android:background="@drawable/rounded_corners1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentLeft="true"
```

```
android:layout_alignParentTop="true"
android:layout_marginStart="0dp"
android:layout_marginLeft="0dp"
android:layout_marginTop="60dp"
android:text="Bluetooth" />
```

```
<Button
    style="@style/Widget.AppCompat.Button.Borderless"
    android:textColor="@color/white"
    android:background="@drawable/rounded_corners1"
    android:id="@+id/button16"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_alignParentTop="true"
    android:layout_marginStart="0dp"
    android:layout_marginLeft="0dp"
    android:layout_marginTop="199dp"
    android:text="Camera" />
```

```
<Button
    android:textColor="@color/white"
    android:background="@drawable/rounded_corners1"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:id="@+id/button17"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_alignParentBottom="true"
    android:layout_centerVertical="true"
    android:layout_marginStart="0dp"
    android:layout_marginLeft="0dp"
    android:layout_marginBottom="346dp"
    android:text="Wifi" />
```

```
<Button
    android:textColor="@color/white"
    android:background="@drawable/rounded_corners1"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:id="@+id/button18"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_alignParentBottom="true"
    android:layout_marginStart="0dp"
    android:layout_marginLeft="0dp"
    android:layout_marginBottom="221dp"
    android:text="Video" />
```

```
<Button
    android:textColor="@color/white"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:background="@drawable/rounded_corners1"
    android:id="@+id/button19"
```



```

        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentLeft="true"
        android:layout_alignParentBottom="true"
        android:layout_marginStart="0dp"
        android:layout_marginLeft="0dp"
        android:layout_marginBottom="92dp"
        android:text="Torch" />

<ImageButton
    android:id="@+id/imageButton9"
    android:layout_width="50dp"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:background="@drawable/rounded_corners1"
    android:layout_height="50dp"
    android:layout_alignParentEnd="true"
    android:layout_alignParentBottom="true"
    android:layout_marginBottom="20dp"
    app:srcCompat="?attr/actionModeCloseDrawable"
    android:layout_alignParentRight="true" />
</RelativeLayout>

```

Mobiletools.java

```

package com.example.android;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.widget.Button;
import android.widget.ImageButton;

public class Mobiletools extends AppCompatActivity {
    Button button, button1, button2, button3, button4;
    ImageButton imageButton;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_mobiletools);
        button = findViewById(R.id.button15);
        button1 = findViewById(R.id.button16);
        button2 = findViewById(R.id.button17);
        button3 = findViewById(R.id.button18);
        button4 = findViewById(R.id.button19);
        imageButton = findViewById(R.id.imageButton9);

        button.setOnClickListener(view -> {
            Intent intent = new Intent(Mobiletools.this, Bluetooth.class);
            startActivity(intent);
            finish();
        });
    }
}

```

```
button1.setOnClickListener(view -> {
    Intent intent1 = new Intent(Mobiletools.this, Cam.class);
    startActivity(intent1);
    finish();
});

button2.setOnClickListener(view -> {
    Intent intent2 = new Intent(Mobiletools.this, Wifi.class);
    startActivity(intent2);
    finish();
});

button3.setOnClickListener(view -> {
    Intent intent3 = new Intent(Mobiletools.this, Video.class);
    startActivity(intent3);
    finish();
});

button4.setOnClickListener(view -> {
    Intent intent4 = new Intent(Mobiletools.this, Torch.class);
    startActivity(intent4);
    finish();
});

ImageButton.setOnClickListener(view -> {
    Intent back = new Intent(Mobiletools.this, Appsmenu.class);
    startActivity(back);
    finish();
});
}
}
```



activity_bluetooth.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:background="@drawable/blue"
    android:layout_height="match_parent"
    tools:context=".Bluetooth">

    <Button
        android:id="@+id/button32"
        android:background="@drawable/rounded_corners2"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentLeft="true"
        android:layout_alignParentTop="true"
        style="@style/Widget.AppCompat.Button.Borderless"
        android:layout_marginStart="0dp"
```

```

        android:textColor="@color/white"
        android:layout_marginLeft="0dp"
        android:layout_marginTop="77dp"
        android:text="Enable with image" />

<Button
    android:id="@+id/button33"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_alignParentBottom="true"
    android:layout_centerVertical="true"
    android:layout_marginStart="0dp"
    android:layout_marginLeft="0dp"
    android:layout_marginBottom="352dp"
    android:background="@drawable/rounded_corners2"
    android:text="Enable with button"
    android:textColor="@color/white" />

<Button
    android:id="@+id/button34"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_alignParentBottom="true"
    android:layout_marginStart="0dp"
    android:layout_marginLeft="0dp"
    android:layout_marginBottom="117dp"
    android:background="@drawable/rounded_corners2"
    android:text="Enable with toggle"
    android:textColor="@color/white" />

<ImageButton
    android:id="@+id/imageButton22"
    android:layout_width="50dp"
    android:layout_height="50dp"
    android:background="@drawable/rounded_corners2"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:layout_alignParentEnd="true"
    android:layout_alignParentBottom="true"
    android:layout_marginBottom="40dp"
    app:srcCompat="?attr/actionModeCloseDrawable"
    android:layout_alignParentRight="true" />
</RelativeLayout>

```

Bluetooth.java

```

package com.example.android;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;

```

```

import android.os.Bundle;
import android.widget.Button;
import android.widget.ImageButton;

public class Bluetooth extends AppCompatActivity {
    Button button, button1, button2;
    ImageButton imageButton;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_bluetooth);
        button = findViewById(R.id.button32);
        button1 = findViewById(R.id.button33);
        button2 = findViewById(R.id.button34);
        imageButton = findViewById(R.id.imageButton22);

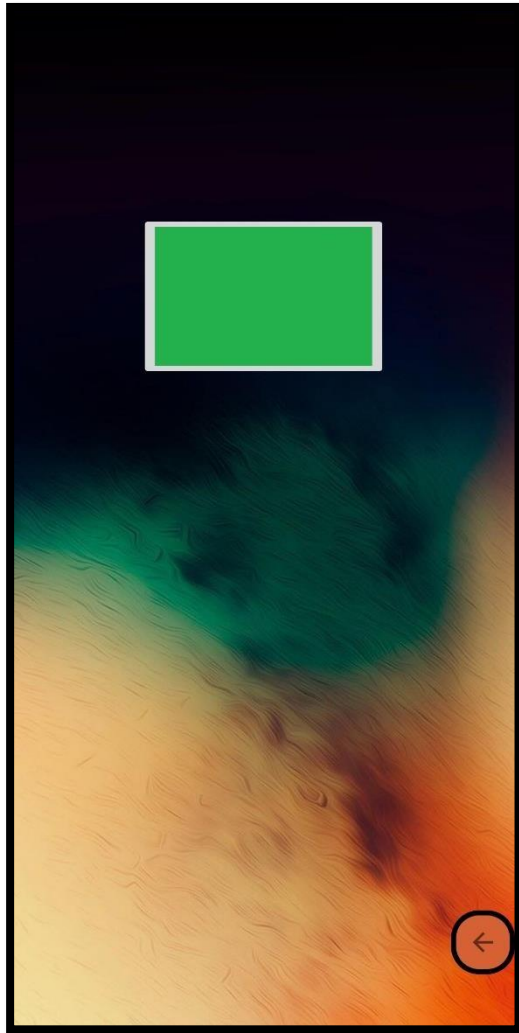
        button.setOnClickListener(v -> {
            Intent intent = new Intent(Bluetooth.this, Bluewithimage.class);
            startActivity(intent);
            finish();
        });

        button1.setOnClickListener(v -> {
            Intent intent1 = new Intent(Bluetooth.this,
Bluewithbutton.class);
            startActivity(intent1);
            finish();
        });

        button2.setOnClickListener(v -> {
            Intent intent2 = new Intent(Bluetooth.this,
Bluewithtoggle.class);
            startActivity(intent2);
            finish();
        });

        imageButton.setOnClickListener(v -> {
            Intent back = new Intent(Bluetooth.this, Mobiletools.class);
            startActivity(back);
            finish();
        });
    }
}

```



activity_bluewithimage.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:background="@drawable/colo"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".Bluewithimagemage">

    <ImageButton
        android:id="@+id/imageButton25"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_alignParentEnd="true"
        android:layout_alignParentRight="true"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="161dp"
```

```

        android:layout_marginEnd="100dp"
        android:layout_marginRight="100dp"
        app:srcCompat="@drawable/off" />

<ImageButton
    android:id="@+id/imageButton26"
    android:layout_width="50dp"
    android:layout_height="50dp"
    android:layout_alignParentEnd="true"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:background="@drawable/rounded_corners"
    android:layout_alignParentBottom="true"
    android:layout_marginBottom="41dp"
    app:srcCompat="?attr/actionModeCloseDrawable"
    android:layout_alignParentRight="true" />
</RelativeLayout>

```

Bluewithimage.java

```

package com.example.android;

import androidx.appcompat.app.AppCompatActivity;

import android.bluetooth.BluetoothAdapter;
import android.content.Intent;
import android.os.Bundle;
import android.widget.ImageButton;

public class Bluewithimage extends AppCompatActivity {
    ImageButton imageButton, imageButton1;
    BluetoothAdapter bluetoothAdapter;
    private boolean blue = false;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_bluewithimage);
        imageButton = findViewById(R.id.imageButton25);
        imageButton1 = findViewById(R.id.imageButton26);

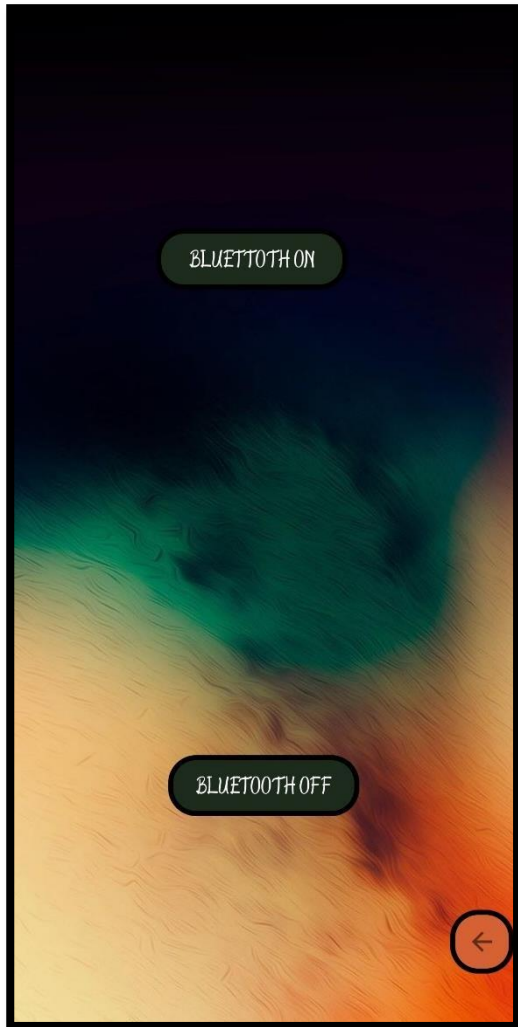
        bluetoothAdapter = BluetoothAdapter.getDefaultAdapter();
        imageButton.setOnClickListener(view -> {
            if(!blue){
                bluetoothAdapter.enable();
                blue=true;
                imageButton.setImageResource(R.drawable.on);
            }
            else {
                bluetoothAdapter.disable();
                blue = false;
                imageButton.setImageResource(R.drawable.off);
            }
        });
        imageButton1.setOnClickListener(v -> {

```

```

        Intent intent = new Intent(Bluewithimage.this, Bluetooth.class);
        startActivity(intent);
        finish();
    });
}
}

```



activity_bluewithbutton.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:background="@drawable/colo"
    android:layout_height="match_parent"
    tools:context=".Bluewithbutton">

    <Button

```



```

        android:id="@+id/button35"
        style="@style/Widget.AppCompat.Button.Borderless"
        android:layout_width="150dp"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_alignParentEnd="true"
        android:background="@drawable/rounded_corners3"
        android:layout_alignParentRight="true"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="172dp"
        android:layout_marginEnd="131dp"
        android:layout_marginRight="131dp"
        android:text="Bluetooth On"
        android:textColor="@color/white" />

<Button
    android:id="@+id/button36"
    android:layout_width="150dp"
    android:layout_height="wrap_content"
    android:layout_alignParentBottom="true"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:textColor="@color/white"
    android:background="@drawable/rounded_corners3"
    android:layout_centerHorizontal="true"
    android:layout_marginBottom="164dp"
    android:text="Bluetooth Off" />

<ImageButton
    android:id="@+id/imageButton24"
    android:background="@drawable/rounded_corners"
    android:layout_width="50dp"
    android:layout_height="50dp"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:layout_alignParentEnd="true"
    android:layout_alignParentBottom="true"
    android:layout_marginBottom="40dp"
    app:srcCompat="?attr/actionModeCloseDrawable"
    android:layout_alignParentRight="true" />
</RelativeLayout>

```

Bluewithbutton.java

```

package com.example.android;

import androidx.appcompat.app.AppCompatActivity;

import android.bluetooth.BluetoothAdapter;
import android.content.Intent;
import android.os.Bundle;
import android.widget.Button;
import android.widget.ImageButton;

public class Bluewithbutton extends AppCompatActivity {
    Button button, button1;
    ImageButton imageButton;

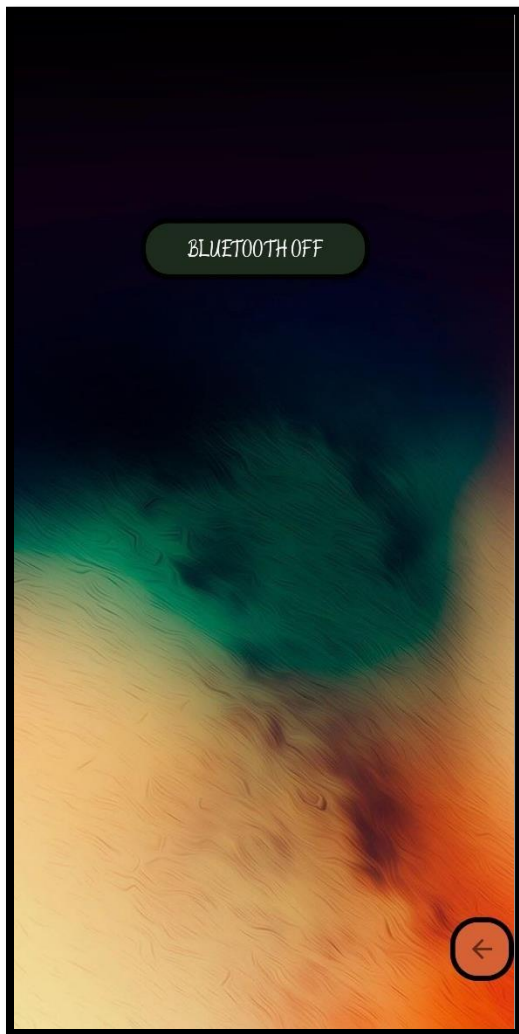
```

```

BluetoothAdapter bluetoothAdapter;

@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_bluewithbutton);
    button = findViewById(R.id.button35);
    button1 = findViewById(R.id.button36);
    imageButton = findViewById(R.id.imageButton24);
    bluetoothAdapter = BluetoothAdapter.getDefaultAdapter();
    button.setOnClickListener(view -> bluetoothAdapter.enable());
    button1.setOnClickListener(view -> bluetoothAdapter.disable());
    imageButton.setOnClickListener(v -> {
        Intent intent = new Intent(Bluewithbutton.this, Bluetooth.class);
        startActivity(intent);
        finish();
    });
}
}

```



activity_bluewithtoggle.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:background="@drawable/colo"
    android:layout_height="match_parent"
    tools:context=".Bluewithtoggle">

    <ToggleButton
        android:id="@+id/toggleButton3"
        style="@style/Widget.AppCompat.Button.Borderless"
        android:layout_width="180dp"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_alignParentEnd="true"
        android:layout_alignParentRight="true"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="161dp"
        android:layout_marginEnd="113dp"
        android:layout_marginRight="113dp"
        android:background="@drawable/rounded_corners3"
        android:textColor="@color/white"
        android:textOff="bluetooth off"
        android:textOn="bluetooth on" />

    <ImageButton
        android:id="@+id/imageButton23"
        android:layout_width="50dp"
        android:background="@drawable/rounded_corners"
        android:layout_height="50dp"
        android:layout_alignParentEnd="true"
        style="@style/Widget.AppCompat.Button.Borderless"
        android:layout_alignParentBottom="true"
        android:layout_marginBottom="38dp"
        app:srcCompat="?attr/actionModeCloseDrawable"
        android:layout_alignParentRight="true" />
</RelativeLayout>
```

Bluewithtoggle.java

```
package com.example.android;

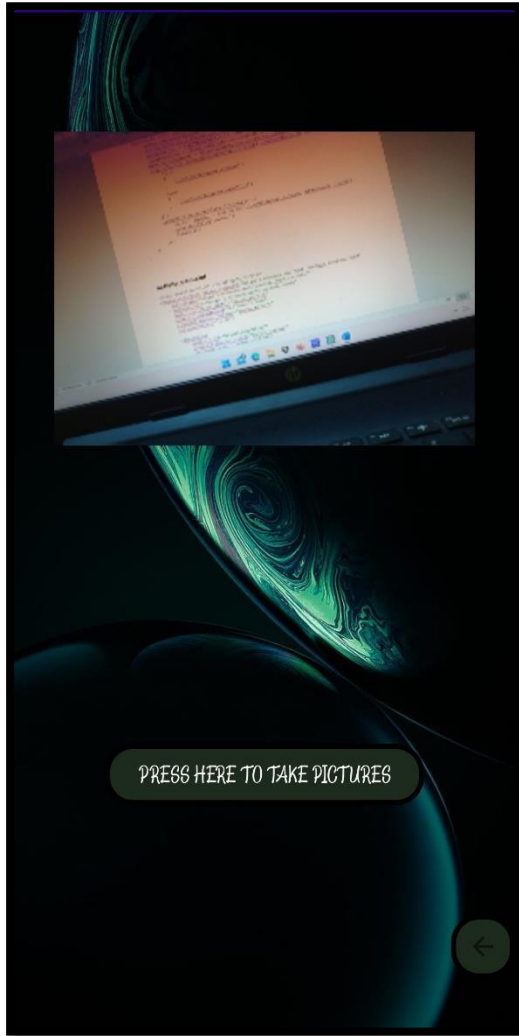
import androidx.appcompat.app.AppCompatActivity;

import android.bluetooth.BluetoothAdapter;
import android.content.Intent;
import android.os.Bundle;
import android.widget.ImageButton;
import android.widget.ToggleButton;

public class Bluewithtoggle extends AppCompatActivity {
    ImageButton imageButton;
```

```
ToggleButton toggleButton;
BluetoothAdapter bluetoothAdapter;

@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_bluewithtoggle);
    imageButton = findViewById(R.id.imageButton23);
    toggleButton = findViewById(R.id.toggleButton3);
    bluetoothAdapter = BluetoothAdapter.getDefaultAdapter();
    toggleButton.setOnCheckedChangeListener((compoundButton, b) -> {
        if (b)
        {
            bluetoothAdapter.enable();
        }
        else
        {
            bluetoothAdapter.disable();
        }
    });
    imageButton.setOnClickListener(v -> {
        Intent intent = new Intent(Bluewithtoggle.this, Bluetooth.class);
        startActivity(intent);
        finish();
    });
}
}
```



activity_cam.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:background="@drawable/cam"
    android:layout_height="match_parent"
    tools:context=".Cam">

    <ImageView
        android:id="@+id/imageView5"
        android:layout_width="match_parent"
        android:layout_height="246dp"
        android:layout_alignParentTop="true"
        android:layout_alignParentEnd="true"
        android:layout_alignParentRight="true"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="94dp"
```

```

        android:layout_marginEnd="0dp"
        android:layout_marginRight="0dp"
        tools:srcCompat="@tools:sample/avatars" />

<ImageButton
    android:id="@+id/imageButton10"
    android:layout_width="50dp"
    android:background="@drawable/rounded_corners3"
    android:layout_height="50dp"
    android:layout_alignParentEnd="true"
    android:layout_alignParentBottom="true"
    android:layout_marginBottom="40dp"
    style="@style/Widget.AppCompat.Button.Borderless"
    app:srcCompat="?attr/actionModeCloseDrawable"
    android:layout_alignParentRight="true" />

<Button
    android:id="@+id/button20"
    android:layout_width="250dp"
    android:layout_height="wrap_content"
    android:layout_alignParentBottom="true"
    android:layout_centerHorizontal="true"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:background="@drawable/rounded_corners3"
    android:textColor="@color/white"
    android:layout_marginBottom="176dp"
    android:text="Press here to take pictures" />
</RelativeLayout>

```

Cam.java

```

package com.example.android;

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

import android.content.Intent;
import android.graphics.Bitmap;
import android.os.Bundle;
import android.provider.MediaStore;
import android.widget.Button;
import android.widget.ImageButton;
import android.widget.ImageView;
import android.widget.Toast;

public class Cam extends AppCompatActivity {
    ImageView imageView;
    Button button;
    ImageButton imageButton;

    @Override
    protected void onActivityResult(int requestCode, int resultCode,
    @Nullable @org.jetbrains.annotations.Nullable Intent data) {
        super.onActivityResult(requestCode, resultCode, data);
        if(requestCode==10) {

```

```

        assert data != null;
        Bitmap bm = (Bitmap) data.getExtras().get("data");
        imageView.setImageBitmap(bm);
    }
    else {
        Toast.makeText(this, "Image is not captured",
Toast.LENGTH_SHORT).show();
    }
}

@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_cam);
    imageView = findViewById(R.id.imageView5);
    button = findViewById(R.id.button20);
    imageButton = findViewById(R.id.imageButton10);
    button.setOnClickListener(v -> {
        Intent i = new Intent(MediaStore.ACTION_IMAGE_CAPTURE);
        startActivityForResult(i, 10);
    });
    imageButton.setOnClickListener(v -> {
        Intent back = new Intent(Cam.this, Mobiletools.class);
        startActivity(back);
        finish();
    });
}
}

```



activity_wifi.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:background="@drawable/color"
    android:layout_height="match_parent"
    tools:context=".Wifi">

    <Button
        android:textColor="@color/white"
        android:id="@+id/button27"
        android:background="@drawable/rounded_corners4"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentLeft="true"
        android:layout_alignParentTop="true"
        android:layout_marginStart="0dp"
```



```

        style="@style/Widget.AppCompat.Button.Borderless"
        android:layout_marginLeft="0dp"
        android:layout_marginTop="73dp"
        android:text="Enable with image" />

<Button
    android:background="@drawable/rounded_corners4"
    android:textColor="@color/white"
    android:id="@+id/button28"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:layout_alignParentLeft="true"
    android:layout_centerVertical="true"
    android:text="Enable with Button" />

<Button
    android:id="@+id/button29"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_alignParentBottom="true"
    android:layout_marginStart="0dp"
    android:layout_marginLeft="0dp"
    android:layout_marginBottom="120dp"
    android:background="@drawable/rounded_corners4"
    android:text="Enable with toggle"
    android:textColor="@color/white" />

<ImageButton
    android:id="@+id/imageButton17"
    android:background="@drawable/rounded_corners4"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:layout_width="50dp"
    android:layout_height="50dp"
    android:layout_alignParentEnd="true"
    android:layout_alignParentBottom="true"
    android:layout_marginBottom="40dp"
    app:srcCompat="?attr/actionModeCloseDrawable"
    android:layout_alignParentRight="true" />
</RelativeLayout>

```

Wifi.java

```

package com.example.android;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.widget.Button;
import android.widget.ImageButton;

```

```

public class Wifi extends AppCompatActivity {
    Button button, button1, button2;
    ImageButton imageButton;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_wifi);
        button = findViewById(R.id.button27);
        button1 = findViewById(R.id.button28);
        button2 = findViewById(R.id.button29);
        imageButton = findViewById(R.id.imageButton17);

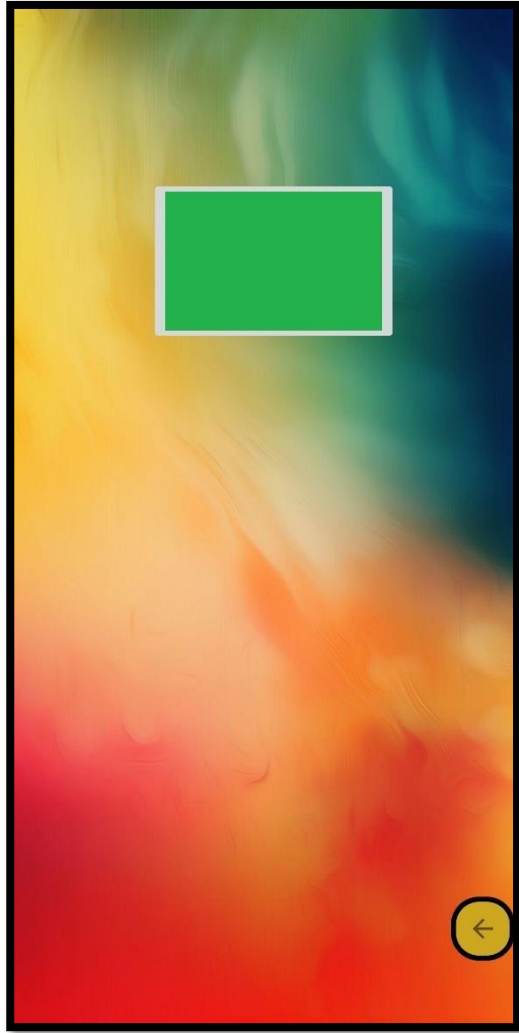
        button.setOnClickListener(v -> {
            Intent intent = new Intent(Wifi.this, Wifiwithimage.class);
            startActivity(intent);
            finish();
        });

        button1.setOnClickListener(v -> {
            Intent intent1 = new Intent(Wifi.this, Wifiwithbutton.class);
            startActivity(intent1);
            finish();
        });

        button2.setOnClickListener(v -> {
            Intent intent2 = new Intent(Wifi.this, Wifiwithtoggle.class);
            startActivity(intent2);
            finish();
        });

        imageButton.setOnClickListener(v -> {
            Intent intent3 = new Intent(Wifi.this, Mobiletools.class);
            startActivity(intent3);
            finish();
        });
    }
}

```



activity_wifiwithimage.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:background="@drawable/col"
    tools:context=".Wifiwithimage">

    <ImageButton
        android:id="@+id/imageButton20"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_alignParentEnd="true"
        android:layout_alignParentRight="true"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="135dp"
```

```

        android:layout_marginEnd="92dp"
        android:layout_marginRight="92dp"
        app:srcCompat="@drawable/off" />

<ImageButton
    android:id="@+id/imageButton21"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:layout_width="50dp"
    android:layout_height="50dp"
    android:background="@drawable/rounded_corners5"
    android:layout_alignParentEnd="true"
    android:layout_alignParentBottom="true"
    android:layout_marginBottom="50dp"
    app:srcCompat="?attr/actionModeCloseDrawable"
    android:layout_alignParentRight="true" />
</RelativeLayout>

```

Wifiwithimage.java

```

package com.example.android;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.net.wifi.WifiManager;
import android.os.Bundle;
import android.widget.ImageButton;

public class Wifiwithimage extends AppCompatActivity {
    ImageButton imageButton, imageButton1;
    WifiManager wifiManager;
    private boolean wifi = false;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_wifiwithimage);
        imageButton = findViewById(R.id.imageButton20);
        imageButton1 = findViewById(R.id.imageButton21);
        wifiManager =
(WifiManager)getApplicationContext().getSystemService(WIFI_SERVICE);
        imageButton.setOnClickListener(view -> {
            if(!wifi){
                wifiManager.setWifiEnabled(true);
                wifi = true;
                imageButton.setImageResource(R.drawable.on);
            }
            else {
                wifiManager.setWifiEnabled(false);
                wifi = false;
                imageButton.setImageResource(R.drawable.off);
            }
        });

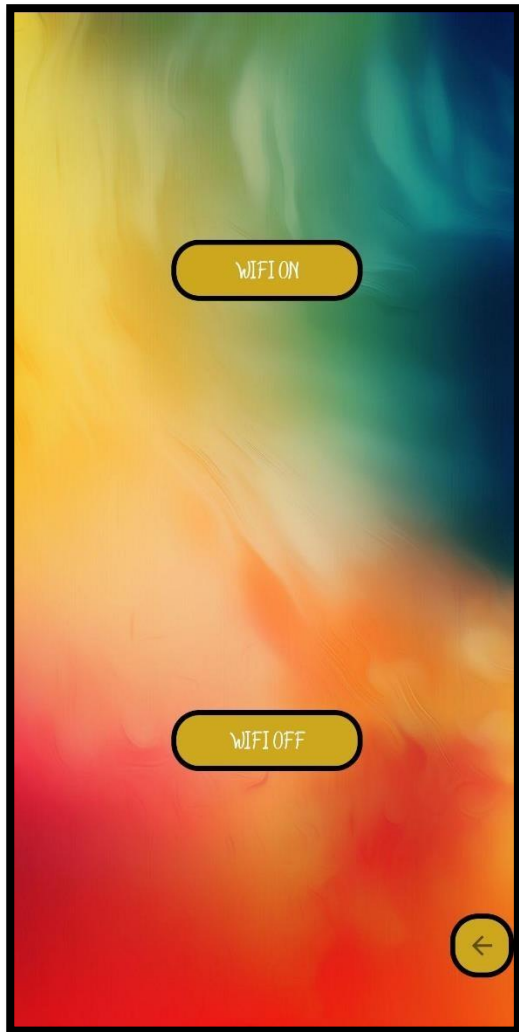
        imageButton1.setOnClickListener(v -> {

```

```

        Intent intent = new Intent(Wifiwithimage.this, Wifi.class);
        startActivity(intent);
        finish();
    });
}
}

```



activity_wifiwithbutton.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:background="@drawable/col"
    android:layout_height="match_parent"
    tools:context=".Wifiwithbutton">

    <Button

```

```

        android:id="@+id/button30"
        android:layout_width="150dp"
        style="@style/Widget.AppCompat.Button.Borderless"
        android:textColor="@color/white"
        android:background="@drawable/rounded_corners5"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_alignParentEnd="true"
        android:layout_alignParentRight="true"
        android:layout_marginTop="179dp"
        android:layout_marginEnd="119dp"
        android:layout_marginRight="119dp"
        android:text="Wifi On" />

<Button
    android:id="@+id/button31"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:layout_width="150dp"
    android:layout_height="wrap_content"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_alignParentBottom="true"
    android:layout_centerHorizontal="true"
    android:layout_marginEnd="119dp"
    android:layout_marginRight="119dp"
    android:layout_marginBottom="202dp"
    android:background="@drawable/rounded_corners5"
    android:text="Wifi Off"
    android:textColor="@color/white" />

<ImageButton
    android:id="@+id/imageButton19"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:layout_width="50dp"
    android:background="@drawable/rounded_corners5"
    android:layout_height="50dp"
    android:layout_alignParentEnd="true"
    android:layout_alignParentBottom="true"
    android:layout_marginBottom="40dp"
    app:srcCompat="?attr/actionModeCloseDrawable"
    android:layout_alignParentRight="true" />
</RelativeLayout>

```

Wifiwithbutton.java

```

package com.example.android;

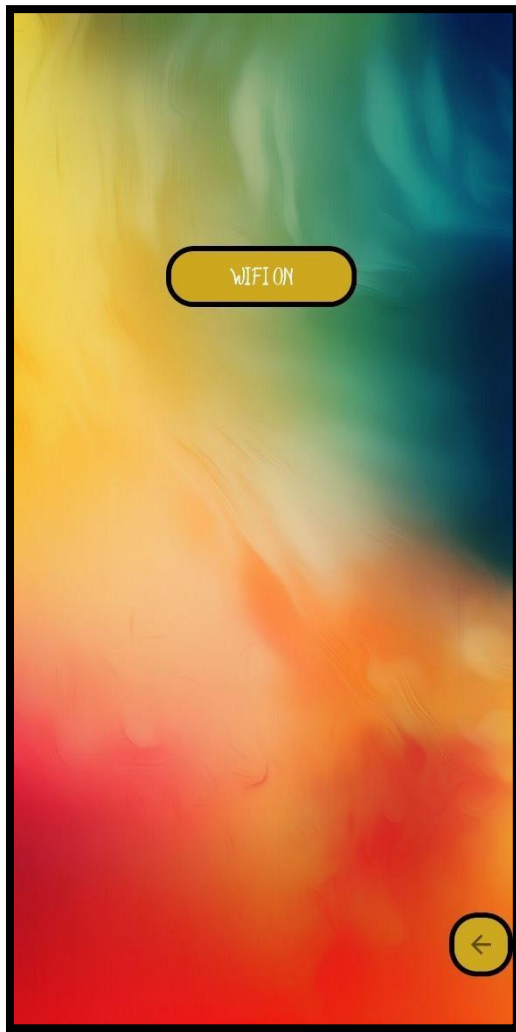
import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.net.wifi.WifiManager;
import android.os.Bundle;
import android.widget.Button;
import android.widget.ImageButton;

```

```
public class Wifiwithbutton extends AppCompatActivity {
    Button button, button1;
    ImageButton imageButton;
    WifiManager wifiManager ;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_wifiwithbutton);
        button = findViewById(R.id.button30);
        button1 = findViewById(R.id.button31);
        imageButton = findViewById(R.id.imageButton19);
        wifiManager =
(WifiManager)getApplicationContext().getSystemService(WIFI_SERVICE);
        button.setOnClickListener(view -> wifiManager.setWifiEnabled(true));
        button1.setOnClickListener(view ->
wifiManager.setWifiEnabled(false));
        imageButton.setOnClickListener(v -> {
            Intent intent = new Intent(Wifiwithbutton.this, Wifi.class);
            startActivity(intent);
            finish();
        });
    }
}
```



```
}
```

activity_wifiwithtoggle.java

```
<?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:background="@drawable/col"
    android:layout_height="match_parent"
    tools:context=".Wifiwithtoggle">

    <ToggleButton
        android:id="@+id/toggleButton2"
        style="@style/Widget.AppCompat.Button.Borderless"
        android:layout_width="150dp"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:background="@drawable/rounded_corners5"
        android:layout_alignParentEnd="true"
        android:layout_alignParentRight="true"
```



```

        android:layout_centerHorizontal="true"
        android:layout_marginTop="184dp"
        android:layout_marginEnd="123dp"
        android:layout_marginRight="123dp"
        android:text="ToggleButton"
        android:textColor="@color/white"
        android:textOff="wifi off"
        android:textOn="Wifi on" />

<ImageButton
    android:background="@drawable/rounded_corners5"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:id="@+id/imageButton18"
    android:layout_width="50dp"
    android:layout_height="50dp"
    android:layout_alignParentEnd="true"
    android:layout_alignParentBottom="true"
    android:layout_marginBottom="40dp"
    app:srcCompat="?attr/actionModeCloseDrawable"
    android:layout_alignParentRight="true" />
</RelativeLayout>

```

Wifiwithtoggle.java

```

package com.example.android;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.net.wifi.WifiManager;
import android.os.Bundle;
import android.widget.ImageButton;
import android.widget.ToggleButton;

public class Wifiwithtoggle extends AppCompatActivity {
    ToggleButton toggleButton;
    ImageButton imageButton;
    WifiManager wifiManager ;

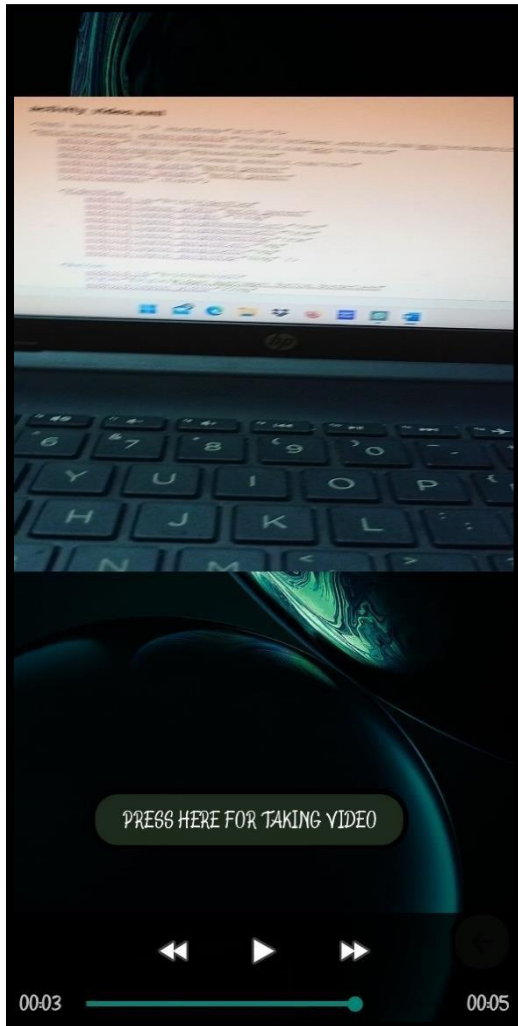
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_wifiwithtoggle);
        toggleButton = findViewById(R.id.toggleButton2);
        imageButton = findViewById(R.id.imageButton18);
        wifiManager =
(WifiManager) getApplicationContext().getSystemService(WIFI_SERVICE);
        toggleButton.setOnCheckedChangeListener((compoundButton, b) -> {
            if (b)
            {
                wifiManager.setWifiEnabled(true);
            }
            else
            {
                wifiManager.setWifiEnabled(false);
            }
        });
    }
}

```

```

    }
    });
    ImageButton.setOnClickListener(v -> {
        Intent intent = new Intent(Wifiwithtoggle.this, Wifi.class);
        startActivity(intent);
        finish();
    });
}
}

```



activity_video.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:background="@drawable/cam"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".Video">

```

```

<VideoView
    android:id="@+id/videoView"
    android:layout_width="match_parent"
    android:layout_height="374dp"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_alignParentTop="true"
    android:layout_marginStart="0dp"
    android:layout_marginLeft="0dp"
    android:layout_marginTop="68dp" />

<Button
    android:id="@+id/button21"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:layout_width="250dp"
    android:layout_height="wrap_content"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_alignParentBottom="true"
    android:layout_centerHorizontal="true"
    android:layout_marginEnd="83dp"
    android:layout_marginRight="83dp"
    android:layout_marginBottom="137dp"
    android:background="@drawable/rounded_corners3"
    android:text="Press here for taking video"
    android:textColor="@color/white" />

<ImageButton
    android:id="@+id/imageButton11"
    android:layout_width="50dp"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:background="@drawable/rounded_corners3"
    android:layout_height="50dp"
    android:layout_alignParentEnd="true"
    android:layout_alignParentBottom="true"
    android:layout_marginBottom="40dp"
    app:srcCompat="?attr/actionModeCloseDrawable"
    android:layout_alignParentRight="true" />
</RelativeLayout>

```

Video.java

```

package com.example.android;

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

import android.content.Intent;
import android.net.Uri;
import android.os.Bundle;
import android.provider.MediaStore;
import android.widget.Button;
import android.widget.ImageButton;
import android.widget.MediaController;

```

```

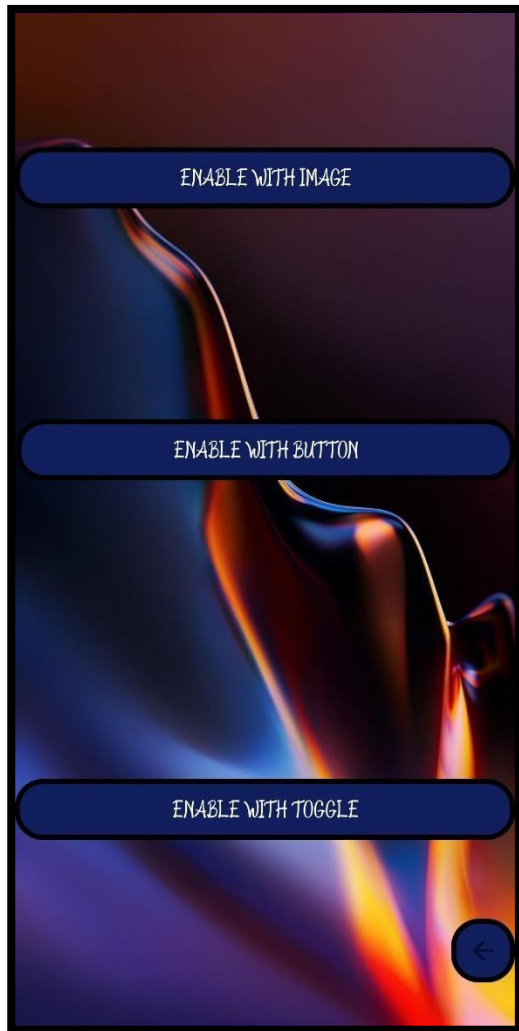
import android.widget.VideoView;

public class Video extends AppCompatActivity {
    VideoView videoView;
    MediaController mediaController;
    Button button;
    Uri uri;
    ImageButton imageButton;

    @Override
    protected void onActivityResult(int requestCode, int resultCode,
    @Nullable @org.jetbrains.annotations.Nullable Intent data) {
        super.onActivityResult(requestCode, resultCode, data);
        assert data != null;
        uri=data.getData();
        videoView.setVideoURI(uri);
        videoView.setMediaController(mediaController);
        mediaController.setAnchorView(videoView);
        videoView.start();
    }

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_video);
        button = findViewById(R.id.button21);
        imageButton = findViewById(R.id.imageButton11);
        videoView = findViewById(R.id.videoView);
        mediaController=new MediaController(this);
        button.setOnClickListener(v -> {
            Intent i = new Intent(MediaStore.ACTION_VIDEO_CAPTURE);
            startActivityForResult(i,5);
        });
        imageButton.setOnClickListener(v -> {
            Intent back = new Intent(Video.this,Mobiletools.class);
            startActivity(back);
            finish();
        });
    }
}

```



activity_torch.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:background="@drawable/torch"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".Torch">

    <Button
        android:id="@+id/button22"
        style="@style/Widget.AppCompat.Button.Borderless"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentLeft="true"
        android:layout_alignParentTop="true"
        android:layout_marginStart="0dp"
        android:layout_marginLeft="0dp"
```

```

        android:layout_marginTop="106dp"
        android:background="@drawable/rounded_corners6"
        android:text="Enable with image"
        android:textColor="@color/white" />

<Button
    android:background="@drawable/rounded_corners6"
    android:id="@+id/button23"
    android:textColor="@color/white"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_alignParentTop="true"
    android:layout_marginStart="1dp"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:layout_marginLeft="1dp"
    android:layout_marginTop="320dp"
    android:text="Enable with button" />

<Button
    android:id="@+id/button24"
    android:textColor="@color/white"
    android:background="@drawable/rounded_corners6"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_alignParentBottom="true"
    android:layout_marginBottom="148dp"
    android:text="Enable with toggle"
    android:layout_alignParentLeft="true" />

<ImageButton
    android:id="@+id/imageButton12"
    android:layout_width="50dp"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:layout_height="50dp"
    android:background="@drawable/rounded_corners6"
    android:layout_alignParentEnd="true"
    android:layout_alignParentBottom="true"
    android:layout_marginBottom="36dp"
    app:srcCompat="?attr/actionModeCloseDrawable"
    android:layout_alignParentRight="true" />
</RelativeLayout>

```

Torch.java

```

package com.example.android;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.widget.Button;

```

```

import android.widget.ImageButton;

public class Torch extends AppCompatActivity {
    Button button, button1, button2;
    ImageButton imageButton;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_torch);
        button = findViewById(R.id.button22);
        button1 = findViewById(R.id.button23);
        button2 = findViewById(R.id.button24);
        imageButton = findViewById(R.id.imageButton12);

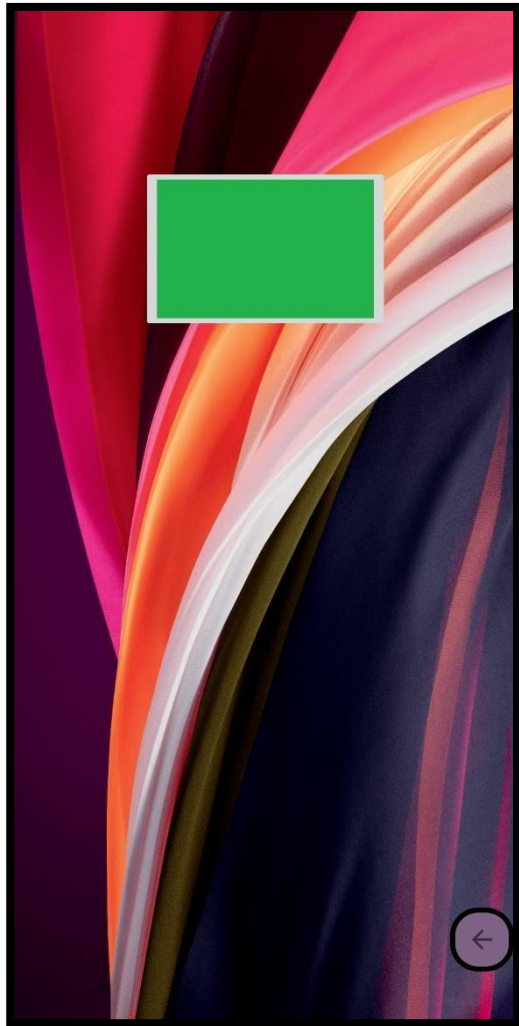
        button.setOnClickListener(v -> {
            Intent intent = new Intent(Torch.this, Torwithimage.class);
            startActivity(intent);
            finish();
        });

        button1.setOnClickListener(v -> {
            Intent intent1 = new Intent(Torch.this, Torwithbutton.class);
            startActivity(intent1);
            finish();
        });

        button2.setOnClickListener(v -> {
            Intent intent2 = new Intent(Torch.this, Torwithtoggle.class);
            startActivity(intent2);
            finish();
        });

        imageButton.setOnClickListener(v -> {
            Intent intent3 = new Intent(Torch.this, Mobiletools.class);
            startActivity(intent3);
            finish();
        });
    }
}

```



activity_torchwithimage.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:background="@drawable/im"
    tools:context=".Torwithimage">

    <ImageButton
        android:id="@+id/imageButton15"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_alignParentEnd="true"
        android:layout_alignParentRight="true"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="126dp"
        android:layout_marginEnd="98dp"
```



```

        android:layout_marginRight="98dp"
        app:srcCompat="@drawable/off" />

<ImageButton
    android:id="@+id/imageButton16"
    android:layout_width="50dp"
    android:layout_height="50dp"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_alignParentBottom="true"
    android:layout_marginEnd="0dp"
    android:layout_marginRight="0dp"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:background="@drawable/rounded_corners4"
    android:layout_marginBottom="40dp"
    app:srcCompat="?attr/actionModeCloseDrawable" />
</RelativeLayout>

```

Torchwithimage.java

```

package com.example.android;

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

import android.content.Intent;
import android.hardware.camera2.CameraAccessException;
import android.hardware.camera2.CameraManager;
import android.os.Build;
import android.os.Bundle;
import android.view.View;
import android.widget.ImageButton;

public class Torwithimage extends AppCompatActivity {
    ImageButton imageButton, imageButton1;
    CameraManager cameraManager;
    private boolean torch = false;

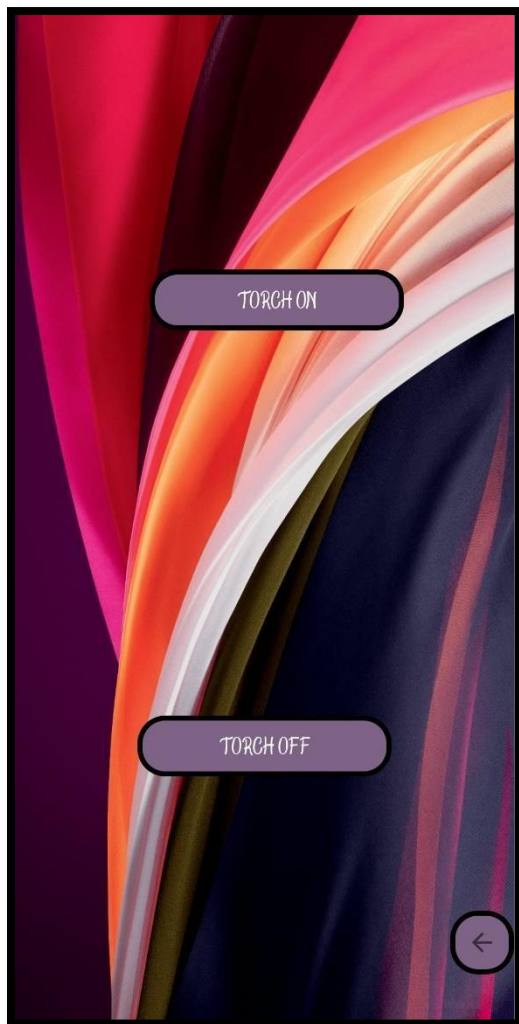
    @RequiresApi(api = Build.VERSION_CODES.LOLLIPOP)
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_torwithimage);
        imageButton = findViewById(R.id.imageButton15);
        imageButton1 = findViewById(R.id.imageButton16);
        cameraManager = (CameraManager) getSystemService(CAMERA_SERVICE);
        imageButton.setOnClickListener(new View.OnClickListener() {
            @RequiresApi(api = Build.VERSION_CODES.M)
            @Override
            public void onClick(View view) {
                if(torch == false){
                    try{
                        String id = cameraManager.getCameraIdList()[0];
                        cameraManager.setTorchMode(id,true);
                        torch = true;
                    }
                }
            }
        });
    }
}

```

```

        ImageButton.setImageResource(R.drawable.on);
    }catch (CameraAccessException e){
    }
    }else{
    try{
        String id = cameraManager.getCameraIdList()[0];
        cameraManager.setTorchMode(id,false);
        torch = false;
        ImageButton.setImageResource(R.drawable.off);
    }catch (CameraAccessException e){
    }
    }
    }
    });
    ImageButton1.setOnClickListener(v -> {
        Intent intent = new Intent(Torwithimage.this, Torch.class);
        startActivity(intent);
        finish();
    });
    }
}

```



activity_torchwithbutton.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:background="@drawable/im"
    android:layout_height="match_parent"
    tools:context=".Torwithbutton">

    <Button
        android:id="@+id/button25"
        style="@style/Widget.AppCompat.Button.Borderless"
        android:layout_width="200dp"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentLeft="true"
        android:layout_alignParentTop="true"
        android:layout_centerHorizontal="true"
        android:layout_marginStart="106dp"
        android:layout_marginLeft="106dp"
        android:layout_marginTop="203dp"
        android:background="@drawable/rounded_corners4"
        android:text="Torch On"
        android:textColor="@color/white" />

    <Button
        android:textColor="@color/white"
        style="@style/Widget.AppCompat.Button.Borderless"
        android:id="@+id/button26"
        android:background="@drawable/rounded_corners4"
        android:layout_width="200dp"
        android:layout_height="wrap_content"
        android:layout_alignParentBottom="true"
        android:layout_centerHorizontal="true"
        android:layout_marginBottom="196dp"
        android:text="Torch Off" />

    <ImageButton
        android:id="@+id/imageButton14"
        android:layout_width="50dp"
        android:layout_height="50dp"
        android:background="@drawable/rounded_corners4"
        style="@style/Widget.AppCompat.Button.Borderless"
        android:layout_alignParentEnd="true"
        android:layout_alignParentBottom="true"
        android:layout_marginBottom="40dp"
        app:srcCompat="?attr/actionModeCloseDrawable"
        android:layout_alignParentRight="true" />
</RelativeLayout>
```

Torchwithbutton.java

```

package com.example.android;

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

import android.content.Intent;
import android.hardware.camera2.CameraAccessException;
import android.hardware.camera2.CameraManager;
import android.os.Build;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.ImageButton;

public class Torwithbutton extends AppCompatActivity {
    Button button, button1;
    ImageButton imageButton;
    CameraManager cameraManager;
    private boolean torch = false;

    @RequiresApi(api = Build.VERSION_CODES.LOLLIPOP)

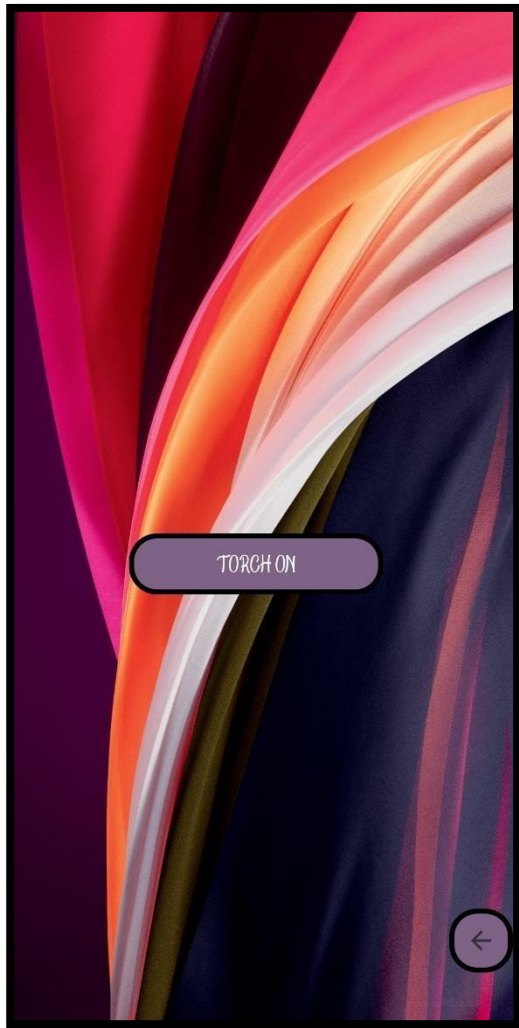
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_torwithbutton);
        button = findViewById(R.id.button25);
        button1 = findViewById(R.id.button26);
        imageButton = findViewById(R.id.imageButton14);
        cameraManager = (CameraManager) getSystemService(CAMERA_SERVICE);
        button.setOnClickListener(new View.OnClickListener() {
            @RequiresApi(api = Build.VERSION_CODES.M)
            @Override
            public void onClick(View view) {
                try {
                    String id = cameraManager.getCameraIdList()[0];
                    cameraManager.setTorchMode(id, true);
                    torch = true;
                }
                catch (CameraAccessException e){
                }
            }
        });
        button1.setOnClickListener(new View.OnClickListener() {
            @RequiresApi(api = Build.VERSION_CODES.M)
            @Override
            public void onClick(View view) {
                try{
                    String id = cameraManager.getCameraIdList()[0];
                    cameraManager.setTorchMode(id, false);
                    torch = false;
                }catch (CameraAccessException ignored){
                }
            }
        });
        imageButton.setOnClickListener(v -> {
            Intent intent = new Intent(Torwithbutton.this, Torch.class);

```

```

        startActivity(intent);
        finish();
    });
}
}

```



activity_torchwithtoggle.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:background="@drawable/im"
    android:layout_height="match_parent"
    tools:context=".Torwithtoggle">

    <ToggleButton
        android:id="@+id/toggleButton"

```

```

        android:textColor="@color/white"
        style="@style/Widget.AppCompat.Button.Borderless"
        android:layout_width="200dp"
        android:layout_height="wrap_content"
        android:layout_alignParentEnd="true"
        android:layout_alignParentRight="true"
        android:layout_alignParentBottom="true"
        android:layout_centerInParent="true"
        android:layout_marginEnd="102dp"
        android:layout_marginRight="102dp"
        android:layout_marginBottom="337dp"
        android:background="@drawable/rounded_corners4"
        android:textOff="Torch  off"
        android:textOn="Torch  on" />

<ImageButton
    android:id="@+id/imageButton13"
    android:layout_width="50dp"
    android:layout_height="50dp"
    android:background="@drawable/rounded_corners4"
    android:layout_alignParentEnd="true"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:layout_alignParentBottom="true"
    android:layout_marginBottom="40dp"
    app:srcCompat="?attr/actionModeCloseDrawable"
    android:layout_alignParentRight="true" />
</RelativeLayout>

```

Torchwithtoggle.java

```

package com.example.android;

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

import android.content.Intent;
import android.hardware.camera2.CameraAccessException;
import android.hardware.camera2.CameraManager;
import android.os.Build;
import android.os.Bundle;
import android.widget.CompoundButton;
import android.widget.ImageButton;
import android.widget.Toast;
import android.widget.ToggleButton;

public class Torwithtoggle extends AppCompatActivity {
    ImageButton imageButton;
    ToggleButton toggleButton;
    CameraManager cameraManager;
    private boolean torch = false;

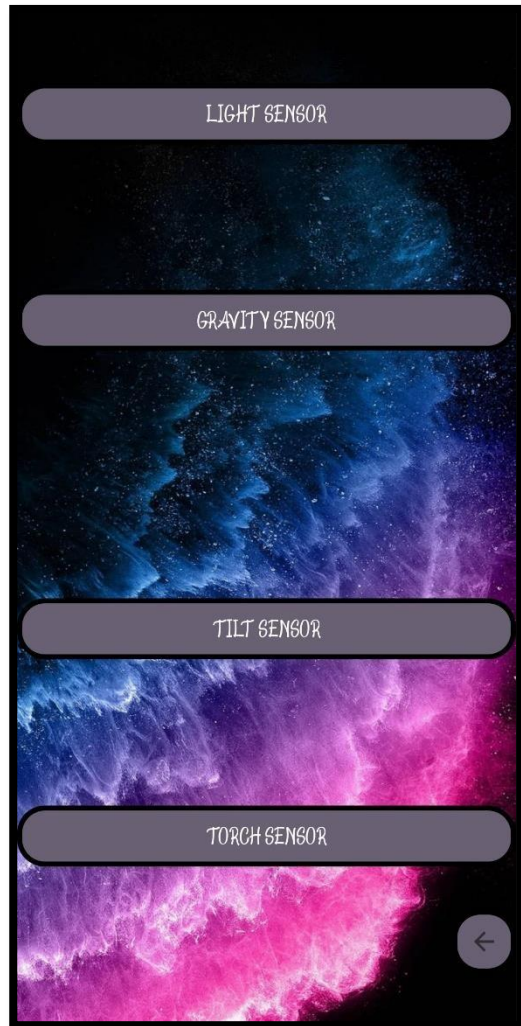
    @RequiresApi(api = Build.VERSION_CODES.LOLLIPOP)
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
    }
}

```

```

        setContentView(R.layout.activity_torwithtoggle);
        ImageButton = findViewById(R.id.imageButton13);
        toggleButton = findViewById(R.id.toggleButton);
        cameraManager = (CameraManager) getSystemService(CAMERA_SERVICE);
        toggleButton.setOnCheckedChangeListener(new
CompoundButton.OnCheckedChangeListener() {
            @RequiresApi(api = Build.VERSION_CODES.M)
            @Override
            public void onCheckedChanged(CompoundButton compoundButton,
boolean b) {
                if(b) {
                    try{
                        String id = cameraManager.getCameraIdList()[0];
                        cameraManager.setTorchMode(id, true);
                        Toast.makeText(Torwithtoggle.this, "Torch is on",
Toast.LENGTH_SHORT).show();
                    }catch (CameraAccessException ignored){
                    }
                }else{
                    try{
                        String id = cameraManager.getCameraIdList()[0];
                        cameraManager.setTorchMode(id, false);
                        Toast.makeText(Torwithtoggle.this, "Torch is off",
Toast.LENGTH_SHORT).show();
                    }catch (CameraAccessException ignored){
                    }
                }
            }
        });
        ImageButton.setOnClickListener(v -> {
            Intent intent = new Intent(Torwithtoggle.this, Torch.class);
            startActivity(intent);
            finish();
        });
    }
}

```



activity_sensors.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:background="@drawable/sens"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".Sensors">

    <Button
        style="@style/Widget.AppCompat.Button.Borderless"
        android:id="@+id/button11"
        android:layout_width="match_parent"
        android:background="@drawable/rounded_corners8"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentLeft="true"
        android:layout_alignParentTop="true"
        android:layout_marginStart="0dp"
```



```
    android:layout_marginLeft="0dp"
    android:layout_marginTop="59dp"
    android:text="Light Sensor"
    android:textColor="@color/white"/>
```

```
<Button
    style="@style/Widget.AppCompat.Button.Borderless"
    android:id="@+id/button12"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:background="@drawable/rounded_corners8"
    android:layout_alignParentTop="true"
    android:layout_marginTop="221dp"
    android:textColor="@color/white"
    android:text="Gravity Sensor"
    android:layout_alignParentLeft="true" />
```

```
<Button
    style="@style/Widget.AppCompat.Button.Borderless"
    android:id="@+id/button13"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:background="@drawable/rounded_corners8"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_alignParentBottom="true"
    android:layout_marginStart="0dp"
    android:layout_marginLeft="0dp"
    android:layout_marginBottom="287dp"
    android:text="Tilt Sensor"
    android:textColor="@color/white" />
```

```
<Button
    android:background="@drawable/rounded_corners8"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:id="@+id/button14"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_alignParentBottom="true"
    android:layout_marginStart="0dp"
    android:layout_marginLeft="0dp"
    android:layout_marginBottom="124dp"
    android:text="Torch Sensor"
    android:textColor="@color/white" />
```

```
<ImageButton
    android:background="@drawable/rounded_corners8"
    android:id="@+id/imageButton3"
    android:layout_width="50dp"
    android:layout_height="50dp"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_alignParentBottom="true"
    style="@style/Widget.AppCompat.Button.Borderless"
```

```
        android:layout_marginEnd="0dp"
        android:layout_marginRight="0dp"
        android:layout_marginBottom="40dp"
        app:srcCompat="?attr/actionModeCloseDrawable" />

</RelativeLayout>
```

Sensors.java

```
package com.example.android;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.widget.Button;
import android.widget.ImageButton;

public class Sensors extends AppCompatActivity {
    Button button, button1, button2, button3;
    ImageButton imageButton;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_sensors);
        button = findViewById(R.id.button11);
        button1 = findViewById(R.id.button12);
        button2 = findViewById(R.id.button13);
        button3 = findViewById(R.id.button14);
        imageButton = findViewById(R.id.imageButton3);

        button.setOnClickListener(view -> {
            Intent intent = new Intent(Sensors.this, Lightsensor.class);
            startActivity(intent);
            finish();
        });

        button1.setOnClickListener(view -> {
            Intent intent1 = new Intent(Sensors.this, Gravitysensor.class);
            startActivity(intent1);
            finish();
        });

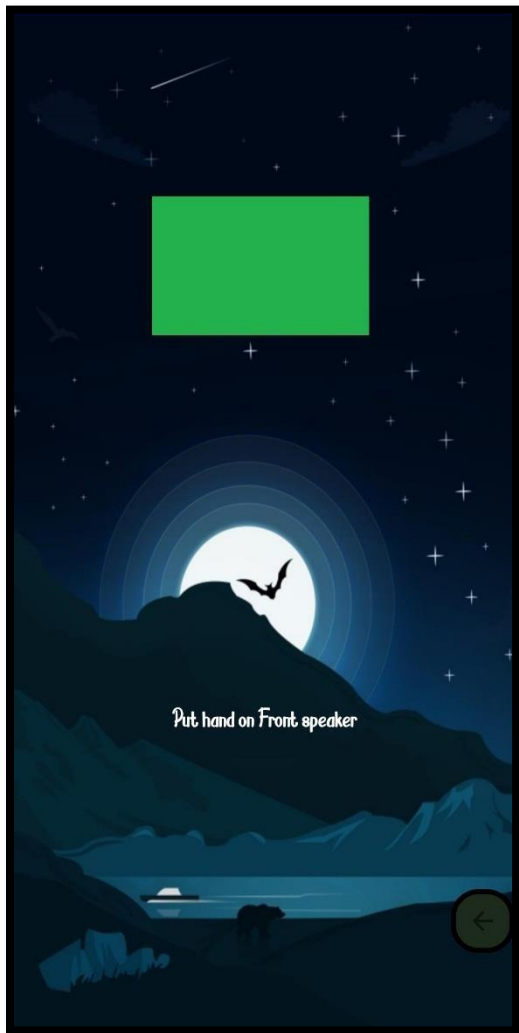
        button2.setOnClickListener(view -> {
            Intent intent2 = new Intent(Sensors.this, Tiltensor.class);
            startActivity(intent2);
            finish();
        });

        button3.setOnClickListener(view -> {
            Intent intent3 = new Intent(Sensors.this, Torchsensor.class);
            startActivity(intent3);
            finish();
        });
    }
}
```

```

        ImageButton.setOnClickListener(view -> {
            Intent back = new Intent(Sensors.this, Appsmenu.class);
            startActivity(back);
            finish();
        });
    }
}

```



activity_lightsensor.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:background="@drawable/allsens"
    android:layout_height="match_parent"
    tools:context=".Lightsensor">

```

```

<ImageView
    android:id="@+id/imageView"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentTop="true"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_centerHorizontal="true"
    android:layout_marginTop="144dp"
    android:layout_marginEnd="114dp"
    android:layout_marginRight="114dp"
    app:srcCompat="@drawable/off" />

<ImageButton
    android:id="@+id/imageButton5"
    android:layout_width="50dp"
    android:layout_height="50dp"
    android:background="@drawable/rounded_corners3"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_alignParentBottom="true"
    android:layout_marginEnd="0dp"
    android:layout_marginRight="0dp"
    android:layout_marginBottom="60dp"
    app:srcCompat="?attr/actionModeCloseDrawable" />

<TextView
    android:id="@+id/textView13"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentBottom="true"
    android:layout_centerHorizontal="true"
    android:layout_marginBottom="233dp"
    android:text="Put hand on Front speaker"
    android:textColor="@color/white"
    android:textSize="20dp"
    android:textStyle="bold" />
</RelativeLayout>

```

Lightsensor.java

```

package com.example.android;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.hardware.Sensor;
import android.hardware.SensorEvent;
import android.hardware.SensorEventListener;
import android.hardware.SensorManager;
import android.media.MediaPlayer;
import android.os.Bundle;
import android.widget.ImageButton;

```

```

import android.widget.ImageView;

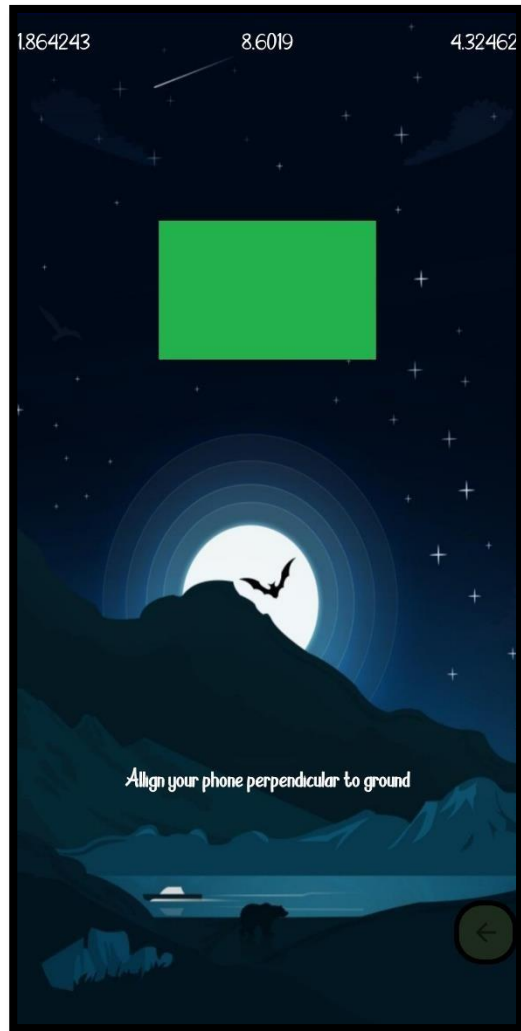
public class Lightsensor extends AppCompatActivity implements
SensorEventListener {
    ImageView imageView;
    MediaPlayer mediaPlayer;
    SensorManager sensorManager;
    ImageButton imageButton;
    Sensor sensor;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_lightsensor);
        imageView = findViewById(R.id.imageView);
        imageButton = findViewById(R.id.imageButton5);
        imageButton.setOnClickListener(v -> {
            mediaPlayer.pause();
            Intent intent = new Intent(Lightsensor.this,
com.example.android.Sensors.class);
            startActivity(intent);
            finish();
        });
        mediaPlayer = MediaPlayer.create(this, R.raw.humam);
        sensorManager = (SensorManager) getSystemService(SENSOR_SERVICE);
        sensor = sensorManager.getDefaultSensor(Sensor.TYPE_LIGHT);
        sensorManager.registerListener(this, sensor,
SensorManager.SENSOR_DELAY_NORMAL);
    }

    @Override
    public void onSensorChanged(SensorEvent sensorEvent) {
        if(sensorEvent.values[0]>1)
        {
            mediaPlayer.start();
            imageView.setImageResource(R.drawable.on);
        }
        else
        {
            mediaPlayer.pause();
            imageView.setImageResource(R.drawable.off);
        }
    }

    @Override
    public void onAccuracyChanged(Sensor sensor, int i) {
    }
}

```



activity_gravitysensor.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:background="@drawable/allsens"
    android:layout_height="match_parent"
    tools:context=".Gravitysensor">

    <TextView
        android:id="@+id/textView5"
        android:textColor="@color/white"
        android:textSize="20dp"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentLeft="true"
        android:layout_alignParentTop="true"
        android:layout_marginStart="0dp"
```

```
        android:layout_marginLeft="0dp"
        android:layout_marginTop="11dp"
        android:text="X" />

<TextView
    android:textColor="@color/white"
    android:textSize="20dp"
    android:id="@+id/textView6"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentTop="true"
    android:layout_centerHorizontal="true"
    android:layout_marginTop="11dp"
    android:text="Y" />

<TextView
    android:textColor="@color/white"
    android:textSize="20dp"
    android:id="@+id/textView7"
    android:layout_marginTop="11dp"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentTop="true"
    android:layout_alignParentEnd="true"
    android:text="Z"
    android:layout_alignParentRight="true" />

<ImageView
    android:id="@+id/imageView2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentTop="true"
    android:layout_centerHorizontal="true"
    android:layout_marginTop="164dp"
    app:srcCompat="@drawable/off" />

<ImageButton
    android:id="@+id/imageButton6"
    android:layout_width="50dp"
    android:background="@drawable/rounded_corners3"
    android:layout_height="50dp"
    android:layout_alignParentEnd="true"
    android:layout_alignParentBottom="true"
    android:layout_marginBottom="50dp"
    app:srcCompat="?attr/actionModeCloseDrawable"
    android:layout_alignParentRight="true" />

<TextView
    android:id="@+id/textView14"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentBottom="true"
    android:layout_centerHorizontal="true"
    android:textSize="20dp"
    android:textStyle="bold"
    android:textColor="@color/white"
    android:layout_marginBottom="185dp"
```

```
        android:text="Allign your phone perpendicular to ground" />
</RelativeLayout>
```

Gravitysensor.java

```
package com.example.android;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.hardware.Sensor;
import android.hardware.SensorEvent;
import android.hardware.SensorEventListener;
import android.hardware.SensorManager;
import android.media.MediaPlayer;
import android.os.Bundle;
import android.widget.ImageButton;
import android.widget.ImageView;
import android.widget.TextView;

public class Gravitysensor extends AppCompatActivity implements
SensorEventListener {
    MediaPlayer mediaPlayer;
    ImageView imageView;
    SensorManager sensorManager;
    ImageButton imageButton;
    Sensor sensor;
    TextView textView, textView1, textView2;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_gravitysensor);
        mediaPlayer = MediaPlayer.create(this, R.raw.mishri);
        imageView = findViewById(R.id.imageView2);
        imageButton = findViewById(R.id.imageButton6);
        imageButton.setOnClickListener(view -> {
            mediaPlayer.pause();
            Intent intent = new Intent(Gravitysensor.this,
com.example.android.Sensors.class);
            startActivity(intent);
            finish();
        });
        sensorManager = (SensorManager) getSystemService(SENSOR_SERVICE);
        sensor = sensorManager.getDefaultSensor(Sensor.TYPE_GRAVITY);

        sensorManager.registerListener(this, sensor, SensorManager.SENSOR_DELAY_NORMAL)
;

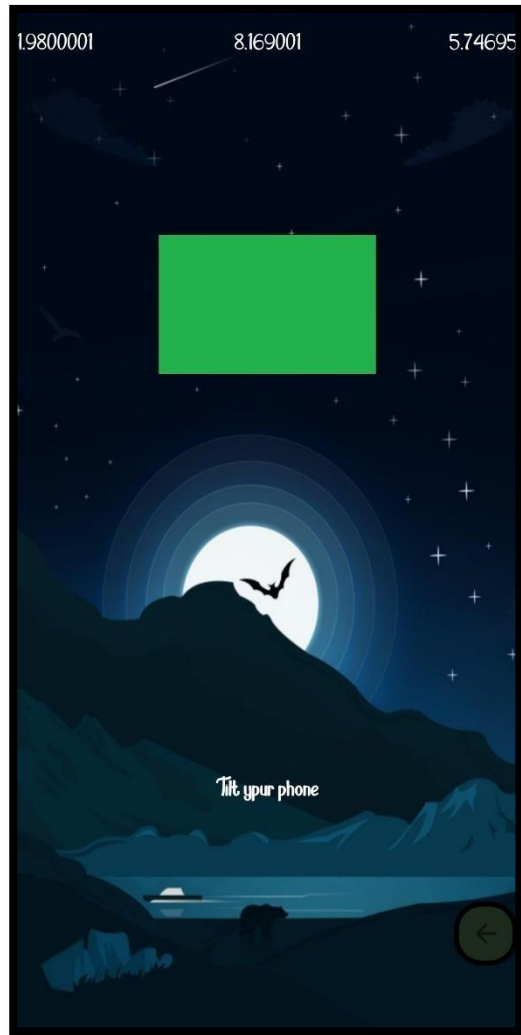
        textView = findViewById(R.id.textView5);
        textView1 = findViewById(R.id.textView6);
        textView2 = findViewById(R.id.textView7);
    }

    @Override
    public void onSensorChanged(SensorEvent sensorEvent) {
```



```
float x1 = sensorEvent.values[0];
float y1 = sensorEvent.values[1];
float z1 = sensorEvent.values[2];
String string = Float.toString(x1);
String string1 = Float.toString(y1);
String string2 = Float.toString(z1);
textView.setText(string);
textView1.setText(string1);
textView2.setText(string2);
int x = (int)x1;
int y = (int)y1;
int z = (int)z1;

if(z!=0) // It means position change hua hai
{
    mediaPlayer.start();
    imageView.setImageResource(R.drawable.on);
}
else
{
    mediaPlayer.pause();
    imageView.setImageResource(R.drawable.off);
}
}
@Override
public void onAccuracyChanged(Sensor sensor, int i) {
}
}
```



activity_tiltsensor.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:background="@drawable/allsens"
    tools:context=".Tiltsensor">

    <TextView
        android:id="@+id/textView8"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentLeft="true"
        android:layout_alignParentTop="true"
        android:layout_marginStart="0dp"
        android:textColor="@color/white">
```

```

        android:textSize="20dp"
        android:layout_marginLeft="0dp"
        android:layout_marginTop="11dp"
        android:text="X" />

<TextView
    android:id="@+id/textView9"
    android:textSize="20dp"
    android:textColor="@color/white"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentTop="true"
    android:layout_centerHorizontal="true"
    android:layout_marginTop="11dp"
    android:text="Y" />

<TextView
    android:id="@+id/textView10"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentTop="true"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_marginTop="11dp"
    android:layout_marginEnd="0dp"
    android:layout_marginRight="0dp"
    android:text="Z"
    android:textColor="@color/white"
    android:textSize="20dp" />

<ImageView
    android:id="@+id/imageView3"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentTop="true"
    android:layout_centerHorizontal="true"
    android:layout_marginTop="175dp"
    app:srcCompat="@drawable/off" />

<ImageButton
    android:id="@+id/imageButton7"
    android:layout_width="50dp"
    android:layout_height="50dp"
    android:background="@drawable/rounded_corners3"
    android:layout_alignParentEnd="true"
    android:layout_alignParentBottom="true"
    android:layout_marginBottom="50dp"
    app:srcCompat="?attr/actionModeCloseDrawable"
    android:layout_alignParentRight="true" />

<TextView
    android:id="@+id/textView15"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentBottom="true"
    android:layout_centerHorizontal="true"
    android:layout_marginBottom="179dp"

```

```

        android:textColor="@color/white"
        android:textSize="20dp"
        android:textStyle="bold"
        android:text="Tilt ypur phone" />
</RelativeLayout>

```

Tiltsensor.java

```

package com.example.android;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.hardware.Sensor;
import android.hardware.SensorEvent;
import android.hardware.SensorEventListener;
import android.hardware.SensorManager;
import android.media.MediaPlayer;
import android.os.Bundle;
import android.widget.ImageButton;
import android.widget.ImageView;
import android.widget.TextView;

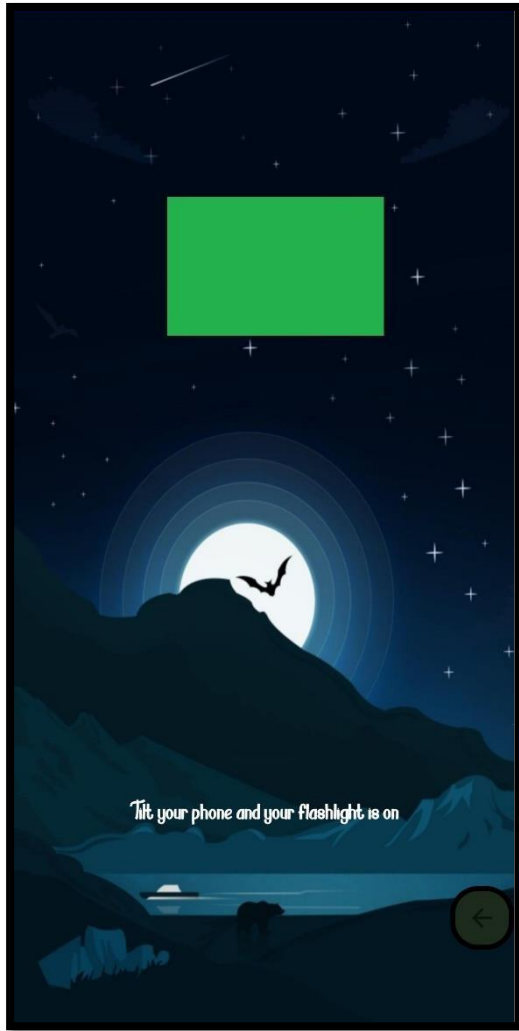
public class Tiltsensor extends AppCompatActivity implements
SensorEventListener {
    MediaPlayer mediaPlayer;
    ImageView imageView;
    SensorManager sensorManager;
    Sensor sensor;
    ImageButton imageButton;
    TextView textView,textView1,textView2;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_tiltsensor);
        mediaPlayer = MediaPlayer.create(this, R.raw.merasamne);
        imageView = findViewById(R.id.imageView3);
        imageButton = findViewById(R.id.imageButton7);
        imageButton.setOnClickListener(v -> {
            mediaPlayer.pause();
            Intent intent = new Intent(Tiltsensor.this,
com.example.android.Sensors.class);
            startActivity(intent);
            finish();
        });
        sensorManager = (SensorManager) getSystemService(SENSOR_SERVICE);
        sensor = sensorManager.getDefaultSensor(Sensor.TYPE_ACCELEROMETER);

        sensorManager.registerListener(this, sensor, SensorManager.SENSOR_DELAY_NORMAL)
;
        textView = findViewById(R.id.textView8);
        textView1 = findViewById(R.id.textView9);
        textView2 = findViewById(R.id.textView10);
    }
}

```

```
}  
@Override  
public void onSensorChanged(SensorEvent sensorEvent) {  
    float x1 = sensorEvent.values[0];  
    float y1 = sensorEvent.values[1];  
    float z1 = sensorEvent.values[2];  
    String s1 = Float.toString(x1);  
    String s2 = Float.toString(y1);  
    String s3 = Float.toString(z1);  
    textView.setText(s1);  
    textView1.setText(s2);  
    textView2.setText(s3);  
    int x = (int)x1;  
    int y = (int)y1;  
    int z = (int)z1;  
  
    if(z!=0) //It means position change hua hai  
    {  
        mediaPlayer.start();  
        imageView.setImageResource(R.drawable.on);  
    }  
  
    else  
    {  
        mediaPlayer.pause();  
        imageView.setImageResource(R.drawable.off);  
    }  
}  
  
@Override  
public void onAccuracyChanged(Sensor sensor, int i) {  
}  
}
```



activity_torchsensor.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:background="@drawable/allsens"
    android:layout_height="match_parent"
    tools:context=".Torchsensor">

    <ImageView
        android:id="@+id/imageView4"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_alignParentEnd="true"
        android:layout_alignParentRight="true"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="147dp"
        android:layout_marginEnd="102dp"/>
```

```

        android:layout_marginRight="102dp"
        app:srcCompat="@drawable/off" />

<ImageButton
    android:id="@+id/imageButton8"
    android:layout_width="50dp"
    android:layout_height="50dp"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:layout_alignParentEnd="true"
    android:layout_alignParentBottom="true"
    android:background="@drawable/rounded_corners3"
    android:layout_marginBottom="60dp"
    app:srcCompat="?attr/actionModeCloseDrawable"
    android:layout_alignParentRight="true" />

<TextView
    android:id="@+id/textView16"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentBottom="true"
    android:layout_centerHorizontal="true"
    android:layout_marginBottom="158dp"
    android:textSize="20dp"
    android:textColor="@color/white"
    android:textStyle="bold"
    android:text="Tilt your phone and your flashlight is on" />
</RelativeLayout>

```

Torchsensor.java

```

package com.example.android;

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

import android.annotation.TargetApi;
import android.content.Intent;
import android.hardware.Sensor;
import android.hardware.SensorEvent;
import android.hardware.SensorEventListener;
import android.hardware.SensorManager;
import android.hardware.camera2.CameraAccessException;
import android.hardware.camera2.CameraManager;
import android.os.Build;
import android.os.Bundle;
import android.widget.ImageButton;
import android.widget.ImageView;

@RequiresApi(api = Build.VERSION_CODES.LOLLIPOP)
public class Torchsensor extends AppCompatActivity implements
    SensorEventListener {
    ImageView imageView;
    SensorManager sensorManager;
    Sensor sensor;
    ImageButton imageButton;

```

```

CameraManager cameraManager;
private boolean torch = false;

@RequiresApi(api = Build.VERSION_CODES.LOLLIPOP)
@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_torchsensor);
    imageView = findViewById(R.id.imageView4);
    imageButton = findViewById(R.id.imageButton8);
    imageButton.setOnClickListener(v -> {
        Intent intent = new Intent(Torchsensor.this,
com.example.android.Sensors.class);
        startActivity(intent);
        finish();
    });
    sensorManager = (SensorManager) getSystemService(SENSOR_SERVICE);
    sensor = sensorManager.getDefaultSensor(Sensor.TYPE_ACCELEROMETER);
    sensorManager.registerListener(this, sensor ,
SensorManager.SENSOR_DELAY_NORMAL);
    cameraManager = (CameraManager) getSystemService(CAMERA_SERVICE);
}
@TargetApi(Build.VERSION_CODES.M)
@Override
public void onSensorChanged(SensorEvent sensorEvent) {

    float x1 = sensorEvent.values[0];
    float y1 = sensorEvent.values[1];
    float z1 = sensorEvent.values[2];

    int x = (int) x1;
    int y = (int) y1;
    int z = (int) z1;

    if (x != 0) //mtlb position change hua hai
    {
        try
        {
            String id = cameraManager.getCameraIdList()[0];
            cameraManager.setTorchMode(id , true);
            torch = true;
            imageView.setImageResource(R.drawable.on);
        }
        catch(CameraAccessException e) {
        }
    }
    else
    {
        try
        {
            String id = cameraManager.getCameraIdList()[0];
            cameraManager.setTorchMode(id, false);
            torch = false;
            imageView.setImageResource(R.drawable.off);
        }
        catch(CameraAccessException e)
        {

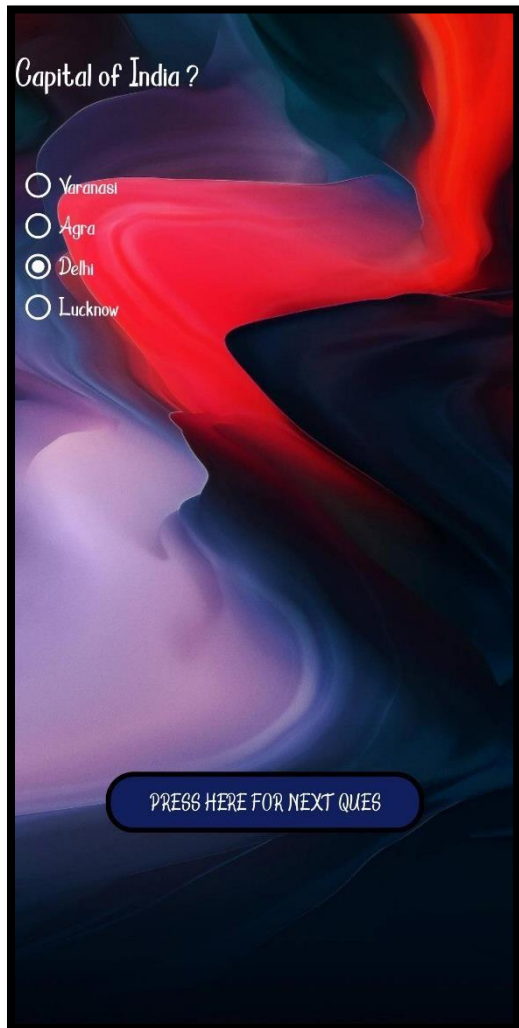
```



```

        }
    }
}
@Override
public void onAccuracyChanged(Sensor sensor, int i) {
}
}

```



activity_quiz.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:background="@drawable/quiz"
    android:layout_height="match_parent"
    tools:context=".Quiz">

```

```
<RadioGroup
    android:layout_width="409dp"
    android:layout_height="319dp"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_alignParentTop="true"
    android:layout_marginStart="2dp"
    android:layout_marginLeft="2dp"
    android:layout_marginTop="123dp" >

    <RadioButton
        android:textSize="20dp"
        android:textColor="@color/white"
        android:buttonTint="@color/white"
        android:id="@+id/radioButton"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:text="Varanasi"
        android:layout_alignParentLeft="true" />

    <RadioButton
        android:id="@+id/radioButton2"
        android:textColor="@color/white"
        android:buttonTint="@color/white"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:textSize="20dp"
        android:text="Agra" />

    <RadioButton
        android:id="@+id/radioButton3"
        android:layout_width="match_parent"
        android:textSize="20dp"
        android:layout_height="wrap_content"
        android:buttonTint="@color/white"
        android:textColor="@color/white"
        android:text="Delhi" />

    <RadioButton
        android:textSize="20dp"
        android:id="@+id/radioButton4"
        android:buttonTint="@color/white"
        android:textColor="@color/white"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Lucknow" />

</RadioGroup>

<Button
    android:id="@+id/button8"
    android:background="@drawable/rounded_corners6"
    android:layout_width="250dp"
    android:layout_height="wrap_content"
    android:layout_alignParentBottom="true"
    android:layout_centerHorizontal="true"
```

```

        android:layout_marginBottom="150dp"
        android:textColor="@color/white"
        style="@style/Widget.AppCompat.Button.Borderless"
        android:text="Press here for next ques" />

<TextView
    android:id="@+id/textView"
    android:textColor="@color/white"
    android:textSize="30dp"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_alignParentTop="true"
    android:layout_marginTop="33dp"
    android:text="Capital of India ?"
    android:layout_alignParentLeft="true" />

</RelativeLayout>

```

Quiz.java

```

package com.example.android;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.widget.Button;
import android.widget.RadioButton;

public class Quiz extends AppCompatActivity {
    Button button;
    RadioButton radioButton, radioButton1, radioButton2, radioButton3;
    static int score = 0;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_quiz);
        button = findViewById(R.id.button8);
        radioButton = findViewById(R.id.radioButton);
        radioButton1 = findViewById(R.id.radioButton2);
        radioButton2 = findViewById(R.id.radioButton3);
        radioButton3 = findViewById(R.id.radioButton4);
        button.setOnClickListener(view -> {
            score = 0;
            if(radioButton2.isChecked())
            {
                ++score;
            }
            else
            {
                --score;
            }
            Intent intent = new Intent(Quiz.this, Quiz2.class);

```

```

        startActivity(intent);
        finish();
    });
}
}

```



activity_quiz2.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:background="@drawable/quiz"
    android:layout_height="match_parent"
    tools:context=".Quiz2">

    <TextView
        android:id="@+id/textView2"
        android:textSize="30dp"

```

```
    android:textColor="@color/white"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_alignParentTop="true"
    android:layout_marginStart="3dp"
    android:layout_marginLeft="3dp"
    android:layout_marginTop="39dp"
    android:text="5*4 ?" />
```

<RadioGroup

```
    android:layout_width="match_parent"
    android:layout_height="308dp"
    android:layout_alignParentStart="true"
    android:layout_alignParentTop="true"
    android:layout_marginTop="114dp"
    android:layout_alignParentLeft="true">
```

<RadioButton

```
    android:textColor="@color/white"
    android:buttonTint="@color/white"
    android:id="@+id/radioButton5"
    android:textSize="20dp"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="47" />
```

<RadioButton

```
    android:textColor="@color/white"
    android:buttonTint="@color/white"
    android:id="@+id/radioButton6"
    android:textSize="20dp"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="20" />
```

<RadioButton

```
    android:textSize="20dp"
    android:textColor="@color/white"
    android:buttonTint="@color/white"
    android:id="@+id/radioButton7"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="45" />
```

<RadioButton

```
    android:textColor="@color/white"
    android:textSize="20dp"
    android:buttonTint="@color/white"
    android:id="@+id/radioButton8"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:text="19"
    android:layout_alignParentLeft="true" />
```

</RadioGroup>

```

<Button
    android:id="@+id/button9"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:layout_width="250dp"
    android:layout_height="wrap_content"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_alignParentBottom="true"
    android:layout_centerHorizontal="true"
    android:layout_marginEnd="85dp"
    android:layout_marginRight="85dp"
    android:layout_marginBottom="150dp"
    android:background="@drawable/rounded_corners6"
    android:text="Press here for next ques"
    android:textColor="@color/white" />

</RelativeLayout>

```

Quiz2.java

```

package com.example.android;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.widget.Button;
import android.widget.RadioButton;

public class Quiz2 extends AppCompatActivity {
    Button button;
    RadioButton radioButton, radioButton1, radioButton2, radioButton3;

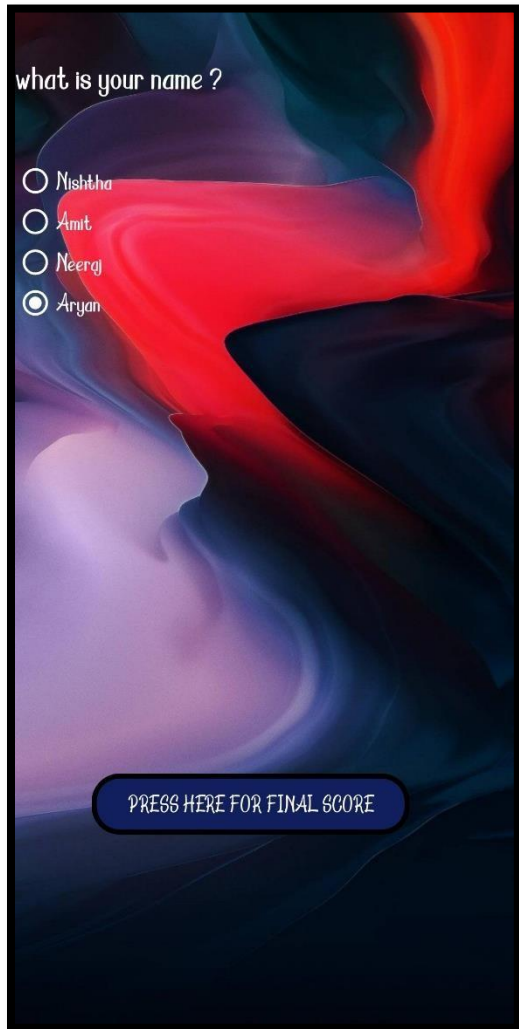
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_quiz2);
        button = findViewById(R.id.button9);
        radioButton = findViewById(R.id.radioButton5);
        radioButton1 = findViewById(R.id.radioButton6);
        radioButton2 = findViewById(R.id.radioButton7);
        radioButton3 = findViewById(R.id.radioButton8);
        button.setOnClickListener(view -> {
            if(radioButton1.isChecked())
            {
                ++Quiz.score;
            }
            else
            {
                --Quiz.score;
            }
            Intent intent = new Intent(Quiz2.this, Quiz3.class);
            startActivity(intent);
            finish();
        });
    }
}

```

```

    }
}
}

```



activity_quiz3.xml

```

<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:background="@drawable/quiz"
    android:layout_height="match_parent"
    tools:context=".Quiz3">

    <Button
        android:id="@+id/button10"
        style="@style/Widget.AppCompat.Button.Borderless"
        android:layout_width="250dp"
        android:layout_height="wrap_content"

```

```
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_alignParentBottom="true"
    android:layout_centerHorizontal="true"
    android:layout_marginEnd="82dp"
    android:layout_marginRight="82dp"
    android:layout_marginBottom="150dp"
    android:background="@drawable/rounded_corners6"
    android:text="Press here for final score"
    android:textColor="@color/white" />
```

```
<TextView
    android:id="@+id/textView3"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_alignParentTop="true"
    android:layout_marginTop="34dp"
    android:textSize="30dp"
    android:textColor="@color/white"
    android:text="what is your name ?"
    android:layout_alignParentLeft="true" />
```

```
<RadioGroup
    android:layout_width="match_parent"
    android:layout_height="312dp"
    android:layout_alignParentStart="true"
    android:layout_alignParentTop="true"
    android:layout_marginStart="0dp"
    android:layout_marginTop="118dp"
    android:layout_alignParentLeft="true"
    android:layout_marginLeft="0dp">
```

```
<RadioButton
    android:id="@+id/radioButton9"
    android:textColor="@color/white"
    android:buttonTint="@color/white"
    android:textSize="20dp"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Nishtha" />
```

```
<RadioButton
    android:id="@+id/radioButton10"
    android:layout_width="match_parent"
    android:textColor="@color/white"
    android:textSize="20dp"
    android:buttonTint="@color/white"
    android:layout_height="wrap_content"
    android:text="Amit" />
```

```
<RadioButton
    android:textSize="20dp"
    android:textColor="@color/white"
    android:buttonTint="@color/white"
    android:id="@+id/radioButton11"
    android:layout_width="match_parent"
```



```

        android:layout_height="wrap_content"
        android:text="Neeraj" />

        <RadioButton
            android:textColor="@color/white"
            android:textSize="20dp"
            android:buttonTint="@color/white"
            android:id="@+id/radioButton12"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="Aryan" />

    </RadioGroup>
</RelativeLayout>

```

Quiz3.java

```

package com.example.android;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.widget.Button;
import android.widget.RadioButton;

public class Quiz3 extends AppCompatActivity {
    Button button;
    RadioButton radioButton, radioButton1, radioButton2, radioButton3;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_quiz3);
        button = findViewById(R.id.button10);
        radioButton = findViewById(R.id.radioButton9);
        radioButton1 = findViewById(R.id.radioButton10);
        radioButton2 = findViewById(R.id.radioButton11);
        radioButton3 = findViewById(R.id.radioButton12);
        button.setOnClickListener(view -> {
            if (radioButton3.isChecked())
            {
                ++Quiz.score;
            } else
            {
                --Quiz.score;
            }
            Intent intent = new Intent(Quiz3.this, Quiz4.class);
            startActivity(intent);
            finish();
        });
    }
}

```



activity_quiz4.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:background="@drawable/quiz"
    android:layout_height="match_parent"
    tools:context=".Quiz4">

    <TextView
        android:id="@+id/textView4"
        android:textSize="30dp"
        android:textColor="@color/white"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentLeft="true"
        android:layout_alignParentTop="true"
        android:layout_marginStart="7dp"
```

```

        android:layout_marginLeft="7dp"
        android:layout_marginTop="65dp"
        android:text="Your final score is: " />

<ImageButton
    android:id="@+id/imageButton4"
    android:layout_width="50dp"
    android:layout_height="50dp"
    android:layout_alignParentEnd="true"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:background="@drawable/rounded_corners6"
    android:layout_alignParentBottom="true"
    android:layout_marginBottom="50dp"
    app:srcCompat="?attr/actionModeCloseDrawable"
    android:layout_alignParentRight="true" />
</RelativeLayout>

```

Quiz4.java

```

package com.example.android;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.speech.tts.TextToSpeech;
import android.widget.ImageButton;
import android.widget.TextView;

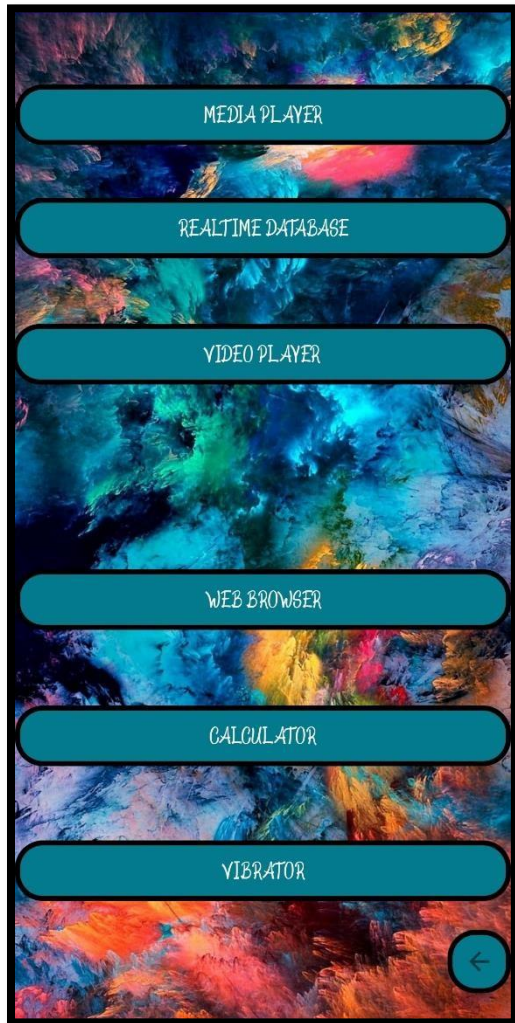
import java.util.Locale;

public class Quiz4 extends AppCompatActivity {
    TextView textView;
    TextToSpeech textToSpeech;
    ImageButton imageButton;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_quiz4);
        imageButton = findViewById(R.id.imageButton4);
        textView = findViewById(R.id.textView4);
        textView.setText("Your score is: " + Quiz.score);
        textToSpeech = new TextToSpeech(this, i -> {
            textToSpeech.setLanguage(Locale.ENGLISH);
            textToSpeech.setSpeechRate(0.9f);
            String string = textView.getText().toString();
            textToSpeech.speak(string, TextToSpeech.QUEUE_FLUSH, null);
        });
        imageButton.setOnClickListener(view -> {
            Intent back = new Intent(Quiz4.this, Appsmenu.class);
            startActivity(back);
            finish();
        });
    }
}

```

```
}  
}
```



activity_moreapps.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:background="@drawable/ima"  
    tools:context=".Moreapps">  
  
    <Button  
        android:id="@+id/button37"  
        android:layout_width="match_parent"  
        android:layout_height="wrap_content"  
        android:layout_alignParentStart="true"
```

```
android:layout_alignParentLeft="true"
android:layout_alignParentTop="true"
style="@style/Widget.AppCompat.Button.Borderless"
android:textColor="@color/white"
android:background="@drawable/rounded_corners2"
android:layout_marginStart="0dp"
android:layout_marginLeft="0dp"
android:layout_marginTop="57dp"
android:text="Media Player" />
```

```
<Button
    android:id="@+id/button38"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_alignParentTop="true"
    android:layout_marginStart="-2dp"
    android:layout_marginLeft="-2dp"
    android:layout_marginTop="247dp"
    android:background="@drawable/rounded_corners2"
    android:text="Video Player"
    android:textColor="@color/white" />
```

```
<Button
    android:id="@+id/button39"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_alignParentBottom="true"
    android:layout_centerVertical="true"
    android:layout_marginBottom="309dp"
    android:background="@drawable/rounded_corners2"
    android:text="Web Browser"
    android:textColor="@color/white" />
```

```
<Button
    android:id="@+id/button40"
    android:textColor="@color/white"
    android:background="@drawable/rounded_corners2"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_alignParentBottom="true"
    android:layout_marginStart="0dp"
    android:layout_marginBottom="201dp"
    android:text="Calculator"
    android:layout_alignParentLeft="true"
    android:layout_marginLeft="0dp" />
```

```
<Button
    android:id="@+id/button41"
    android:layout_width="match_parent"
```

```

        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentBottom="true"
        android:layout_marginStart="0dp"
        android:layout_marginBottom="94dp"
        android:text="Vibrator"
        style="@style/Widget.AppCompat.Button.Borderless"
        android:textColor="@color/white"
        android:background="@drawable/rounded_corners2"
        android:layout_alignParentLeft="true"
        android:layout_marginLeft="0dp" />

<ImageButton
    style="@style/Widget.AppCompat.Button.Borderless"
    android:background="@drawable/rounded_corners2"
    android:id="@+id/imageButton27"
    android:layout_width="50dp"
    android:layout_height="50dp"
    android:layout_alignParentEnd="true"
    android:layout_alignParentBottom="true"
    android:layout_marginEnd="0dp"
    android:layout_marginBottom="21dp"
    app:srcCompat="?attr/actionModeCloseDrawable"
    android:layout_alignParentRight="true"
    android:layout_marginRight="0dp" />

<Button
    android:id="@+id/button71"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:textColor="@color/white"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:background="@drawable/rounded_corners2"
    android:layout_alignParentTop="true"
    android:layout_marginTop="147dp"
    android:text="Realtime Database"
    android:layout_alignParentLeft="true" />
</RelativeLayout>

```

Moreapps.java

```

package com.example.android;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.widget.Button;
import android.widget.ImageButton;

public class Moreapps extends AppCompatActivity {
    Button button, button1, button2, button3, button4, button5;
    ImageButton imageButton;
}

```

```

@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_moreapps);
    button = findViewById(R.id.button37);
    button1 = findViewById(R.id.button38);
    button2 = findViewById(R.id.button39);
    button3 = findViewById(R.id.button40);
    button4 = findViewById(R.id.button41);
    button5 = findViewById(R.id.button71);
    imageButton = findViewById(R.id.imageButton27);

    button.setOnClickListener(v -> {
        Intent intent = new Intent(Moreapps.this, MediaPlayer.class);
        startActivity(intent);
        finish();
    });

    button1.setOnClickListener(v -> {
        Intent intent1 = new Intent(Moreapps.this, VideoPlayer.class);
        startActivity(intent1);
        finish();
    });

    button2.setOnClickListener(v -> {
        Intent intent2 = new Intent(Moreapps.this, Webbrowser.class);
        startActivity(intent2);
        finish();
    });

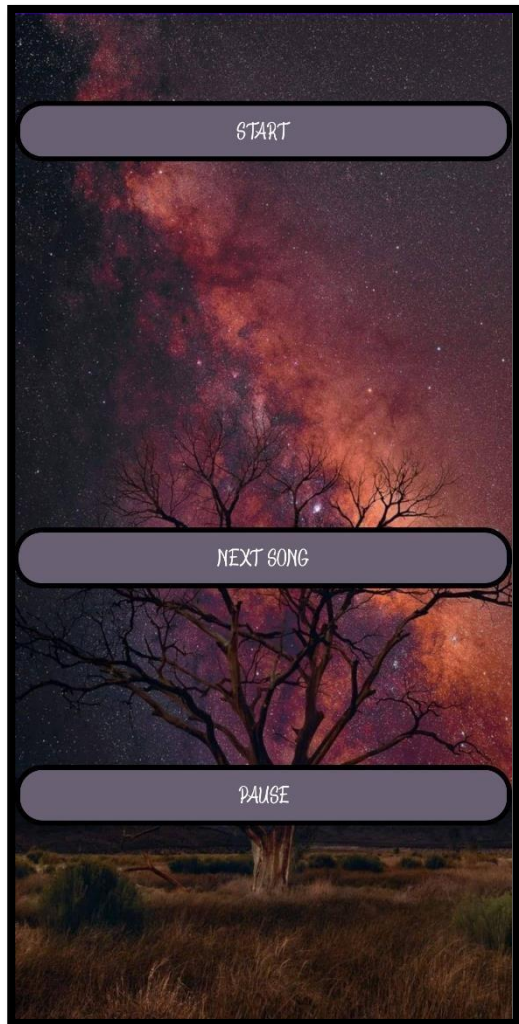
    button3.setOnClickListener(v -> {
        Intent intent3 = new Intent(Moreapps.this, Calculator.class);
        startActivity(intent3);
        finish();
    });

    button4.setOnClickListener(v -> {
        Intent intent4 = new Intent(Moreapps.this, Vibrate.class);
        startActivity(intent4);
        finish();
    });

    button5.setOnClickListener(v -> {
        Intent intent4 = new Intent(Moreapps.this, Realtime.class);
        startActivity(intent4);
        finish();
    });

    imageButton.setOnClickListener(v -> {
        Intent back = new Intent(Moreapps.this, Appsmenu.class);
        startActivity(back);
        finish();
    });
}
}

```

activity_media_player.xml

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:background="@drawable/media"
    android:layout_height="match_parent"
    tools:context=".MediaPlayer">

    <Button
        android:id="@+id/button44"
        android:layout_width="match_parent"
        style="@style/Widget.AppCompat.Button.Borderless"
        android:textColor="@color/white"
        android:background="@drawable/rounded_corners8"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentLeft="true"
        android:layout_alignParentTop="true"
        android:layout_marginStart="0dp"
```



```

        android:layout_marginLeft="0dp"
        android:layout_marginTop="69dp"
        android:text="Start" />

<Button
    style="@style/Widget.AppCompat.Button.Borderless"
    android:textColor="@color/white"
    android:background="@drawable/rounded_corners8"
    android:id="@+id/button45"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_alignParentTop="true"
    android:layout_marginStart="0dp"
    android:layout_marginLeft="0dp"
    android:layout_marginTop="594dp"
    android:text="Pause" />

<Button
    android:id="@+id/button46"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:textColor="@color/white"
    android:background="@drawable/rounded_corners8"
    android:layout_alignParentLeft="true"
    android:layout_alignParentBottom="true"
    android:layout_centerVertical="true"
    android:layout_marginStart="-1dp"
    android:layout_marginLeft="-1dp"
    android:layout_marginBottom="344dp"
    android:text="Next Song" />
</RelativeLayout>

```

MediaPlayer.java

```

package com.example.android;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.widget.Button;

public class MediaPlayer extends AppCompatActivity {
    Button button, button1, button2;
    android.media.MediaPlayer mediaPlayer;

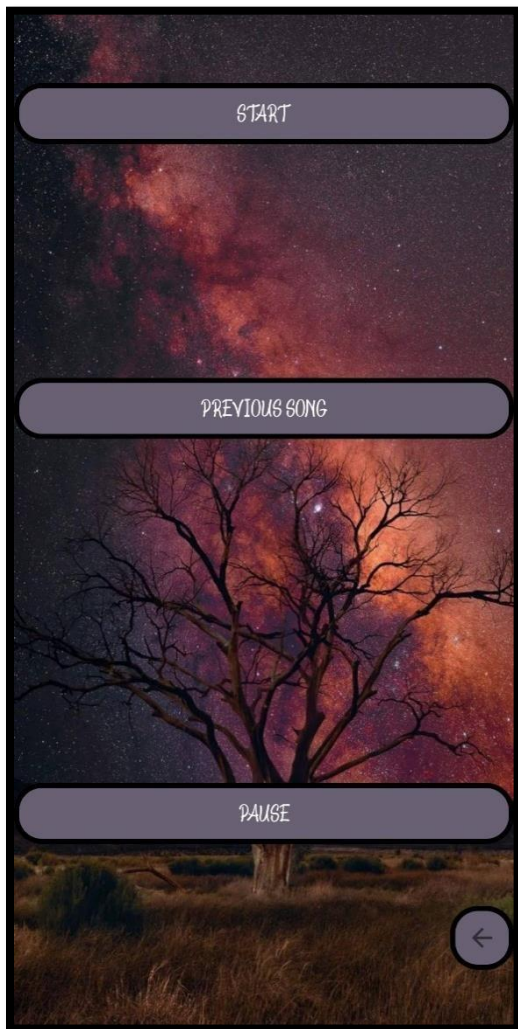
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_media_player);
        button = findViewById(R.id.button44);
    }
}

```

```

        button1 = findViewById(R.id.button45);
        button2 = findViewById(R.id.button46);
        mediaPlayer = android.media.MediaPlayer.create(this, R.raw.humam);
        button.setOnClickListener(view -> mediaPlayer.start());
        button1.setOnClickListener(view -> mediaPlayer.pause());
        button2.setOnClickListener(v -> {
            mediaPlayer.pause();
            Intent intent = new Intent(MediaPlayer.this, MediaPlayer1.class);
            startActivity(intent);
            finish();
        });
    }
}

```



activity_media_player1.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:background="@drawable/media"
tools:context=".MediaPlayer1">

<Button
    android:id="@+id/button47"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_alignParentTop="true"
    android:layout_marginStart="0dp"
    android:layout_marginLeft="0dp"
    android:layout_marginTop="57dp"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:background="@drawable/rounded_corners8"
    android:textColor="@color/white"
    android:text="Start" />

<Button
    android:textColor="@color/white"
    android:background="@drawable/rounded_corners8"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:id="@+id/button48"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_alignParentTop="true"
    android:layout_marginTop="289dp"
    android:text="Previous Song" />

<Button
    style="@style/Widget.AppCompat.Button.Borderless"
    android:id="@+id/button49"
    android:background="@drawable/rounded_corners8"
    android:textColor="@color/white"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_alignParentBottom="true"
    android:layout_marginStart="0dp"
    android:layout_marginBottom="143dp"
    android:text="Pause"
    android:layout_alignParentLeft="true"
    android:layout_marginLeft="0dp" />

<ImageButton
    android:id="@+id/imageButton30"
    android:layout_width="50dp"
    android:layout_height="50dp"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:background="@drawable/rounded_corners8"
    android:layout_alignParentEnd="true"
    android:layout_alignParentBottom="true"

```

```

        android:layout_marginBottom="44dp"
        app:srcCompat="?attr/actionModeCloseDrawable"
        android:layout_alignParentRight="true" />
</RelativeLayout>

```

MediaPlayer1.java

```

package com.example.android;

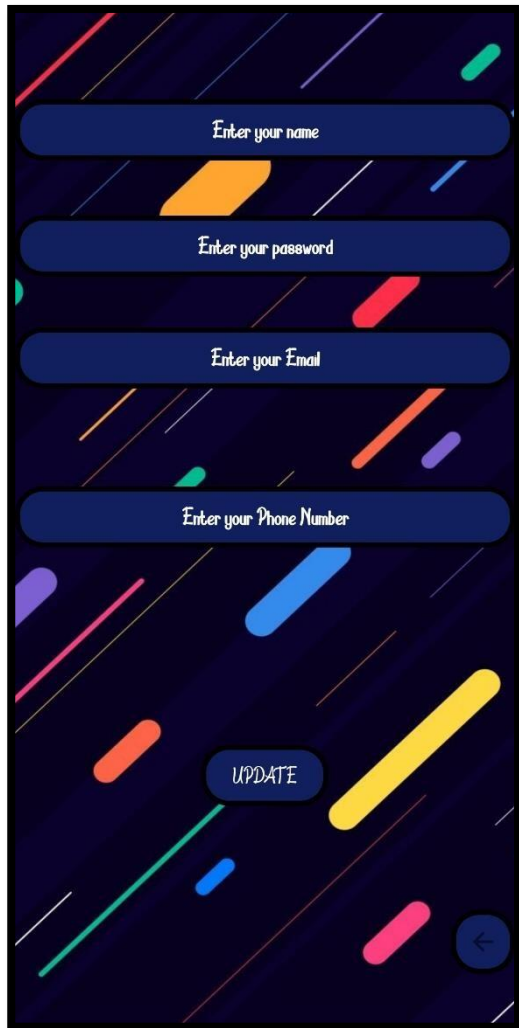
import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.widget.Button;
import android.widget.ImageButton;

public class MediaPlayer1 extends AppCompatActivity {
    Button button, button1, button2;
    ImageButton imageButton;
    android.media.MediaPlayer mediaPlayer;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_media_player1);
        button = findViewById(R.id.button47);
        button2 = findViewById(R.id.button48);
        button1 = findViewById(R.id.button49);
        imageButton = findViewById(R.id.imageButton30);
        mediaPlayer = android.media.MediaPlayer.create(this, R.raw.mishri);
        button.setOnClickListener(view -> mediaPlayer.start());
        button1.setOnClickListener(view -> mediaPlayer.pause());
        button2.setOnClickListener(v -> {
            mediaPlayer.pause();
            Intent intent = new Intent(MediaPlayer1.this, MediaPlayer.class);
            startActivity(intent);
            finish();
        });
        imageButton.setOnClickListener(v -> {
            mediaPlayer.pause();
            Intent back = new Intent(MediaPlayer1.this, Appsmenu.class);
            startActivity(back);
            finish();
        });
    }
}

```



activity_realtime.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:background="@drawable/artistic"
    android:layout_height="match_parent"
    tools:context=".Realtime">

    <EditText
        android:textColorHint="@color/white"
        style="@style/Widget.AppCompat.Button.Borderless"
        android:background="@drawable/rounded_corners6"
        android:textColor="@color/white"
        android:textStyle="bold"
        android:id="@+id/editText5"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
```

```

        android:layout_alignParentLeft="true"
        android:layout_alignParentTop="true"
        android:layout_marginStart="0dp"
        android:layout_marginLeft="0dp"
        android:layout_marginTop="71dp"
        android:ems="10"
        android:inputType="textPersonName"
        android:hint="Enter your name" />

<EditText
    android:textColorHint="@color/white"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:background="@drawable/rounded_corners6"
    android:textColor="@color/white"
    android:textStyle="bold"
    android:id="@+id/editText6"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_alignParentTop="true"
    android:layout_marginTop="162dp"
    android:ems="10"
    android:inputType="textPersonName"
    android:hint="Enter your password"
    android:layout_alignParentLeft="true" />

<EditText
    android:textColorHint="@color/white"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:background="@drawable/rounded_corners6"
    android:textColor="@color/white"
    android:textStyle="bold"
    android:id="@+id/editText7"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_alignParentTop="true"
    android:layout_marginStart="0dp"
    android:layout_marginLeft="0dp"
    android:layout_marginTop="250dp"
    android:ems="10"
    android:inputType="textPersonName"
    android:hint="Enter your Email" />

<EditText
    android:textColorHint="@color/white"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:background="@drawable/rounded_corners6"
    android:textColor="@color/white"
    android:textStyle="bold"
    android:id="@+id/editText8"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_centerVertical="true"
    android:ems="10"

```

```

        android:inputType="textPersonName"
        android:hint="Enter your Phone Number"
        android:layout_alignParentLeft="true" />

<ImageButton
    android:background="@drawable/rounded_corners6"
    android:id="@+id/imageButton33"
    android:layout_width="50dp"
    android:layout_height="50dp"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:layout_alignParentEnd="true"
    android:layout_alignParentBottom="true"
    android:layout_marginBottom="40dp"
    app:srcCompat="?attr/actionModeCloseDrawable"
    android:layout_alignParentRight="true" />

<Button
    android:id="@+id/button72"
    android:layout_width="100dp"
    android:layout_height="wrap_content"
    android:layout_alignParentBottom="true"
    android:textColor="@color/white"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:background="@drawable/rounded_corners6"
    android:layout_centerHorizontal="true"
    android:layout_marginBottom="172dp"
    android:text="Update" />
</RelativeLayout>

```

Users.java

```

package com.example.android;

public class users {
    String name, password, email, phone;

    public users() {
    }

    public users(String name, String password, String email, String phone) {
        this.name = name;
        this.password = password;
        this.email = email;
        this.phone = phone;
    }

    public String getName() {
        return name;
    }

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

    public String getPassword() {

```

```

        return password;
    }

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

    public String getEmail() {
        return email;
    }

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

    public String getPhone() {
        return phone;
    }

    public void setPhone(String phone) {
        this.phone = phone;
    }
}

```

Realtime.java

```

package com.example.android;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.widget.Button;
import android.widget.EditText;
import android.widget.ImageButton;
import android.widget.Toast;

import com.google.firebase.database.DatabaseReference;
import com.google.firebase.database.FirebaseDatabase;

public class Realtime extends AppCompatActivity {
    EditText editText, editText1, editText2, editText3;
    Button button;
    ImageButton imageButton;
    FirebaseDatabase firebaseDatabase;
    DatabaseReference databaseReference;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_realtime);
        editText = findViewById(R.id.editText5);
        editText1 = findViewById(R.id.editText6);
        editText2 = findViewById(R.id.editText7);
        editText3 = findViewById(R.id.editText8);
    }
}

```

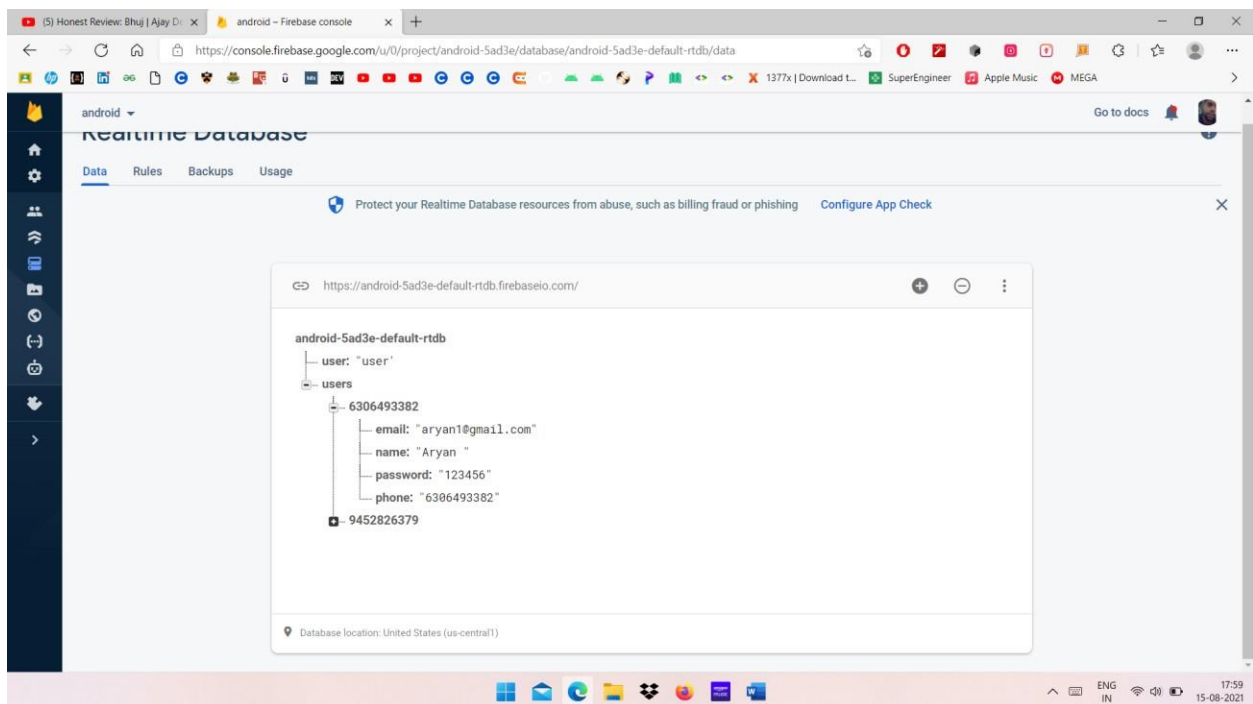


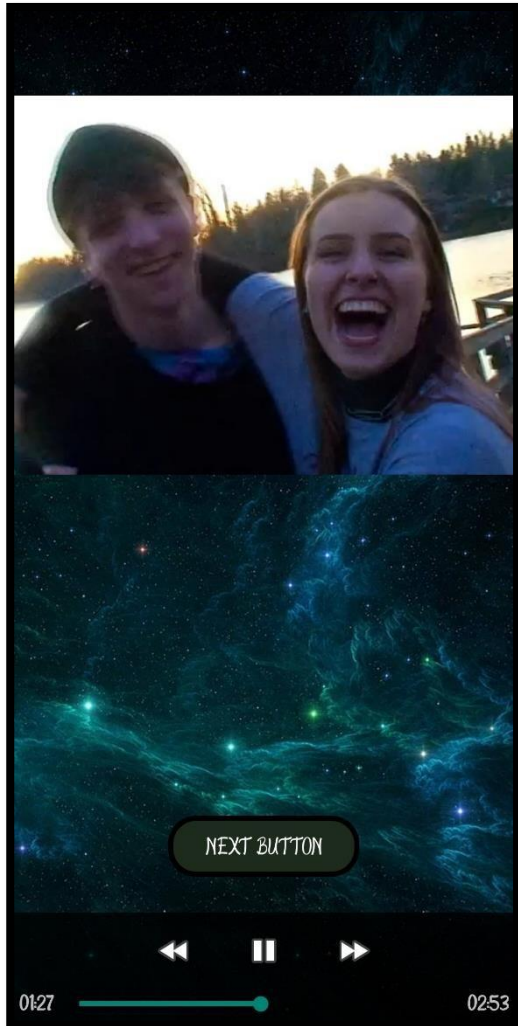
```

button = findViewById(R.id.button72);
imageButton = findViewById(R.id.imageButton33);
firebaseDatabase = FirebaseDatabase.getInstance();
button.setOnClickListener(v -> {
    databaseReference = firebaseDatabase.getReference("users");
    String s1 = editText.getText().toString();
    String s2 = editText1.getText().toString();
    String s3 = editText2.getText().toString();
    String s4 = editText3.getText().toString();
    if(s4.length() != 10)
    {
        Toast.makeText(Realtime.this, "enter valid phone",
Toast.LENGTH_SHORT).show();
    }
    else {
        users users = new users(s1,s2,s3,s4);
        databaseReference.child(s4).setValue(users); //to fix this
value
        Toast.makeText(Realtime.this, "Database completed",
Toast.LENGTH_SHORT).show();
    }

});
imageButton.setOnClickListener(view -> {
    Intent back = new Intent(Realtime.this, Moreapps.class);
    startActivity(back);
    finish();
});
}
}

```





activity_video_player.xml

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:background="@drawable/video"
    android:layout_height="match_parent"
    tools:context=".VideoPlayer">

    <VideoView
        android:id="@+id/videoView2"
        android:layout_width="match_parent"
        android:layout_height="324dp"
        android:layout_alignParentStart="true"
        android:layout_alignParentLeft="true"
        android:layout_alignParentTop="true"
        android:layout_marginStart="0dp"
        android:layout_marginLeft="0dp"
        android:layout_marginTop="68dp" />
```

```

<Button
    android:id="@+id/button50"
    android:layout_width="150dp"
    android:layout_height="wrap_content"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:textColor="@color/white"
    android:background="@drawable/rounded_corners3"
    android:layout_alignParentBottom="true"
    android:layout_centerHorizontal="true"
    android:layout_marginBottom="116dp"
    android:text="Next button" />
</RelativeLayout>

```

VideoPlayer.java

```

package com.example.android;

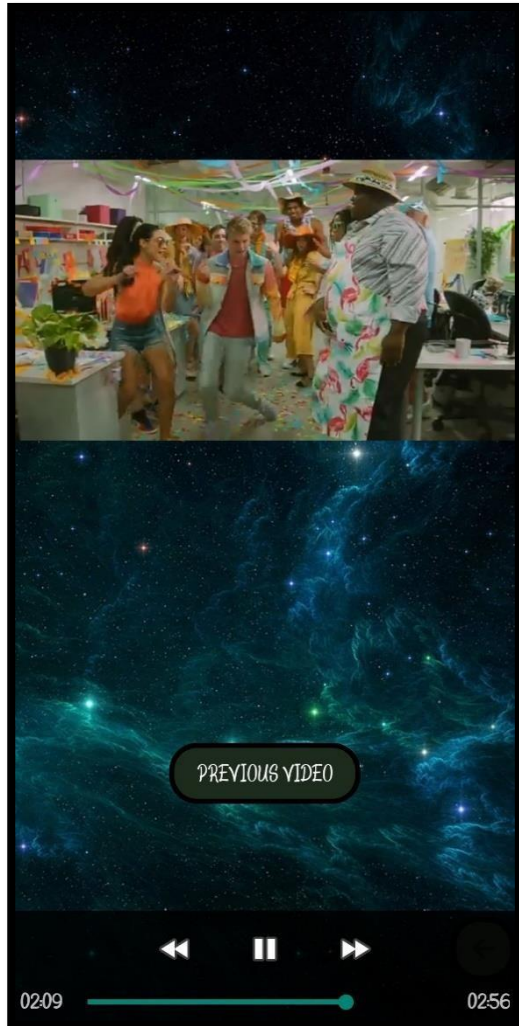
import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.widget.Button;
import android.widget.MediaController;
import android.widget.VideoView;

public class VideoPlayer extends AppCompatActivity {
    Button button;
    VideoView videoView;
    MediaController mediaController;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_video_player);
        button = findViewById(R.id.button50);
        videoView = findViewById(R.id.videoView2);
        mediaController = new MediaController(this);
        videoView.setVideoPath("android.resource://" + getPackageName() + "/"
+R.raw.video);
        videoView.setMediaController(mediaController);
        mediaController.setAnchorView(videoView);
        videoView.start();
        button.setOnClickListener(v -> {
            Intent intent = new Intent(VideoPlayer.this, VideoPlayer1.class);
            startActivity(intent);
            finish();
        });
    }
}

```



activity_video_player1.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:background="@drawable/video"
    android:layout_height="match_parent"
    tools:context=".VideoPlayer1">

    <VideoView
        android:id="@+id/videoView3"
        android:layout_width="match_parent"
        android:layout_height="311dp"
        android:layout_alignParentStart="true"
        android:layout_alignParentLeft="true"
        android:layout_alignParentTop="true"
        android:layout_marginStart="0dp"
        android:layout_marginLeft="0dp"
        android:layout_marginTop="120dp" />
```

```

<Button
    android:id="@+id/button51"
    android:layout_width="150dp"
    android:layout_height="wrap_content"
    android:layout_alignParentBottom="true"
    android:layout_centerHorizontal="true"
    android:layout_marginBottom="172dp"
    android:textColor="@color/white"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:background="@drawable/rounded_corners3"
    android:text="Previous video" />

<ImageButton
    android:id="@+id/imageButton31"
    android:layout_width="50dp"
    android:layout_height="50dp"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:background="@drawable/rounded_corners3"
    android:layout_alignParentEnd="true"
    android:layout_alignParentBottom="true"
    android:layout_marginBottom="33dp"
    app:srcCompat="?attr/actionModeCloseDrawable"
    android:layout_alignParentRight="true" />
</RelativeLayout>

```

VideoPlayer1.java

```

package com.example.android;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.widget.Button;
import android.widget.ImageButton;
import android.widget.MediaController;
import android.widget.VideoView;

public class VideoPlayer1 extends AppCompatActivity {
    Button button;
    VideoView videoView;
    ImageButton imageButton;
    MediaController mediaController;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_video_player1);
        button = findViewById(R.id.button51);
        imageButton = findViewById(R.id.imageButton31);
        videoView = findViewById(R.id.videoView3);
        mediaController = new MediaController(this);
        videoView.setVideoPath("android.resource://" + getPackageName() + "/"
+R.raw.video1);
    }
}

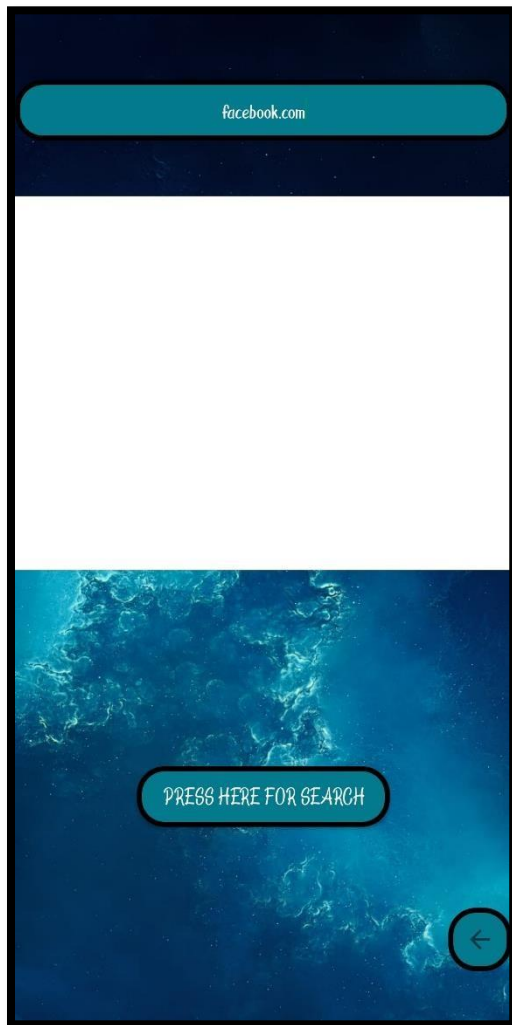
```

```

        videoView.setMediaController(mediaController);
        mediaController.setAnchorView(videoView);
        videoView.start();
        button.setOnClickListener(v -> {
            Intent intent = new Intent(VideoPlayer1.this, VideoPlayer.class);
            startActivity(intent);
            finish();
        });

        imageButton.setOnClickListener(v -> {
            Intent intent1 = new Intent(VideoPlayer1.this, Moreapps.class);
            startActivity(intent1);
            finish();
        });
    }
}

```



activity_webbrowser.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:background="@drawable/web"
    android:layout_height="match_parent"
    tools:context=".Webbrowser">

    <EditText
        android:id="@+id/editText2"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentLeft="true"
        android:layout_alignParentTop="true"
        android:layout_marginStart="0dp"
        android:layout_marginLeft="0dp"
        android:layout_marginTop="53dp"
        android:ems="10"
        style="@style/Widget.AppCompat.Button.Borderless"
        android:textColorHint="@color/white"
        android:textColor="@color/white"
        android:inputType="textPersonName"
        android:background="@drawable/rounded_corners2"
        android:hint="Enter your URL" />

    <WebView
        android:layout_width="match_parent"
        android:layout_height="296dp"
        android:layout_alignParentStart="true"
        android:id="@+id/webView"
        android:layout_alignParentLeft="true"
        android:layout_alignParentTop="true"
        android:layout_marginStart="0dp"
        android:layout_marginLeft="0dp"
        android:layout_marginTop="145dp" />

    <Button
        android:id="@+id/button43"
        android:layout_width="200dp"
        android:textColor="@color/white"
        android:layout_height="wrap_content"
        android:background="@drawable/rounded_corners2"
        android:layout_alignParentBottom="true"
        android:layout_centerHorizontal="true"
        android:layout_marginBottom="154dp"
        android:text="Press here for search" />

    <ImageButton
        android:id="@+id/imageButton29"
        android:layout_width="50dp"
        android:layout_height="50dp"
        android:layout_alignParentEnd="true"
        style="@style/Widget.AppCompat.Button.Borderless"
        android:background="@drawable/rounded_corners2"
        android:layout_alignParentBottom="true"
```

```

        android:layout_marginBottom="40dp"
        app:srcCompat="?attr/actionModeCloseDrawable"
        android:layout_alignParentRight="true" />
</RelativeLayout>

```

Webbrowser.java

```

package com.example.android;

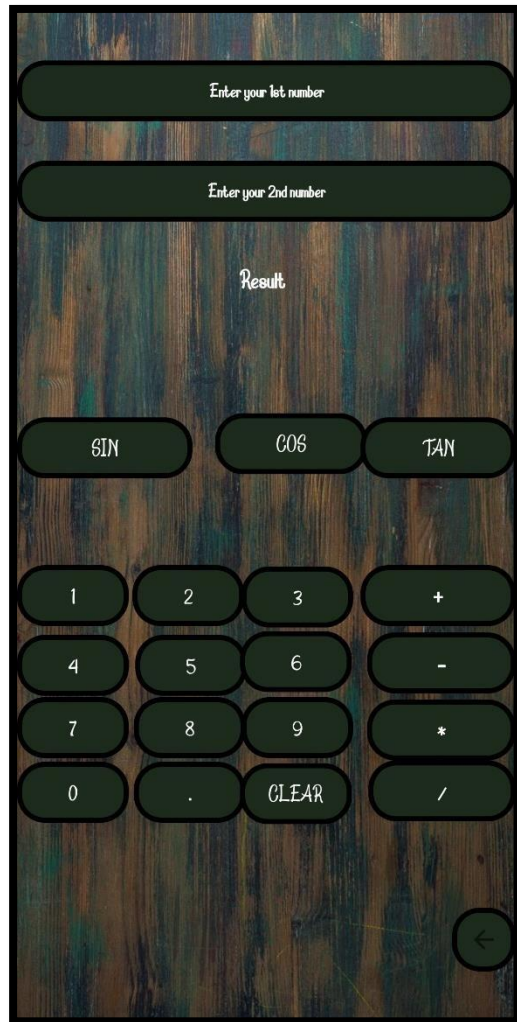
import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.webkit.WebView;
import android.widget.Button;
import android.widget.EditText;
import android.widget.ImageButton;

public class Webbrowser extends AppCompatActivity {
    Button button;
    ImageButton imageButton;
    EditText editText;
    WebView webView;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_webbrowser);
        button = findViewById(R.id.button43);
        imageButton = findViewById(R.id.imageButton29);
        imageButton.setOnClickListener(v -> {
            Intent back = new Intent(Webbrowser.this, Moreapps.class);
            startActivity(back);
            finish();
        });
        editText = findViewById(R.id.editText2);
        webView = findViewById(R.id.webView);
        button.setOnClickListener(view -> {
            String string = editText.getText().toString();
            webView.loadUrl(string);
        });
    }
}

```

activity_calculator.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:background="@drawable/wooden"
    tools:context=".Calculator">

    <EditText
        android:id="@+id/editText3"
        android:textColor="@color/white"
        android:textStyle="bold"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentLeft="true"
        style="@style/Widget.AppCompat.Button.Borderless"
        android:layout_alignParentTop="true"
```

```

        android:layout_marginStart="0dp"
        android:layout_marginLeft="0dp"
        android:layout_marginTop="41dp"
        android:ems="10"
        android:textColorHint="@color/white"
        android:textSize="15dp"
        android:background="@drawable/rounded_corners3"
        android:inputType="numberDecimal"
        android:hint="Enter your 1st number" />

<EditText
    android:textStyle="bold"
    android:textColor="@color/white"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:id="@+id/editText4"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_alignParentTop="true"
    android:layout_marginTop="120dp"
    android:background="@drawable/rounded_corners3"
    android:ems="10"
    android:textColorHint="@color/white"
    android:textSize="15dp"
    android:inputType="numberDecimal"
    android:hint="Enter your 2nd number"
    android:layout_alignParentLeft="true" />

<TextView
    android:textStyle="bold"
    android:textColorHint="@color/white"
    android:id="@+id/textView11"
    android:layout_width="60dp"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_alignParentTop="true"
    android:layout_centerHorizontal="true"
    android:layout_marginStart="175dp"
    android:layout_marginLeft="175dp"
    android:layout_marginTop="202dp"
    android:text="Result"
    android:textColor="@color/white"
    android:textSize="20dp" />

<Button
    android:id="@+id/button52"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_alignParentBottom="true"
    android:layout_marginBottom="312dp"
    android:text="1"
    android:background="@drawable/rounded_corners3"
    android:textColor="@color/white"
    android:layout_alignParentLeft="true" />

```

```
<Button
    style="@style/Widget.AppCompat.Button.Borderless"
    android:id="@+id/button53"
    android:background="@drawable/rounded_corners3"
    android:textColor="@color/white"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_alignParentBottom="true"
    android:layout_marginStart="91dp"
    android:layout_marginLeft="91dp"
    android:layout_marginBottom="312dp"
    android:text="2" />
```

```
<Button
    android:id="@+id/button54"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_alignParentBottom="true"
    android:layout_marginEnd="128dp"
    android:layout_marginRight="128dp"
    android:layout_marginBottom="311dp"
    android:background="@drawable/rounded_corners3"
    android:text="3"
    android:textColor="@color/white" />
```

```
<Button
    style="@style/Widget.AppCompat.Button.Borderless"
    android:textColor="@color/white"
    android:id="@+id/button55"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_alignParentBottom="true"
    android:layout_marginBottom="257dp"
    android:text="4"
    android:background="@drawable/rounded_corners3"
    android:layout_alignParentLeft="true" />
```

```
<Button
    style="@style/Widget.AppCompat.Button.Borderless"
    android:id="@+id/button56"
    android:textColor="@color/white"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_alignParentBottom="true"
    android:layout_marginStart="93dp"
    android:layout_marginLeft="93dp"
    android:background="@drawable/rounded_corners3"
    android:layout_marginBottom="257dp"
```

```

        android:text="5" />

<Button
    android:id="@+id/button57"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_alignParentBottom="true"
    android:layout_marginEnd="129dp"
    android:layout_marginRight="129dp"
    android:layout_marginBottom="260dp"
    android:background="@drawable/rounded_corners3"
    android:text="6"
    android:textColor="@color/white" />

<Button
    style="@style/Widget.AppCompat.Button.Borderless"
    android:textColor="@color/white"
    android:id="@+id/button58"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_alignParentBottom="true"
    android:layout_marginStart="0dp"
    android:layout_marginBottom="208dp"
    android:text="7"
    android:layout_marginLeft="0dp"
    android:background="@drawable/rounded_corners3"
    android:layout_alignParentLeft="true" />

<Button
    style="@style/Widget.AppCompat.Button.Borderless"
    android:textColor="@color/white"
    android:id="@+id/button59"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_alignParentBottom="true"
    android:layout_marginStart="92dp"
    android:layout_marginLeft="92dp"
    android:layout_marginBottom="208dp"
    android:background="@drawable/rounded_corners3"
    android:text="8" />

<Button
    android:id="@+id/button60"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_alignParentBottom="true"
    android:layout_marginEnd="128dp"
    android:layout_marginRight="128dp"

```

```
    android:layout_marginBottom="208dp"
    android:background="@drawable/rounded_corners3"
    android:text="9"
    android:textColor="@color/white" />
```

```
<Button
    android:id="@+id/button61"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:textColor="@color/white"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_alignParentBottom="true"
    android:layout_marginStart="0dp"
    android:layout_marginLeft="0dp"
    android:background="@drawable/rounded_corners3"
    android:layout_marginBottom="157dp"
    android:text="0" />
```

```
<Button
    style="@style/Widget.AppCompat.Button.Borderless"
    android:textColor="@color/white"
    android:id="@+id/button62"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_alignParentBottom="true"
    android:layout_marginStart="92dp"
    android:layout_marginLeft="92dp"
    android:layout_marginBottom="157dp"
    android:background="@drawable/rounded_corners3"
    android:textStyle="bold"
    android:text="." />
```

```
<Button
    android:id="@+id/button63"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_alignParentBottom="true"
    android:layout_marginEnd="129dp"
    android:layout_marginRight="129dp"
    android:layout_marginBottom="156dp"
    android:background="@drawable/rounded_corners3"
    android:text="clear"
    android:textColor="@color/white" />
```

```
<Button
    android:id="@+id/button64"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:layout_width="122dp"
    android:layout_height="wrap_content"
    android:layout_alignParentEnd="true"
```

```

        android:layout_alignParentRight="true"
        android:layout_alignParentBottom="true"
        android:layout_marginEnd="0dp"
        android:layout_marginRight="0dp"
        android:layout_marginBottom="312dp"
        android:background="@drawable/rounded_corners3"
        android:text="+"
        android:textColor="@color/white" />

<Button
    android:id="@+id/button65"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:layout_width="117dp"
    android:layout_height="wrap_content"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_alignParentBottom="true"
    android:layout_marginEnd="0dp"
    android:layout_marginRight="0dp"
    android:layout_marginBottom="259dp"
    android:background="@drawable/rounded_corners3"
    android:text="-"
    android:textColor="@color/white"
    android:textStyle="bold" />

<Button
    android:id="@+id/button66"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:layout_width="117dp"
    android:layout_height="wrap_content"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_alignParentBottom="true"
    android:layout_marginEnd="0dp"
    android:layout_marginRight="0dp"
    android:layout_marginBottom="206dp"
    android:background="@drawable/rounded_corners3"
    android:text="*"
    android:textColor="@color/white" />

<Button
    android:id="@+id/button67"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:layout_width="116dp"
    android:layout_height="wrap_content"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_alignParentBottom="true"
    android:layout_marginEnd="0dp"
    android:layout_marginRight="0dp"
    android:layout_marginBottom="158dp"
    android:background="@drawable/rounded_corners3"
    android:text="/"
    android:textColor="@color/white" />

<Button
    android:textColor="@color/white"

```

```
style="@style/Widget.AppCompat.Button.Borderless"
android:id="@+id/button68"
android:layout_width="138dp"
android:layout_height="wrap_content"
android:layout_alignParentStart="true"
android:layout_alignParentTop="true"
android:layout_marginTop="322dp"
android:text="Sin"
android:background="@drawable/rounded_corners3"
android:layout_alignParentLeft="true" />
```

<Button

```
android:id="@+id/button69"
style="@style/Widget.AppCompat.Button.Borderless"
android:layout_width="120dp"
android:layout_height="wrap_content"
android:layout_alignParentStart="true"
android:layout_alignParentLeft="true"
android:layout_alignParentTop="true"
android:layout_centerHorizontal="true"
android:layout_marginStart="156dp"
android:layout_marginLeft="156dp"
android:layout_marginTop="319dp"
android:background="@drawable/rounded_corners3"
android:text="Cos"
android:textColor="@color/white" />
```

<Button

```
android:id="@+id/button70"
style="@style/Widget.AppCompat.Button.Borderless"
android:layout_width="122dp"
android:layout_height="wrap_content"
android:layout_alignParentTop="true"
android:layout_alignParentEnd="true"
android:layout_alignParentRight="true"
android:layout_marginTop="322dp"
android:layout_marginEnd="0dp"
android:layout_marginRight="0dp"
android:background="@drawable/rounded_corners3"
android:text="Tan"
android:textColor="@color/white" />
```

<ImageButton

```
android:id="@+id/imageButton32"
android:layout_width="50dp"
android:layout_height="50dp"
android:layout_alignParentEnd="true"
android:layout_alignParentBottom="true"
android:layout_marginBottom="40dp"
style="@style/Widget.AppCompat.Button.Borderless"
android:background="@drawable/rounded_corners3"
app:srcCompat="?attr/actionModeCloseDrawable"
android:layout_alignParentRight="true" />
```

</RelativeLayout>

Calculator.java

```
package com.example.android;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.speech.tts.TextToSpeech;
import android.widget.Button;
import android.widget.EditText;
import android.widget.ImageButton;
import android.widget.TextView;

import java.util.Locale;

public class Calculator extends AppCompatActivity {
    EditText editText, editText1;
    TextView textView;
    ImageButton imageButton;
    Button button, button1, button2, button3, button4, button5, button6,
    button7, button8, button9, button10, button11, button12, button13, button14,
    button15, button16, button17, button18;
    TextToSpeech textToSpeech;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_calculator);
        editText = findViewById(R.id.editText3);
        editText1 = findViewById(R.id.editText4);
        textView = findViewById(R.id.textView11);
        imageButton = findViewById(R.id.imageButton32);
        button = findViewById(R.id.button52);
        button1 = findViewById(R.id.button53);
        button2 = findViewById(R.id.button54);
        button3 = findViewById(R.id.button55);
        button4 = findViewById(R.id.button56);
        button5 = findViewById(R.id.button57);
        button6 = findViewById(R.id.button58);
        button7 = findViewById(R.id.button59);
        button8 = findViewById(R.id.button60);
        button9 = findViewById(R.id.button61);
        button10 = findViewById(R.id.button62);
        button11 = findViewById(R.id.button63);
        button12 = findViewById(R.id.button64);
        button13 = findViewById(R.id.button65);
        button14 = findViewById(R.id.button66);
        button15 = findViewById(R.id.button67);
        button16 = findViewById(R.id.button68);
        button17 = findViewById(R.id.button69);
        button18 = findViewById(R.id.button70);
        textToSpeech = new TextToSpeech(this, i -> {
            textToSpeech.setLanguage(Locale.ENGLISH);
        });
    }
}
```



```

        textToSpeech.setSpeechRate(0.6f);
    });
    editText.setOnClickListener(view -> {
        button.setOnClickListener(view14 ->
            editText.setText(editText.getText() + "1"));
        button1.setOnClickListener(view121 ->
            editText.setText(editText.getText() + "2"));
        button2.setOnClickListener(view117 ->
            editText.setText(editText.getText() + "3"));
        button3.setOnClickListener(view110 ->
            editText.setText(editText.getText() + "4"));
        button4.setOnClickListener(view123 ->
            editText.setText(editText.getText() + "5"));
        button5.setOnClickListener(view19 ->
            editText.setText(editText.getText() + "6"));
        button6.setOnClickListener(view118 ->
            editText.setText(editText.getText() + "7"));
        button7.setOnClickListener(view124 ->
            editText.setText(editText.getText() + "8"));
        button8.setOnClickListener(view13 ->
            editText.setText(editText.getText() + "9"));
        button9.setOnClickListener(view120 ->
            editText.setText(editText.getText() + "0"));
        button10.setOnClickListener(view18 ->
            editText.setText(editText.getText() + "."));
        button11.setOnClickListener(view122 -> editText.setText(""));
    });
    editText1.setOnClickListener(view -> {
        button.setOnClickListener(view116 ->
            editText1.setText(editText1.getText() + "1"));
        button1.setOnClickListener(view15 ->
            editText1.setText(editText1.getText() + "2"));
        button2.setOnClickListener(view17 ->
            editText1.setText(editText1.getText() + "3"));
        button3.setOnClickListener(view16 ->
            editText1.setText(editText1.getText() + "4"));
        button4.setOnClickListener(view12 ->
            editText1.setText(editText1.getText() + "5"));
        button5.setOnClickListener(view119 ->
            editText1.setText(editText1.getText() + "6"));
        button6.setOnClickListener(view111 ->
            editText1.setText(editText1.getText() + "7"));
        button7.setOnClickListener(view113 ->
            editText1.setText(editText1.getText() + "8"));
        button8.setOnClickListener(view114 ->
            editText1.setText(editText1.getText() + "9"));
        button9.setOnClickListener(view1 ->
            editText1.setText(editText1.getText() + "0"));
        button10.setOnClickListener(view115 ->
            editText1.setText(editText1.getText() + "."));
        button11.setOnClickListener(view112 -> editText1.setText(""));
    });
    button12.setOnClickListener(view -> {
        String s1 = editText.getText().toString();
        String s2 = editText1.getText().toString();
        Float f1 = Float.parseFloat(s1);
        Float f2 = Float.parseFloat(s2);
    });

```

```

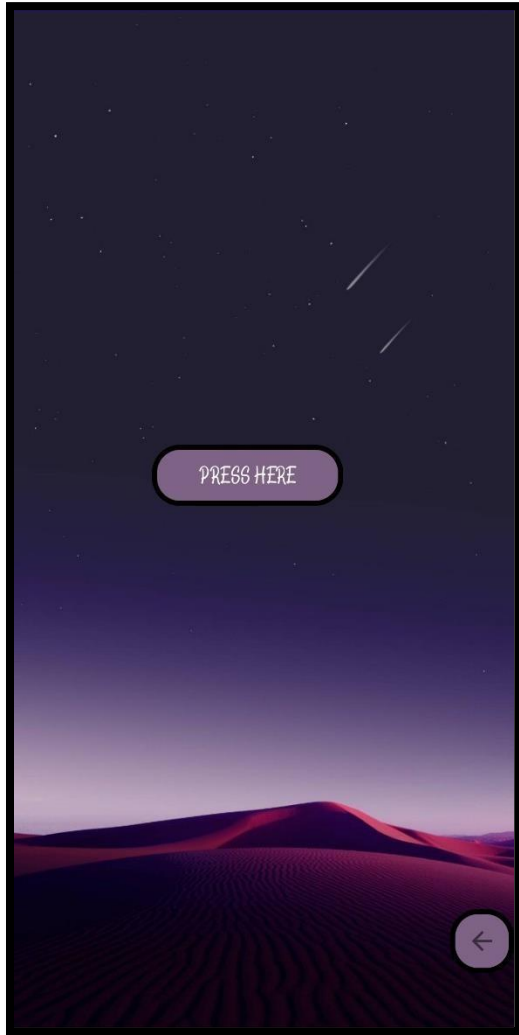
        float f3 = f1 + f2;
        String s3 = Float.toString(f3);
        textView.setText(s3);
        textToSpeech.speak(s3, TextToSpeech.QUEUE_FLUSH, null);
    });
    button13.setOnClickListener(view -> {
        String s1 = editText.getText().toString();
        String s2 = editText1.getText().toString();
        Float f1 = Float.parseFloat(s1);
        Float f2 = Float.parseFloat(s2);
        float f3 = f1 - f2;
        String s3 = Float.toString(f3);
        textView.setText(s3);
        textToSpeech.speak(s3, TextToSpeech.QUEUE_FLUSH, null);
    });
    button14.setOnClickListener(view -> {
        String s1 = editText.getText().toString();
        String s2 = editText1.getText().toString();
        Float f1 = Float.parseFloat(s1);
        Float f2 = Float.parseFloat(s2);
        float f3 = f1 * f2;
        String s3 = Float.toString(f3);
        textView.setText(s3);
        textToSpeech.speak(s3, TextToSpeech.QUEUE_FLUSH, null);
    });
    button15.setOnClickListener(view -> {
        String s1 = editText.getText().toString();
        String s2 = editText1.getText().toString();
        Float f1 = Float.parseFloat(s1);
        Float f2 = Float.parseFloat(s2);
        float f3 = f1 / f2;
        String s3 = Float.toString(f3);
        textView.setText(s3);
        textToSpeech.speak(s3, TextToSpeech.QUEUE_FLUSH, null);
    });
    button16.setOnClickListener(view -> {
        String s1 = editText.getText().toString();
        double d1 = Double.parseDouble(s1);
        double a = Math.toRadians(d1);
        double c = Math.sin(a);
        String s3 = Double.toString(c);
        textView.setText(s3);
        textToSpeech.speak(s3, TextToSpeech.QUEUE_FLUSH, null);
    });
    button17.setOnClickListener(view -> {
        String s1 = editText.getText().toString();
        double d1 = Double.parseDouble(s1);
        double a = Math.toRadians(d1);
        double c = Math.cos(a);
        String s3 = Double.toString(c);
        textView.setText(s3);
        textToSpeech.speak(s3, TextToSpeech.QUEUE_FLUSH, null);
    });
    button18.setOnClickListener(view -> {
        String s1 = editText.getText().toString();
        double d1 = Double.parseDouble(s1);
        double a = Math.toRadians(d1);

```

```

        double c = Math.tan(a);
        String s3 = Double.toString(c);
        textView.setText(s3);
        textToSpeech.speak(s3, TextToSpeech.QUEUE_FLUSH, null);
    });
    imageButton.setOnClickListener(v -> {
        Intent intent = new Intent(Calculator.this, Moreapps.class);
        startActivity(intent);
        finish();
    });
}

```



activity_vibrate.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:background="@drawable/vib"
    android:layout_height="match_parent"
    tools:context=".Vibrate">

```

```

<Button
    android:id="@+id/button42"
    android:layout_width="150dp"
    android:layout_height="wrap_content"
    android:layout_alignParentTop="true"
    android:layout_alignParentEnd="true"
    android:layout_alignParentRight="true"
    android:layout_centerInParent="true"
    android:layout_marginTop="341dp"
    android:layout_marginEnd="134dp"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:textColor="@color/white"
    android:background="@drawable/rounded_corners4"
    android:layout_marginRight="134dp"
    android:text="Press here" />

<ImageButton
    android:id="@+id/imageButton28"
    android:layout_width="50dp"
    style="@style/Widget.AppCompat.Button.Borderless"
    android:background="@drawable/rounded_corners4"
    android:layout_height="50dp"
    android:layout_alignParentEnd="true"
    android:layout_alignParentBottom="true"
    android:layout_marginBottom="43dp"
    app:srcCompat="?attr/actionModeCloseDrawable"
    android:layout_alignParentRight="true" />
</RelativeLayout>

```

Vibrate.java

```

package com.example.android;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.os.Vibrator;
import android.widget.Button;
import android.widget.ImageButton;

public class Vibrate extends AppCompatActivity {
    Button button;
    Vibrator vib;
    ImageButton imageButton;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_vibrate);
        button = findViewById(R.id.button42);
        imageButton = findViewById(R.id.imageButton28);
        vib = (Vibrator) getSystemService(VIBRATOR_SERVICE);
        button.setOnClickListener(v -> vib.vibrate(2000));
    }
}

```

```
        ImageButton.setOnClickListener(v -> {
            Intent back = new Intent(Vibrate.this, Moreapps.class);
            startActivity(back);
            finish();
        });
    }
}
```

Thank You