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## *PROJECT REPORT ON*

Under Supervision-

Santu Purkait

Director.

Netcamp Solutions Pvt. Ltd.

9331090003

[santu@netcamp.in](mailto:santu@netcamp.in)

[www.netcamp.in](http://www.netcamp.in)

## *ANDROID*

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*SUBMITTED BY*

Arjun vyas

GLA UNIVERSITY, MATHURA

## *Acknowledgement*

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*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.*

*I would like to express my gratitude toward Mr. Santu Purkait, Director: Netcamp Solutions Pvt. Ltd. For their kind co-operation and encouragement which help me in completion of this project.*

*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.*

---

Name: Arjun vyas

Univ Roll no: 191500147

College: Gla University , Mathura

Date: 30-06-2021

# Certificate of Industrial Training

| [www.netcamp.in](http://www.netcamp.in)

NETCAMP®



NSPL/22-24/21/449

This is to certify that

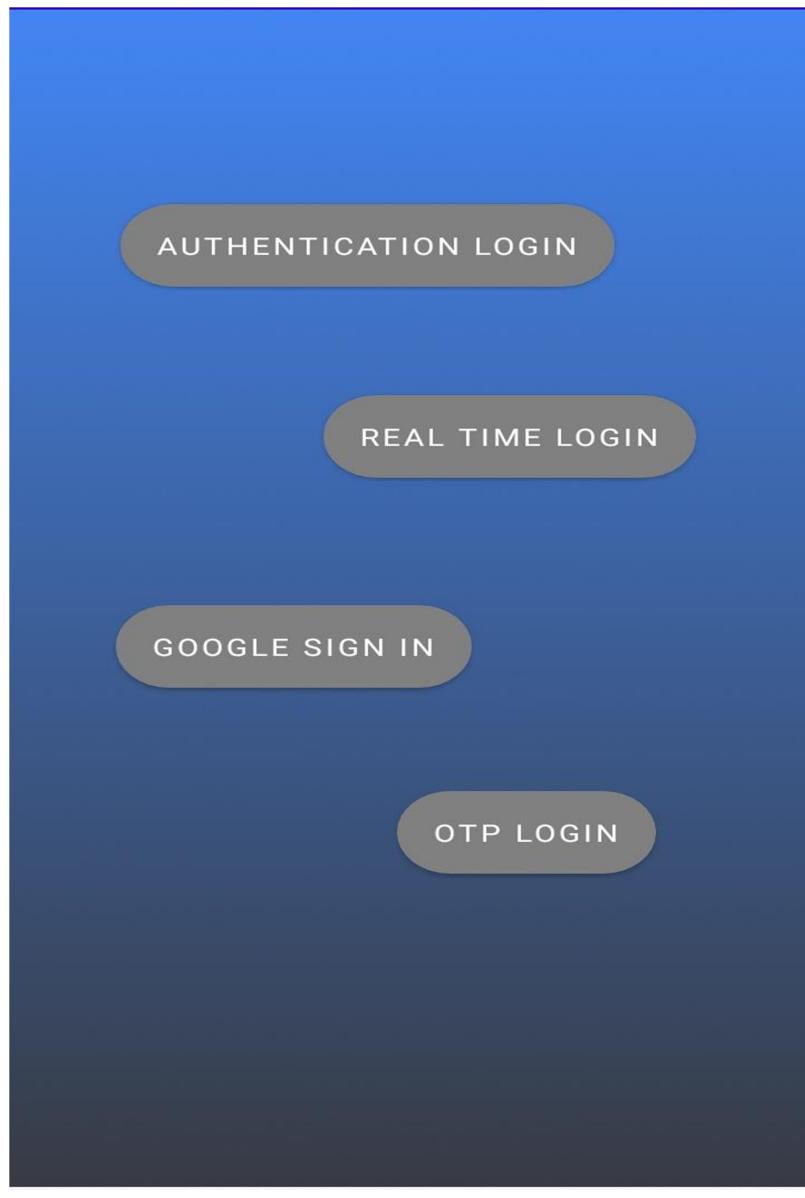
Arjun Vyas

has successfully completed Industrial Training on Network Management and Web development with Android and Core Java with our company during 15<sup>th</sup> June, 2021 - 31<sup>st</sup> August, 2021

A handwritten signature in black ink that reads "SANTU".

Santu Purkait  
Director  
Netcamp Solutions Private Limited

# ACTIVITY MAIN.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/gratiant"
    tools:context=".MainActivity">

    <Button
        android:id="@+id/auth"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentTop="true"
        android:layout_marginStart="50dp"
        android:layout_marginTop="113dp"
        android:background="@drawable/blue_border_rounded_cornwe"
        android:text="Authentication Login"
        app:backgroundTint="#808080" />

    <Button
        android:id="@+id/realm"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_alignParentEnd="true"
        android:layout_marginTop="224dp"
        android:layout_marginEnd="52dp"
        android:background="@drawable/blue_border_rounded_cornwe"
        android:text="Real time Login"
        app:backgroundTint="#808080" />

    <Button
        android:id="@+id/gsignin"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentTop="true"
        android:layout_centerVertical="true"
        android:layout_marginStart="48dp"
        android:layout_marginTop="346dp"
        android:background="@drawable/blue_border_rounded_cornwe"
        android:text="Google Sign in"
        app:backgroundTint="#808080" />

    <Button
        android:id="@+id/otp"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentEnd="true"
        android:layout_alignParentBottom="true"
        android:layout_marginEnd="70dp"
        android:layout_marginBottom="182dp"
        android:background="@drawable/blue_border_rounded_cornwe"
        android:text="OTP Login"
        app:backgroundTint="#808080" />
</RelativeLayout>
```

# ACTIVITY MAIN.JAVA

```
package com.example.netcampproject;

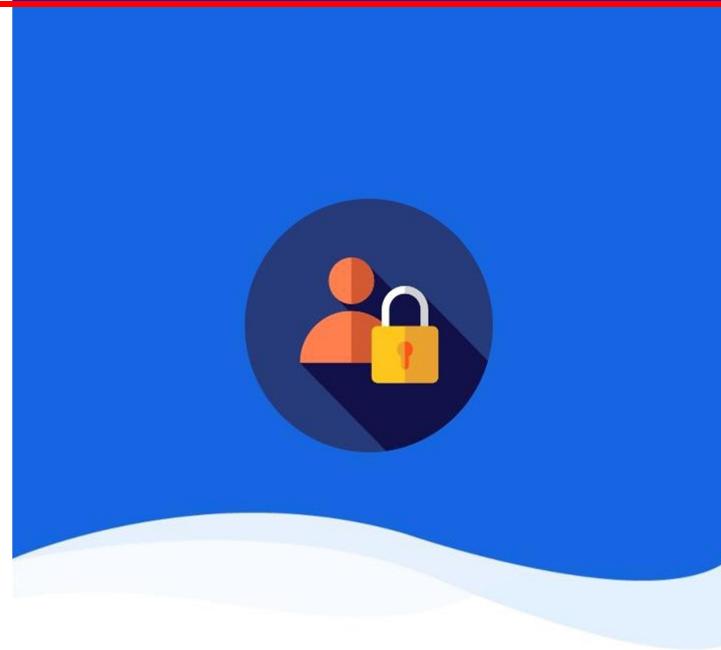
import androidx.appcompat.app.AppCompatActivity;

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

public class MainActivity extends AppCompatActivity {
    Button b1,b2,b3,b4;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        getSupportActionBar().hide();
        b1=findViewById(R.id.auth);
        b2=findViewById(R.id.real);
        b3=findViewById(R.id.gsignin);
        b4=findViewById(R.id.otp);
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Toast.makeText(MainActivity.this, "Enter all the details",
                Toast.LENGTH_SHORT).show();
                Intent i=new Intent(MainActivity.this,Login.class);
                startActivity(i);
                finish();
            }
        });
        b2.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent i=new Intent(MainActivity.this,real_time_database_login.class);
                startActivity(i);
                finish();
            }
        });
        b3.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Toast.makeText(MainActivity.this, "Login with Google",
                Toast.LENGTH_SHORT).show();
                startActivity(new Intent(MainActivity.this,Google_login.class));
                finish();
            }
        });
        b4.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Toast.makeText(MainActivity.this, "Login with OTP", Toast.LENGTH_SHORT).show();
                startActivity(new Intent(MainActivity.this,Otp.class));
                finish();
            }
        });
    }
}
```

# ACTIVITY-LOGIN.XML



[Forgot password?](#)

**LOGIN**

[SIGN UP](#)

```
<?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"
    tools:context=".Login">

    <ScrollView
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:layout_marginStart="0dp"
        android:layout_alignParentStart="true"
        android:layout_alignParentTop="true"
        android:layout_alignParentEnd="true"
        android:layout_alignParentBottom="true">

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:orientation="vertical"
            android:paddingBottom="20dp">

            <FrameLayout
                android:layout_width="match_parent"
                android:layout_height="320dp"
                android:background="@drawable/blue_bg">

                <ImageView
                    android:layout_width="125dp"
                    android:layout_height="125dp"
                    android:layout_gravity="center"
                    android:src="@drawable/login" />
            </FrameLayout>

            <LinearLayout
                android:layout_width="match_parent"
                android:layout_height="match_parent"
                android:layout_marginLeft="35dp"
                android:layout_marginTop="20dp"
                android:layout_marginRight="35dp"
                android:layout_marginBottom="10dp"

                android:background="@drawable/blue_border_rounded_cornwe"
                android:orientation="vertical"
                android:padding="20dp">

                <EditText
                    android:id="@+id/ologin"
                    android:layout_width="match_parent"
                    android:layout_height="wrap_content"
                    android:layout_marginLeft="3dp"
                    android:layout_marginTop="20dp"
                    android:layout_marginRight="3dp"
                    android:background="@drawable/blue_border_rounded_cornwe"
                    android:ems="10"
                    android:hint="E-mail"
                    android:inputType="textEmailAddress"
                    android:padding="10dp"
                    android:textAlignment="center" />

                <EditText
                    android:id="@+id/ootp"
                    android:layout_width="match_parent"
                    android:layout_height="wrap_content"
                    android:layout_marginLeft="3dp"
                    android:layout_marginTop="20dp"
                    android:layout_marginRight="3dp"
                    android:background="@drawable/blue_border_rounded_cornwe"
                    android:ems="10"
                    android:hint="OTP"
                    android:inputType="text"
                    android:padding="10dp"
                    android:textAlignment="center" />
            </LinearLayout>
        </ScrollView>
    </RelativeLayout>
```

```
        android:layout_marginLeft="3dp"
        android:layout_marginTop="10dp"
        android:layout_marginRight="3dp"
        android:background="@drawable/blue_border_rounded_cornwe"
        android:ems="10"
        android:hint="Password"
        android:inputType="textPassword"
        android:padding="10dp"

        android:textAlignment="center" />

<TextView
    android:id="@+id/res"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="right"
    android:layout_marginTop="5dp"
    android:layout_marginRight="5dp"
    android:foregroundGravity="right"
    android:gravity="right"
    android:text="Forgot password?"
    android:textColor="#0288D1"
    android:textSize="18sp"
    android:textStyle="bold" />

<Button
    android:id="@+id/otpbutton"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginLeft="5dp"
    android:layout_marginTop="10dp"
    android:layout_marginRight="5dp"
    android:background="@drawable/blue_border_rounded_cornwe"
    android:text="Login"
    app:backgroundTint="#F01E3BDB" />

<Button
    android:id="@+id/twobtn"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginLeft="5dp"
    android:layout_marginTop="10dp"
    android:layout_marginRight="5dp"
    android:background="@drawable/blue_border_rounded_cornwe"
    android:text="Sign up"
    android:textColor="#B95C4842"
    app:backgroundTint="#F4F2F0" />
</LinearLayout>

</LinearLayout>
</ScrollView>

</RelativeLayout>
```

# LOGIN.JAVA

```
package com.example.netcampproject;

import androidx.annotation.NonNull;
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.Toast;

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

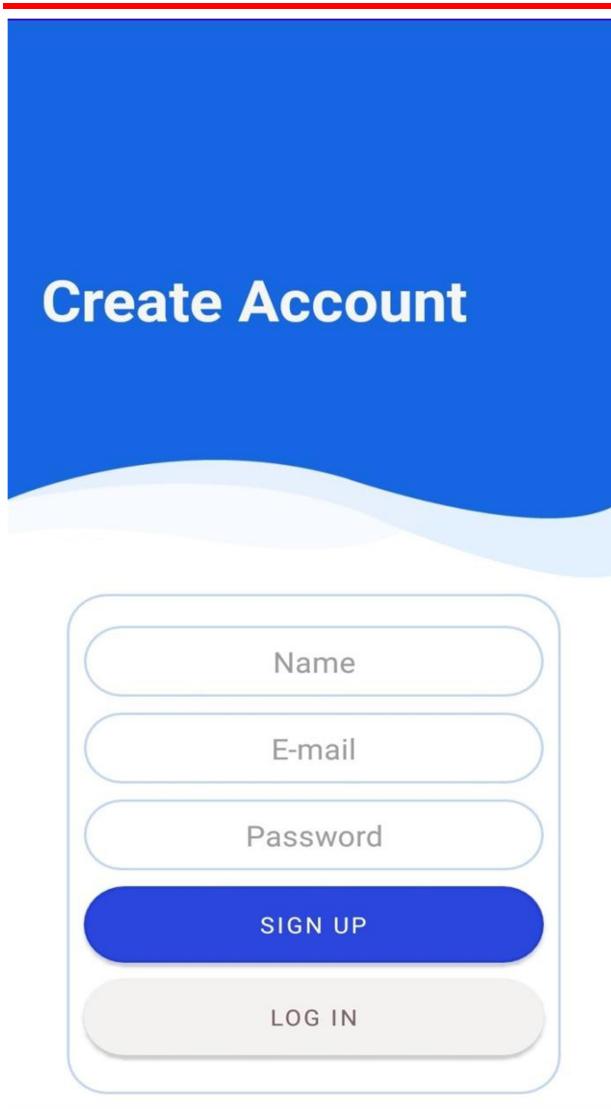
public class Login extends AppCompatActivity {
    FirebaseAuth firebaseAuth;
    EditText e1,e2;
    Button b1,b2;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_login);
        getSupportActionBar().hide();
        b1=findViewById(R.id.otpbutton);
        e1=findViewById(R.id.ologin);
        e2=findViewById(R.id.ootp);
        e2.setInputType(InputType.TYPE_CLASS_TEXT|InputType.TYPE_TEXT_VARIATION_PASSWORD);
        firebaseAuth=FirebaseAuth.getInstance();
        b2=findViewById(R.id.twobtn);
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                String s1=e1.getText().toString();
                String s2=e2.getText().toString();
                if (s1.isEmpty()) {
                    Toast.makeText(Login.this, "Plz fill all the fields",
                    Toast.LENGTH_SHORT).show();
                    return;
                }
                else {
                    if (s2.isEmpty()) {
                        Toast.makeText(Login.this, "Plzz fill all the fields",
                        Toast.LENGTH_SHORT).show();
                        return;
                    }
                    else {
                        firebaseAuth.signInWithEmailAndPassword(s1,
                        s2).addOnCompleteListener(new OnCompleteListener<AuthResult>() {
                            @Override
                            public void onComplete(@NonNull Task<AuthResult> task) {
                                if (task.isSuccessful()) {
                                    Toast.makeText(Login.this, "Login Succesfull",
                                    Toast.LENGTH_SHORT).show();
                                    startActivity(new Intent(Login.this,MainActivity2.class));
                                    finish();
                                }
                            }
                        });
                    }
                }
            }
        });
    }
}
```

```
        } else {
            Toast.makeText(Login.this, "You are not registered with
us", Toast.LENGTH_SHORT).show();
            Intent i = new Intent(Login.this, Registration.class);
            startActivity(i);
            finish();
        }
    });
}
});

b2.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        Intent i=new Intent(Login.this,Registration.class);
        startActivity(i);
        finish();
    }
});
}
}
```

# ACTIVITY-REGISTRATION.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"
    tools:context=".Registration">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:layout_alignParentStart="true"
        android:layout_alignParentTop="true"
        android:layout_alignParentEnd="true"
        android:layout_alignParentBottom="true"
        android:layout_centerHorizontal="true"
        android:orientation="vertical">
```

```
<FrameLayout
    android:layout_width="match_parent"
    android:layout_height="350dp"
    android:background="@drawable/blue_bg">

    <TextView
        android:id="@+id/textView2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_gravity="center_vertical"
        android:layout_marginLeft="20dp"
        android:text="Create Account"
        android:textColor="#F6F6F6"
        android:textSize="36sp"
        android:textStyle="bold" />
</FrameLayout>

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

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:layout_alignParentStart="true"
        android:layout_alignParentTop="true"
        android:layout_alignParentEnd="true"
        android:layout_alignParentBottom="true"

        android:layout_marginLeft="35dp"
        android:layout_marginTop="10dp"
        android:layout_marginRight="35dp"
        android:layout_marginBottom="10dp"
        android:background="@drawable/blue_border_rounded_cornwe"
        android:orientation="vertical">

        <EditText
            android:id="@+id/rname1"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginLeft="10dp"
            android:layout_marginTop="20dp"
            android:layout_marginRight="10dp"
            android:background="@drawable/blue_border_rounded_cornwe"
            android:ems="10"
            android:gravity="center"
            android:hint="Name"
            android:inputType="textPersonName"
            android:padding="10dp" />

        <EditText
            android:id="@+id/remail1"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginLeft="10dp"
            android:layout_marginTop="10dp"
            android:layout_marginRight="10dp"
            android:background="@drawable/blue_border_rounded_cornwe"

            android:ems="10"
            android:gravity="center"
            android:hint="E-mail"
            android:inputType="textEmailAddress"
            android:padding="10dp" />
    
```

```

<EditText
    android:id="@+id/rpass1"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginLeft="10dp"
    android:layout_marginTop="10dp"
    android:layout_marginRight="10dp"
    android:background="@drawable/blue_border_rounded_cornwe"
    android:ems="10"
    android:gravity="center"
    android:hint="Password"
    android:inputType="textPassword"
    android:padding="10dp" />

<Button
    android:id="@+id/editrem"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginLeft="10dp"
    android:layout_marginTop="10dp"
    android:layout_marginRight="10dp"
    android:background="@drawable/blue_border_rounded_cornwe"
    android:text="Sign up"
    app:backgroundTint="#F01E3BDB"/>

<Button
    android:id="@+id/fourbtn"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginLeft="10dp"
    android:layout_marginTop="10dp"
    android:layout_marginRight="10dp"
    android:background="@drawable/blue_border_rounded_cornwe"
    android:text="Log in"
    android:textColor="#7A6464"
    app:backgroundTint="#F4F2F0" />

</LinearLayout>
</RelativeLayout>
</LinearLayout>
</RelativeLayout>

```

# REGISTRATION.JAVA

```

package com.example.netcampproject;

import androidx.annotation.NonNull;
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.Toast;

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

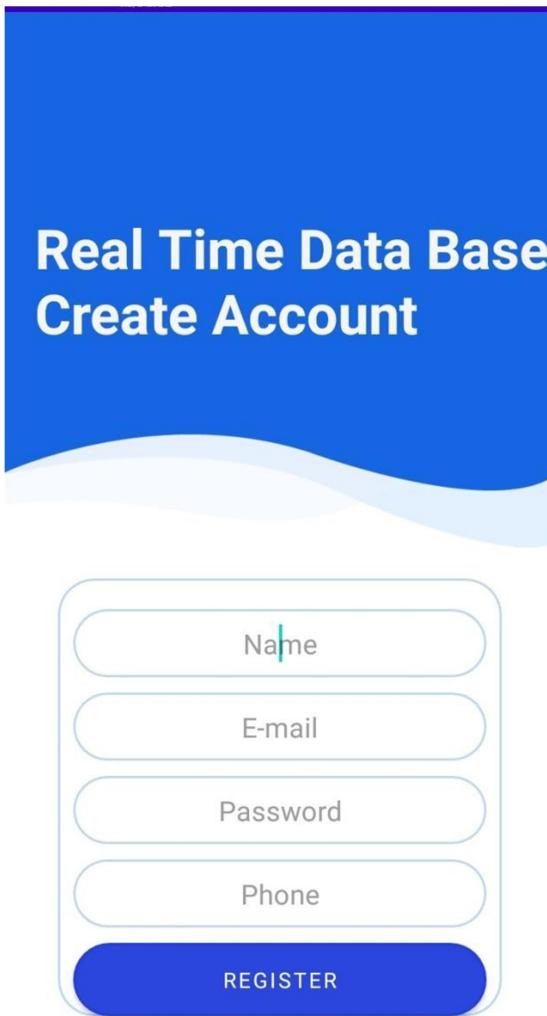
```

```

public class Registration extends AppCompatActivity {
    EditText e1,e2,e3;
    FirebaseAuth firebaseAuth;
    Button b1,b2;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_registration);
        getSupportActionBar().hide();
        b1=findViewById(R.id.editrem);
        b2=findViewById(R.id.fourbtn);
        firebaseAuth=FirebaseAuth.getInstance();
        e1=findViewById(R.id.rname1);
        e2=findViewById(R.id.remail1);
        e3=findViewById(R.id.rpass1);
        e3.setInputType(InputType.TYPE_CLASS_TEXT|InputType.TYPE_TEXT_VARIATION_PASSWORD);
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                String s1=e1.getText().toString();
                String s2=e2.getText().toString();
                String s3=e3.getText().toString();
                if(s1.isEmpty() || s2.isEmpty()){
                    Toast.makeText(Registration.this, "Plz fill the all fields",
                    Toast.LENGTH_SHORT).show();
                    return;
                }
                else {
                    if(s3.isEmpty()){
                        Toast.makeText(Registration.this, "Plz fill the all fields",
                        Toast.LENGTH_SHORT).show();
                        return;
                    }
                    else {
                        firebaseAuth.createUserWithEmailAndPassword(s2,s3).addOnCompleteListener(new
                        OnCompleteListener<AuthResult>() {
                            @Override
                            public void onComplete(@NonNull Task<AuthResult> task) {
                                if(task.isSuccessful()){
                                    Toast.makeText(Registration.this, "Database Updated",
                                    Toast.LENGTH_SHORT).show();
                                }
                                else {
                                    Toast.makeText(Registration.this, "Database is NOT updated",
                                    Toast.LENGTH_SHORT).show();
                                }
                            }
                        });
                    }
                }
            }
        });
        b2.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent i=new Intent(Registration.this,Login.class);
                startActivity(i);
                finish();
            }
        });
    }
}

```

# REAL-TIME-DATA.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="wrap_content"
    tools:context=".real_time_database_login">

    <ScrollView
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:layout_alignParentStart="true"
        android:layout_alignParentTop="true"
        android:layout_alignParentEnd="true"
        android:layout_alignParentBottom="true"
        android:layout_centerHorizontal="true">
        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:layout_alignParentStart="true"
            android:layout_alignParentTop="true"
            android:layout_alignParentEnd="true"
            android:layout_alignParentBottom="true">
```

```
        android:layout_alignParentEnd="true"
        android:layout_alignParentBottom="true"
        android:layout_centerHorizontal="true"
        android:orientation="vertical">
    <FrameLayout
        android:layout_width="match_parent"
        android:layout_height="350dp"
        android:background="@drawable/blue_bg">

        <TextView

            android:id="@+id/res"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_gravity="center_vertical"
            android:layout_marginStart="20dp"
            android:text="Real Time Data Base Create Account"
            android:textColor="#F6F6F6"
            android:textSize="36sp"
            android:textStyle="bold" />
    </FrameLayout>

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

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:layout_alignParentStart="true"
            android:layout_alignParentTop="true"
            android:layout_alignParentEnd="true"
            android:layout_alignParentBottom="true"

            android:layout_marginLeft="35dp"
            android:layout_marginTop="10dp"
            android:layout_marginRight="35dp"
            android:layout_marginBottom="10dp"
            android:background="@drawable/blue_border_rounded_cornwe"
            android:orientation="vertical">

            <EditText

                android:id="@+id/realname2"
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:layout_marginLeft="10dp"
                android:layout_marginTop="20dp"
                android:layout_marginRight="10dp"
                android:background="@drawable/blue_border_rounded_cornwe"
                android:ems="10"
                android:gravity="center"
                android:hint="Name"
                android:inputType="textPersonName"
                android:padding="10dp" />
            <EditText
                android:id="@+id/realemail2"
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:layout_marginLeft="10dp"
                android:layout_marginTop="10dp"
                android:layout_marginRight="10dp"
                android:background="@drawable/blue_border_rounded_cornwe"
                android:ems="10"
```

```
        android:gravity="center"
        android:hint="E-mail"
        android:inputType="textEmailAddress"
        android:padding="10dp" />
    <EditText
        android:id="@+id/realpass2"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginLeft="10dp"
        android:layout_marginTop="10dp"
        android:layout_marginRight="10dp"
        android:background="@drawable/blue_border_rounded_cornwe"
        android:ems="10"
        android:gravity="center"
        android:hint="Password"
        android:inputType="textPassword"
        android:padding="10dp" />
    <EditText
        android:id="@+id/realphone2"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginLeft="10dp"
        android:layout_marginTop="10dp"
        android:layout_marginRight="10dp"
        android:background="@drawable/blue_border_rounded_cornwe"
        android:ems="10"
        android:gravity="center"
        android:hint="Phone"
        android:inputType="phone"
        android:padding="10dp" />
    <Button
        android:id="@+id/realregis2"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginLeft="10dp"
        android:layout_marginTop="10dp"
        android:layout_marginRight="10dp"
        android:background="@drawable/blue_border_rounded_cornwe"
        android:text="Register"
        app:backgroundTint="#F01E3BDB" />
    </LinearLayout>
  </RelativeLayout>
</LinearLayout>
</ScrollView>
</RelativeLayout>
```

# USER.JAVA

```
package com.example.netcampproject;

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

    public user() {
    }

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

    public String getName() {
        return name;
    }

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

    public String getEmail() {
        return email;
    }

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

    public String getPassword() {
        return password;
    }

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

    public String getPhone() {
        return phone;
    }

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

# REAL-TIME-DATA.JAVA

```
package com.example.netcampproject;

import androidx.appcompat.app.AppCompatActivity;

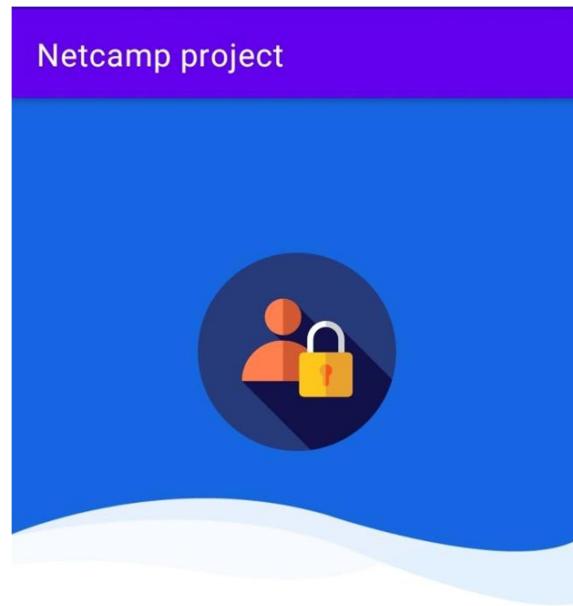
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

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

public class real_time_database_login extends AppCompatActivity {
    EditText e1,e2,e3,e4;
    Button b1;
    FirebaseDatabase firebaseDatabase;
    DatabaseReference databaseReference;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        getSupportActionBar().hide();
        setContentView(R.layout.activity_real_time_database_login);
        e1=findViewById(R.id.realname2);
        e2=findViewById(R.id.realemail2);
        e3=findViewById(R.id.realpass2);
        e4=findViewById(R.id.realphone2);
        b1=findViewById(R.id.realregis2);
        firebaseDatabase= FirebaseDatabase.getInstance();
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                databaseReference=firebaseDatabase.getReference("user");
                String s1=e1.getText().toString();
                String s2=e2.getText().toString();
                String s3=e3.getText().toString();
                String s4=e4.getText().toString();

                if(s4.length()!=10){
                    Toast.makeText(real_time_database_login.this, "Plz enter correct phone number", Toast.LENGTH_SHORT).show();
                }
                else {
                    user user=new user(s1,s2,s3,s4);
                    databaseReference.child(s2).setValue(user);
                    Toast.makeText(real_time_database_login.this, "data base save", Toast.LENGTH_SHORT).show();
                }
            }
        });
    }
}
```

# ACTIVITY-GOOGLE-SIGN-IN.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"
    tools:context=".Google_login">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:orientation="vertical"
        android:paddingBottom="20dp">

        <FrameLayout
            android:layout_width="match_parent"
            android:layout_height="320dp"
            android:background="@drawable/blue_bg">
```

```

<ImageView
    android:layout_width="125dp"
    android:layout_height="125dp"
    android:layout_gravity="center"
    android:src="@drawable/login" />
</FrameLayout>

<com.google.android.gms.common.SignInButton
    android:id="@+id/googlesignin"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginLeft="70dp"
    android:layout_marginTop="100dp"
    android:layout_marginRight="70dp"
    android:background="@drawable/blue_border_rounded_cornwe" />

</LinearLayout>
</RelativeLayout>

```

# GOOGLE-SIGN-IN.JAVA

```

package com.example.netcampproject;

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

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
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.OnCompleteListener;
import com.google.android.gms.tasks.Task;
import com.google.firebase.auth.AuthCredential;
import com.google.firebase.auth.AuthResult;
import com.google.firebase.auth.FirebaseAuth;
import com.google.firebase.auth.FirebaseUser;
import com.google.firebase.auth.GoogleAuthProvider;

public class Google_login extends AppCompatActivity {

    SignInButton signInButton;
    FirebaseAuth firebaseAuth;
    GoogleSignInClient signInClient;

    @Override
    protected void onActivityResult(int requestCode, int resultCode, @Nullable Intent data) {
        super.onActivityResult(requestCode, resultCode, data);
        if(requestCode==99){
            Task<GoogleSignInAccount>
            signInAccountTask=GoogleSignIn.getSignedInAccountFromIntent(data);
        }
    }
}

```

```

if(signInAccountTask.isSuccessful()){

    Toast.makeText(this, "Google sign in", Toast.LENGTH_SHORT).show();
    try {
        GoogleSignInAccount
googleSignInAccount=signInAccountTask.getResult(ApiException.class);
        if(googleSignInAccount!=null){
            AuthCredential authCredential=
GoogleAuthProvider.getCredential(googleSignInAccount.getIdToken(),null);

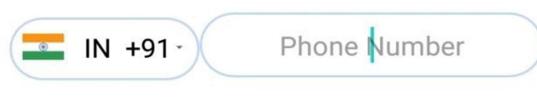
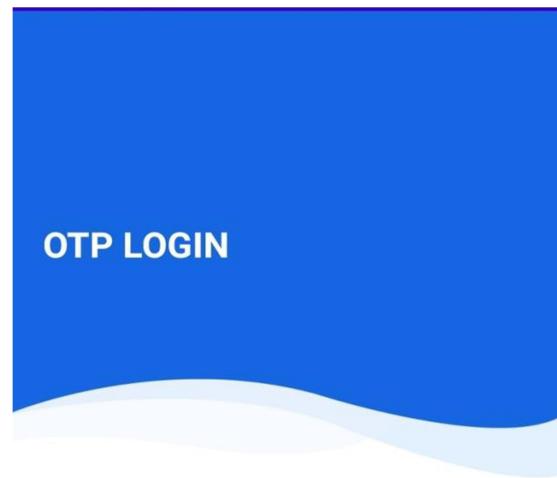
firebaseAuth.signInWithCredential(authCredential).addOnCompleteListener(new
OnCompleteListener<AuthResult>() {
        @Override
        public void onComplete(@NonNull Task<AuthResult> task) {
            if(task.isSuccessful()){
                Toast.makeText(Google_login.this, "Firebase updated",
Toast.LENGTH_SHORT).show();
                Intent j=new
Intent(Google_login.this,MainActivity2.class).setFlags(Intent.FLAG_ACTIVITY_NEW_TASK);
                startActivity(j);
                finish();
            }
            else {
                Toast.makeText(Google_login.this, "Firebase not updated",
Toast.LENGTH_SHORT).show();
            }
        }
    });
    }
    } catch (ApiException e) {
        e.printStackTrace();
    }
}

}

@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_google_login);
    signInButton=findViewById(R.id.googlesignin);
    firebaseAuth=FirebaseAuth.getInstance();
    GoogleSignInOptions googleSignInOptions=new
GoogleSignInOptions.Builder(GoogleSignInOptions.DEFAULT_SIGN_IN).requestIdToken("733630097629-
omq8da2tm7fb5hb6bji3urmfo89hkr23.apps.googleusercontent.com").build();
    signInClient=GoogleSignIn.getClient(Google_login.this,googleSignInOptions);
    signInButton.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            Intent i=signInClient.getSignInIntent();
            startActivityForResult(i,99);
        }
    });
    FirebaseUser firebaseUser=firebaseAuth.getCurrentUser();
    if(firebaseUser!=null){
        Toast.makeText(this, "Data base updated", Toast.LENGTH_SHORT).show();
        Intent j=new
Intent(Google_login.this,MainActivity2.class).setFlags(Intent.FLAG_ACTIVITY_NEW_TASK);
        startActivity(j);
        finish();
    }
}
}

```

# ACTIVITY-OTP.XML



Login with OTP

```
<?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"
    tools:context=".Otp">

    <FrameLayout
        android:layout_width="match_parent"
        android:layout_height="320dp"
        android:layout_alignParentStart="true"
        android:layout_alignParentTop="true"
        android:layout_marginStart="0dp"
        android:layout_marginTop="0dp"
        android:background="@drawable/blue_bg">

        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_gravity="center"
            android:fontFamily="sans-serif"
            android:text="OTP LOGIN"
            android:textColor="#fff"
            android:textSize="20sp" />
    
```

```
        android:layout_gravity="center_vertical"
        android:layout_marginLeft="20dp"
        android:text="OTP LOGIN "
        android:textColor="#FFFFFF"
        android:textSize="24sp"
        android:textStyle="bold" />
    </FrameLayout>

    <com.hbb20.CountryCodePicker
        android:id="@+id/ccpc"
        android:layout_width="124dp"
        android:layout_height="43dp"
        android:layout_alignParentStart="true"
        android:layout_alignParentBottom="true"
        android:layout_marginStart="8dp"
        android:layout_marginRight="5dp"
        android:layout_marginBottom="237dp"
        android:background="@drawable/blue_border_rounded_cornwe"/>

    <EditText
        android:id="@+id/editTextPhone"
        android:layout_width="224dp"
        android:layout_height="wrap_content"
        android:layout_alignParentEnd="true"
        android:layout_alignParentBottom="true"
        android:layout_marginLeft="5dp"
        android:layout_marginEnd="4dp"
        android:layout_marginBottom="239dp"
        android:background="@drawable/blue_border_rounded_cornwe"
        android:ems="10"
        android:gravity="center"
        android:hint="Phone Number"
        android:inputType="phone"
        android:padding="10dp" />

    <Button
        android:id="@+id/otpbutton"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentBottom="true"
        android:layout_centerHorizontal="true"
        android:layout_marginStart="140dp"
        android:layout_marginBottom="148dp"
        android:background="@drawable/blue_fill_rounded_color"
        android:foregroundGravity="center"
        android:gravity="center"
        android:text="OTP"
        android:textColor="#FFFFFF"
        app:backgroundTint="#F01E3BDB" />
</RelativeLayout>
```

# OTP.JAVA

```
package com.example.netcampproject;

import androidx.appcompat.app.AppCompatActivity;

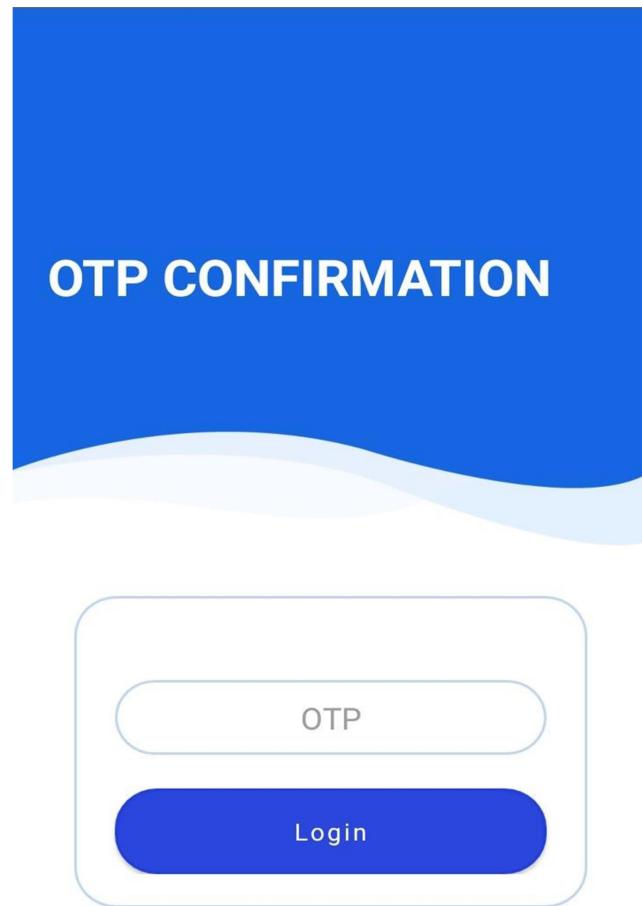
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

import com.hbb20.CountryCodePicker;

public class Otp extends AppCompatActivity {
    EditText e1;
    Button b1;
    CountryCodePicker ccp;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_otp);
        getSupportActionBar().hide();
        e1 = findViewById(R.id.editTextPhone);
        b1 = findViewById(R.id.otpbutton);
        ccp = findViewById(R.id.ccpc);
        ccp.registerCarrierNumberEditText(e1);
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                if (e1.getText().toString().length() != 10) {
                    Toast.makeText(Otp.this, "Please Check Your Number",
                    Toast.LENGTH_SHORT).show();
                } else {
                    Intent i = new Intent(Otp.this, Otp_confirm.class);
                    i.putExtra("mobile", ccp.getFullNumberWithPlus().trim());
                    startActivity(i);
                }
            }
        });
    }
}
```

# ACTIVITY-OTP-CONFIRM.XML



```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout 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:orientation="vertical"
    tools:context=".Otp_confirm">
    <FrameLayout
        android:layout_width="match_parent"
        android:layout_height="320dp"
        android:background="@drawable/blue_bg">
        <TextView
            android:id="@+id/textView3"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:gravity="center"
            android:text="OTP CONFIRMATION"
            android:textColor="#fff"
            android:textSize="20sp" />
    </FrameLayout>
    <Button
        android:id="@+id/button1"
        android:layout_width="match_parent"
        android:layout_height="40dp"
        android:layout_margin="10dp"
        android:background="#e0e0e0"
        android:gravity="center"
        android:text="OTP"
        android:textColor="#000"
        android:textSize="16sp" />
    <Button
        android:id="@+id/button2"
        android:layout_width="match_parent"
        android:layout_height="40dp"
        android:layout_margin="10dp"
        android:background="#0070C0"
        android:gravity="center"
        android:text="Login"
        android:textColor="#fff"
        android:textSize="16sp" />
</LinearLayout>
```

```
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_gravity="center_vertical"
        android:layout_marginLeft="20dp"
        android:text="OTP CONFIRMATION"
        android:textColor="#FFFFFF"
        android:textSize="30sp"
        android:textStyle="bold" />
    </FrameLayout>

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginLeft="35dp"
        android:layout_marginTop="30dp"
        android:layout_marginRight="35dp"
        android:background="@drawable/blue_border_rounded_cornwe"
        android:orientation="vertical"
        android:padding="20dp">

        <EditText
            android:id="@+id/ootp"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginLeft="3dp"
            android:layout_marginTop="30dp"
            android:layout_marginRight="3dp"
            android:background="@drawable/blue_border_rounded_cornwe"
            android:ems="10"
            android:gravity="center"
            android:hint="OTP"
            android:inputType="number"
            android:padding="10dp"
            android:textAlignment="center" />

        <Button
            android:id="@+id/ologin"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginLeft="3dp"
            android:layout_marginTop="20dp"
            android:layout_marginRight="3dp"
            android:background="@drawable/blue_border_rounded_cornwe"
            android:ems="10"

            android:hint=""
            android:inputType="textEmailAddress"
            android:padding="10dp"
            android:text="Login"
            android:textAlignment="center"
            android:textColor="#FFFFFF"
            app:backgroundTint="#F01E3BDB" />

    </LinearLayout>
</LinearLayout>
```

# OTP-CONFIRM.JAVA

```
package com.example.netcampproject;

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 java.util.concurrent.TimeUnit;

public class Otp_confirm extends AppCompatActivity {
    EditText e1;
    Button b1;
    FirebaseAuth firebaseAuth;
    String phone;
    String otp;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_otp_confirm);
        getSupportActionBar().hide();
        e1=findViewById(R.id.otp);
        b1=findViewById(R.id.getLogin);
        phone=getIntent().getStringExtra("mobile".toString());
        firebaseAuth=FirebaseAuth.getInstance();
        genotp();
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                if(e1.getText().toString().isEmpty()){
                    Toast.makeText(Otp_confirm.this, "Plz fill all the fields",
                    Toast.LENGTH_SHORT).show();
                }
                else {
                    if(e1.getText().toString().length()!=6){
                        Toast.makeText(Otp_confirm.this, "Give Valid otp",
                        Toast.LENGTH_SHORT).show();
                    }
                    else {
                        PhoneAuthCredential credential = PhoneAuthProvider.getCredential(otp,
                        e1.getText().toString());
                        signInwithPhoneAuthCredential(credential);
                    }
                }
            }
        });
    }
}
```

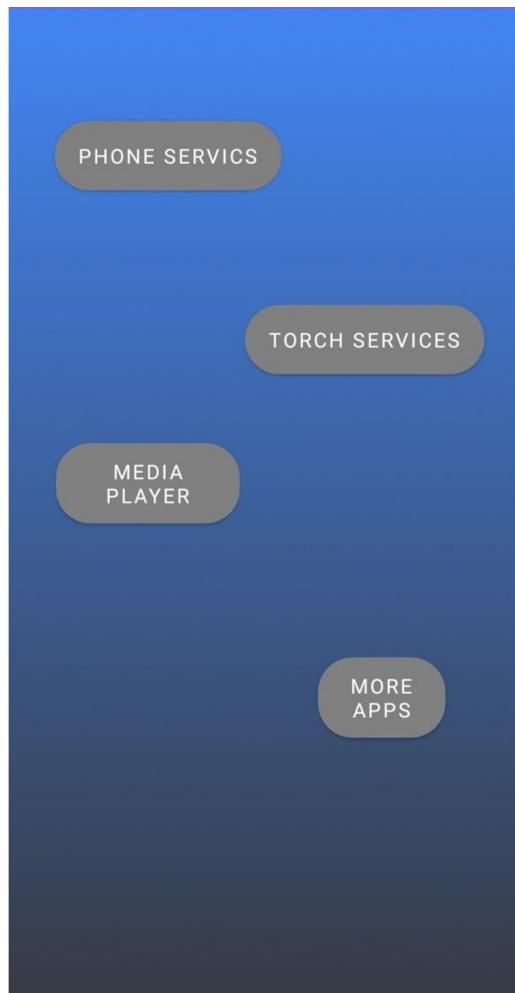
```
private void genotp(){
    PhoneAuthProvider.getInstance().verifyPhoneNumber(
        phone,
        60,
        TimeUnit.SECONDS, this
        , new PhoneAuthProvider.OnVerificationStateChangedCallbacks() {
            @Override
            public void onCodeSent(@NonNull String s, @NonNull
PhoneAuthProvider.ForceResendingToken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

            @Override
            public void onVerificationCompleted(@NonNull PhoneAuthCredential
phoneAuthCredential) {
                signInwithPhoneAuthCredential(phoneAuthCredential);
            }

            @Override
            public void onVerificationFailed(@NonNull FirebaseException e) {
                Toast.makeText(Otp_confirm.this, "Wrong OTP", Toast.LENGTH_SHORT).show();
            }
        }
    );
}

private void signInwithPhoneAuthCredential(PhoneAuthCredential credential){
    firebaseAuth.signInWithCredential(credential).addOnCompleteListener(new
OnCompleteListener<AuthResult>() {
        @Override
        public void onComplete(@NonNull Task<AuthResult> task) {
            if(task.isSuccessful()){
                Toast.makeText(Otp_confirm.this, "Database updated",
Toast.LENGTH_SHORT).show();
                Intent j=new Intent(Otp_confirm.this,MainActivity2.class);
                startActivity(j);
                finish();
            }
            else {
                Toast.makeText(Otp_confirm.this, "Failed", Toast.LENGTH_SHORT).show();
            }
        }
    });
}
}
```

# ACTIVITY MAIN2.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/gratiant"
    android:layout_height="match_parent"
    tools:context=".MainActivity2">

    <Button
        android:id="@+id/phone_services"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentTop="true"
        android:layout_marginStart="32dp"
        android:layout_marginTop="78dp"
        android:background="@drawable/blue_border_rounded_cornwe"
        android:text="Phone Services"
        app:backgroundTint="#808080" />

    <Button
        android:id="@+id/Tourchser"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentTop="true"
        android:layout_marginStart="32dp"
        android:layout_marginTop="78dp"
        android:background="@drawable/blue_border_rounded_cornwe"
        android:text="Torch Services"
        app:backgroundTint="#808080" />

    <Button
        android:id="@+id/media_player"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentTop="true"
        android:layout_marginStart="32dp"
        android:layout_marginTop="78dp"
        android:background="@drawable/blue_border_rounded_cornwe"
        android:text="Media Player"
        app:backgroundTint="#808080" />

    <Button
        android:id="@+id/more_apps"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentTop="true"
        android:layout_marginStart="32dp"
        android:layout_marginTop="78dp"
        android:background="@drawable/blue_border_rounded_cornwe"
        android:text="More Apps"
        app:backgroundTint="#808080" />

```

```
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_alignParentEnd="true"
        android:layout_marginTop="205dp"
        android:layout_marginEnd="31dp"
        android:background="@drawable/blue_border_rounded_cornwe"
        android:text="Torch Services"
        app:backgroundTint="#808080" />

    <Button
        android:id="@+id/more"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentEnd="true"
        android:layout_alignParentBottom="true"
        android:layout_marginStart="214dp"
        android:layout_marginEnd="58dp"
        android:layout_marginBottom="180dp"
        android:background="@drawable/blue_border_rounded_cornwe"
        android:text="More Apps"
        app:backgroundTint="#808080" />

    <Button
        android:id="@+id/media_player"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentEnd="true"
        android:layout_alignParentBottom="true"
        android:layout_marginStart="33dp"
        android:layout_marginEnd="200dp"
        android:layout_marginBottom="328dp"
        android:background="@drawable/blue_border_rounded_cornwe"
        android:text="Media Player"
        app:backgroundTint="#808080" />

</RelativeLayout>
```

# MAIN ACTIVITY 2.JAVA

```
package com.example.netcampproject;

import androidx.appcompat.app.AppCompatActivity;

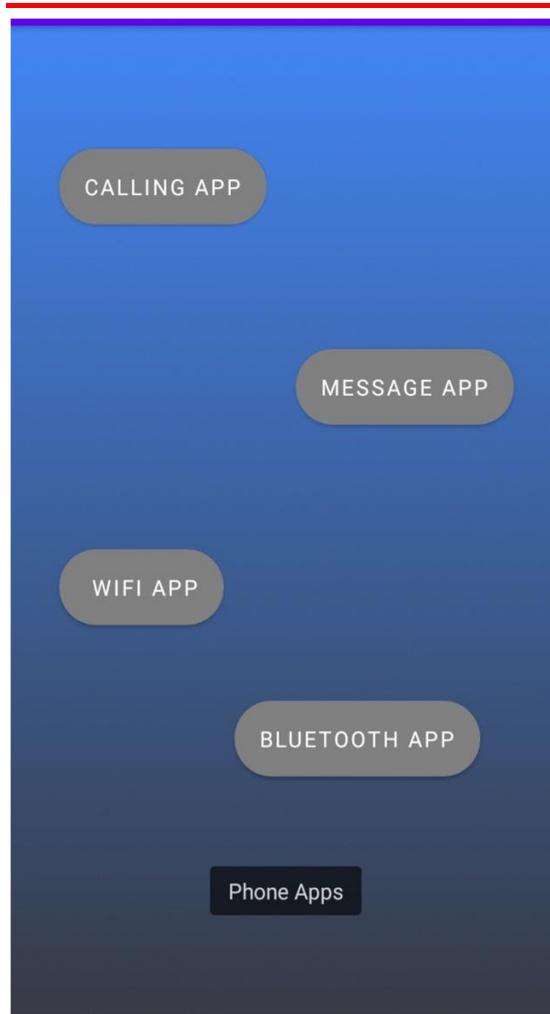
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.Toast;

public class MainActivity2 extends AppCompatActivity {
    Button b1,b2,b3,b4;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main2);
        getSupportActionBar().hide();
        b1=findViewById(R.id.phone_services);
        b2=findViewById(R.id.Tourchser);

        b3=findViewById(R.id.more);
        b4=findViewById(R.id.media_player);
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Toast.makeText(MainActivity2.this, "Phone Apps", Toast.LENGTH_SHORT).show();
                startActivity(new Intent(MainActivity2.this,Phone_services.class));
            }
        });
        b2.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Toast.makeText(MainActivity2.this, "Torch App", Toast.LENGTH_SHORT).show();
                startActivity(new Intent(MainActivity2.this,MainActivity3.class));
            }
        });
        b3.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Toast.makeText(MainActivity2.this, "Media Player", Toast.LENGTH_SHORT).show();
                startActivity(new Intent(MainActivity2.this, MainActivity4.class));
            }
        });
        b4.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Toast.makeText(MainActivity2.this, "Media Player", Toast.LENGTH_SHORT).show();
                startActivity(new Intent(MainActivity2.this, Media_player.class));
            }
        });
    }
}
```

# ACTIVITY-PHONE-SERVICES .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/gratiant"
    tools:context=".Phone_services">

    <Button
        android:id="@+id/Ca"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentTop="true"
        android:layout_marginStart="32dp"
        android:layout_marginTop="78dp"
        android:background="@drawable/blue_border_rounded_cornwe"
        android:text="Calling App"
        app:backgroundTint="#808080" />
```

```

<Button
    android:id="@+id/msg"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentTop="true"
    android:layout_alignParentEnd="true"
    android:layout_marginTop="205dp"
    android:layout_marginEnd="31dp"
    android:background="@drawable/blue_border_rounded_cornwe"
    android:text="Message App"
    app:backgroundTint="#808080" />

<Button
    android:id="@+id/wifibutton"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_alignParentTop="true"
    android:layout_centerVertical="true"
    android:layout_marginStart="32dp"
    android:layout_marginTop="332dp"
    android:background="@drawable/blue_border_rounded_cornwe"
    android:text=" WIFI APP"
    app:backgroundTint="#808080" />

<Button
    android:id="@+id/bluebutton"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentEnd="true"
    android:layout_alignParentBottom="true"
    android:layout_marginEnd="53dp"
    android:layout_marginBottom="152dp"
    android:background="@drawable/blue_border_rounded_cornwe"
    android:text="BLUETOOTH APP"
    app:backgroundTint="#808080" />
</RelativeLayout>

```

## PHONE-SERVICES.JAVA

```

package com.example.netcampproject;

import androidx.appcompat.app.AppCompatActivity;

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

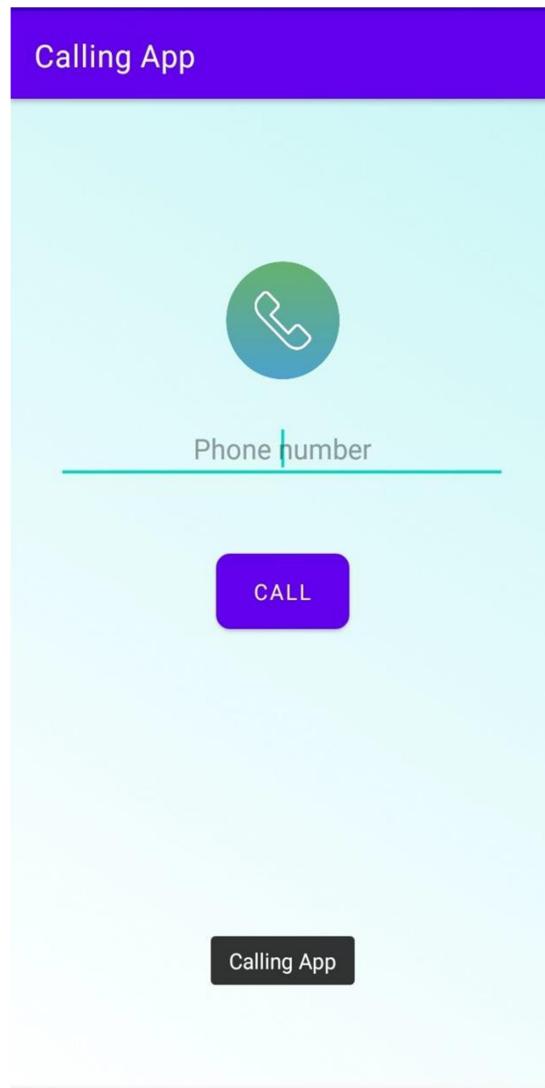
public class Phone_services extends AppCompatActivity {

    Button b1,b2,b3,b4;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_phone_services);
        b1=findViewById(R.id.ca);
        b2=findViewById(R.id.msg);

```

```
b3=findViewById(R.id.wifibutton);
b4=findViewById(R.id.bluebutton);
b1.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        Toast.makeText(Phone_services.this, "Calling App", Toast.LENGTH_SHORT).show();
        startActivity(new Intent(Phone_services.this,Call.class));
    }
});
b2.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        Toast.makeText(Phone_services.this, "Message App" , Toast.LENGTH_SHORT).show();
        startActivity(new Intent(Phone_services.this,Sms_App.class));
    }
});
b3.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        Toast.makeText(Phone_services.this, "WIFI APP", Toast.LENGTH_SHORT).show();
        startActivity(new Intent(Phone_services.this,Wifi_App.class));
    }
});
b4.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        Toast.makeText(Phone_services.this, "Bluetooth App", Toast.LENGTH_SHORT).show();
        startActivity(new Intent(Phone_services.this,Bluetooth_app.class));
    }
});
}
}
```

# ACTIVITY-CALL.XML



```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@drawable/gradient1"
    tools:context=".Call">

    <ImageView
        android:id="@+id/imageView3"
        android:layout_width="75dp"
        android:layout_height="75dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"

        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.187"
```

```

        app:srcCompat="@drawable/call" />

<EditText
    android:id="@+id/pcall"
    android:layout_width="298dp"
    android:layout_height="45dp"
    android:ems="10"
    android:gravity="center"
    android:hint="Phone number"
    android:inputType="phone"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.495"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.344" />

<Button
    android:id="@+id/call"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:background="@drawable/btn_1_gradiant"
    android:backgroundTint="#9E2C2C"
    android:text="Call"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.499" />
</androidx.constraintlayout.widget.ConstraintLayout>

```

## CALL.JAVA

```

package com.example.netcampproject;

import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;
import androidx.core.app.ActivityCompat;
import androidx.core.content.ContextCompat;

import android.Manifest;
import android.content.Intent;
import android.content.pm.PackageManager;
import android.net.Uri;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

public class Call extends AppCompatActivity {
    private static final int REQUEST_CALL=1;
    private EditText e1;
    Button b1;

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

```

```
getSupportActionBar().setTitle("Calling App");

e1=findViewById(R.id.pcall);
b1=findViewById(R.id.call);

b1.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        makecall();
    }
});
}

private void makecall(){
    String number=e1.getText().toString();
    if(number.trim().length()>0){

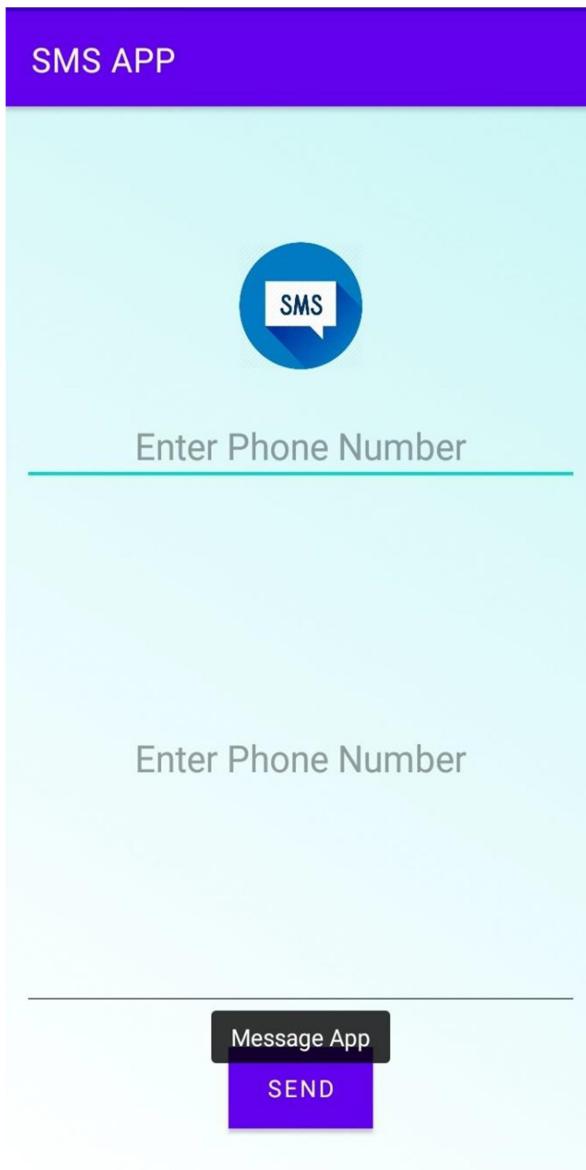
        if(ContextCompat.checkSelfPermission(Call.this, Manifest.permission.CALL_PHONE)!=
PackageManager.PERMISSION_GRANTED)
        {
            ActivityCompat.requestPermissions(Call.this,new String[]
{Manifest.permission.CALL_PHONE},REQUEST_CALL);

        }
        else {
            String dial="tel:"+number;
            startActivity(new Intent(Intent.ACTION_CALL, Uri.parse(dial)));
        }
    }
}

@Override
public void onRequestPermissionsResult(int requestCode, @NonNull String[] permissions,
@NonNull int[] grantResults) {
    super.onRequestPermissionsResult(requestCode, permissions, grantResults);

    if(requestCode==REQUEST_CALL){
        if(grantResults.length>0 && grantResults[0]==PackageManager.PERMISSION_GRANTED){
            makecall();
        }
        else {
            Toast.makeText(this, "Permission denied", Toast.LENGTH_SHORT).show();
        }
    }
}
}
```

# ACTIVITY-SMS.XML



```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout 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:orientation="vertical"
    android:background="@drawable/gradient1"
    tools:context=".Sms_App">

    <ImageView
        android:id="@+id/imageView2"
        android:layout_width="75dp"
        android:layout_height="75dp"
        android:layout_gravity="center"
        android:layout_marginTop="80dp"
        app:srcCompat="@drawable/sms" />
```

```
<EditText
    android:id="@+id/txtpage"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_gravity="center"
    android:layout_marginLeft="10dp"
    android:layout_marginTop="20dp"
    android:layout_marginRight="10dp"
    android:gravity="center"
    android:hint="Enter Phone Number"
    android:padding="10dp"
    android:textSize="22sp" />

<EditText
    android:id="@+id/txtnum"
    android:layout_width="match_parent"
    android:layout_height="300dp"
    android:layout_gravity="center"
    android:layout_marginLeft="10dp"
    android:layout_marginTop="10dp"
    android:layout_marginRight="10dp"
    android:gravity="center"
    android:hint="Enter Phone Number"
    android:textSize="22sp" />

<Button
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="center"
    android:layout_marginTop="20dp"
    android:background="#0288D1"
    android:backgroundTint="#0288D1"
    android:gravity="center"
    android:onClick="btn_send"
    android:text="Send" />

</LinearLayout>
```

# SMS.JAVA

```
package com.example.netcampproject;

import androidx.appcompat.app.AppCompatActivity;
import androidx.core.app.ActivityCompat;
import androidx.core.content.ContextCompat;

import android.Manifest;
import android.content.pm.PackageManager;
import android.os.Bundle;
import android.telephony.SmsManager;
import android.view.View;
import android.widget.EditText;
import android.widget.Toast;

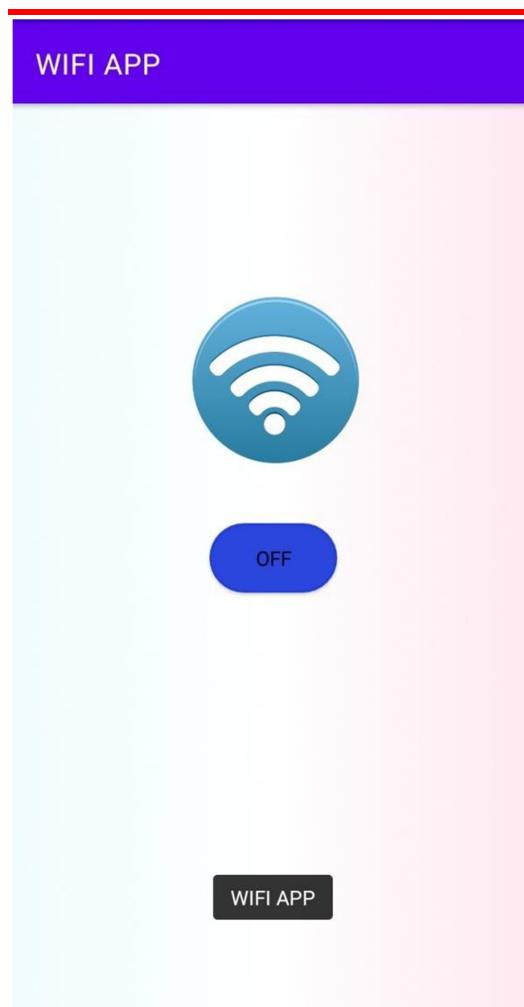
public class Sms_App extends AppCompatActivity {
    EditText e1,e2;

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

        e1=findViewById(R.id.txtphone);
        e2=findViewById(R.id.txtmsg);
        getSupportActionBar().setTitle("SMS APP");

    }
    public void btn_send(View view){
        int permissioncheck= ContextCompat.checkSelfPermission(this,
Manifest.permission.SEND_SMS);
        if(permissioncheck== PackageManager.PERMISSION_GRANTED){
            MyMessage();
        }
        else {
            ActivityCompat.requestPermissions(this,new String[]{Manifest.permission.SEND_SMS},0);
        }
    }
    public void MyMessage(){
        String phone=e1.getText().toString().trim();
        String msg=e2.getText().toString();
        if(!phone.equals("") || !msg.equals("")) {
            SmsManager smsManager = SmsManager.getDefault();
            smsManager.sendTextMessage(phone, null, msg, null, null);
            Toast.makeText(this, "Message sent", Toast.LENGTH_SHORT).show();
        }
        else {
            Toast.makeText(this, "Plz fill the fields", Toast.LENGTH_SHORT).show();
        }
    }
}
```

# ACTIVITY-WIFI.XML



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

    <ImageView
        android:id="@+id/imageView4"
        android:layout_width="115dp"
        android:layout_height="115dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.506"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.26"
        app:srcCompat="@drawable/wifi" />
```

```
<ToggleButton
    android:id="@+id/wifibtn"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:background="@drawable/blue_border_rounded_cornwe"
    android:backgroundTint="#F01E3BDB"
    android:text="ToggleButton"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

# WIFI-APP.JAVA

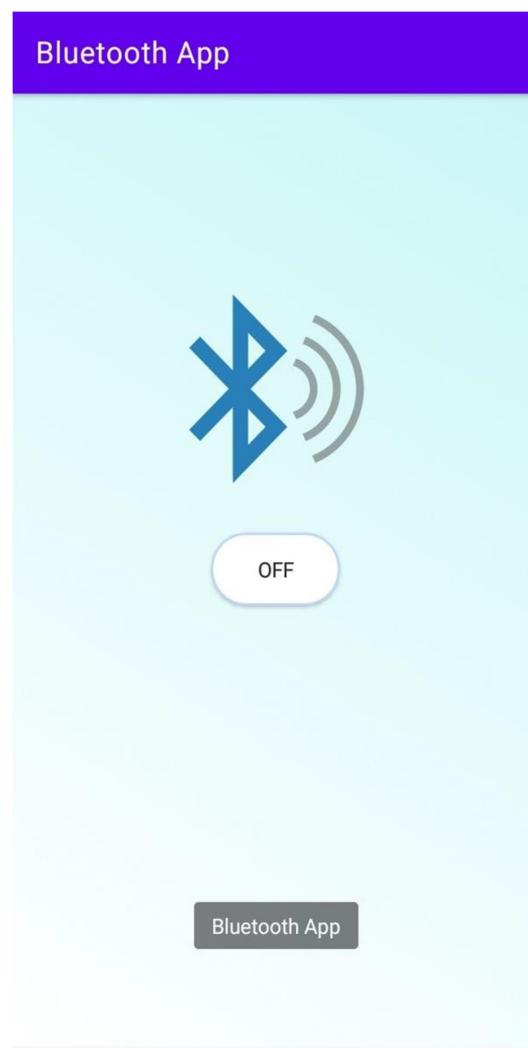
```
package com.example.netcampproject;
import androidx.appcompat.app.AppCompatActivity;

import android.net.wifi.WifiManager;
import android.os.Bundle;
import android.view.View;
import android.widget.ToggleButton;

public class Wifi_App extends AppCompatActivity {
    ToggleButton b1;
    WifiManager wifiManager;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_wifi_app);
        b1=findViewById(R.id.wifibtn);
        getSupportActionBar().setTitle("WIFI APP");
        wifiManager=(WifiManager)getApplicationContext().getSystemService(WIFI_SERVICE);
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                if(b1.isChecked()==true){
                    wifiManager.setWifiEnabled(true);
                }
                else {
                    wifiManager.setWifiEnabled(false);
                }
            }
        });
    }
}
```

# ACTIVITY-BLUETOOTH-APP.XML



```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:background="@drawable/gradient1"
    android:layout_height="match_parent"
    tools:context=".Bluetooth_app">

    <ImageView
        android:id="@+id/imageView5"
        android:layout_width="125dp"
        android:layout_height="125dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.262"
        app:srcCompat="@drawable/bluetooth" />
```

```
<ToggleButton
    android:id="@+id/bluetoothbtn"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:background="@drawable/blue_border_rounded_cornwe"
    android:text="ToggleButton"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.498"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.499" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

## BLUETOOTH-APP.JAVA

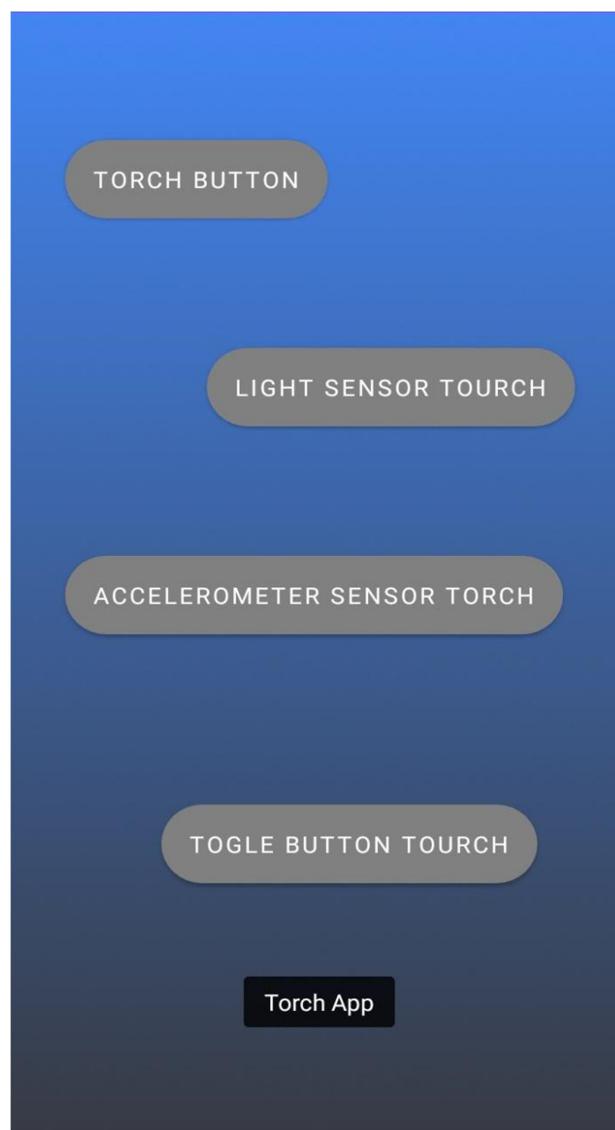
```
package com.example.netcampproject;

import androidx.appcompat.app.AppCompatActivity;

import android.bluetooth.BluetoothAdapter;
import android.bluetooth.BluetoothManager;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.ToggleButton;

public class Bluetooth_app extends AppCompatActivity {
    BluetoothManager bluetoothManager;
    ToggleButton b1;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_bluetooth_app);
        bluetoothManager=(BluetoothManager) getSystemService(BLUETOOTH_SERVICE);
        getSupportActionBar().setTitle("Bluetooth App");
        b1=findViewById(R.id.bluetoothbtn);
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                if(b1.isChecked()==true){
                    bluetoothManager.getAdapter().enable();
                }
                else {
                    bluetoothManager.getAdapter().disable();
                }
            }
        });
    }
}
```

# ACTIVITY-MAIN3.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/gratiant"
    tools:context=".MainActivity3">

    <Button
        android:id="@+id/btntorch"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentTop="true"
        android:layout_marginStart="32dp"
        android:layout_marginTop="78dp"
        android:background="@drawable/blue_border_rounded_cornwe"
        android:text="Torch Button"
        android:radius="15dp" />

    <Button
        android:id="@+id/lightSensor"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentTop="true"
        android:layout_marginStart="32dp"
        android:layout_marginTop="10dp"
        android:background="@drawable/blue_border_rounded_cornwe"
        android:text="LIGHT SENSOR TOURCH"
        android:radius="15dp" />

    <Button
        android:id="@+id/accelerometer"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentTop="true"
        android:layout_marginStart="32dp"
        android:layout_marginTop="10dp"
        android:background="@drawable/blue_border_rounded_cornwe"
        android:text="ACCELEROMETER SENSOR TORCH"
        android:radius="15dp" />

    <Button
        android:id="@+id/toggle"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentTop="true"
        android:layout_marginStart="32dp"
        android:layout_marginTop="10dp"
        android:background="@drawable/blue_border_rounded_cornwe"
        android:text="TOGLE BUTTON TOURCH"
        android:radius="15dp" />

    <Button
        android:id="@+id/torchApp"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentTop="true"
        android:layout_marginStart="32dp"
        android:layout_marginTop="10dp"
        android:background="@drawable/black_rect"
        android:text="Torch App"
        android:radius="15dp" />

```

```
    app:backgroundTint="#808080" />

<Button
    android:id="@+id/ltorch"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentTop="true"
    android:layout_alignParentEnd="true"
    android:layout_marginTop="205dp"
    android:layout_marginEnd="31dp"
    android:background="@drawable/blue_border_rounded_cornwe"
    android:text="Light Sensor Tource"
    app:backgroundTint="#808080" />

<Button
    android:id="@+id/Aceler"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentStart="true"
    android:layout_alignParentTop="true"
    android:layout_centerVertical="true"
    android:layout_marginStart="32dp"
    android:layout_marginTop="332dp"
    android:background="@drawable/blue_border_rounded_cornwe"
    android:text="Accelerometer Sensor Torch"
    app:backgroundTint="#808080" />

<Button
    android:id="@+id/vibrat"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentEnd="true"
    android:layout_alignParentBottom="true"
    android:layout_marginEnd="53dp"
    android:layout_marginBottom="152dp"
    android:background="@drawable/blue_border_rounded_cornwe"
    android:text="Togle button Tource"
    app:backgroundTint="#808080" />

</RelativeLayout>
```

# MAIN-ACTIVITY3.JAVA

```
package com.example.netcampproject;

import androidx.appcompat.app.AppCompatActivity;

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

public class MainActivity3 extends AppCompatActivity {

    Button b1,b2,b3,b4;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main3);
        getSupportActionBar().hide();

        b1=findViewById(R.id.btntorch);
        b2=findViewById(R.id.ltorch);
        b3=findViewById(R.id.Aceler);
        b4=findViewById(R.id.vibrat);

        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Toast.makeText(MainActivity3.this, "Torch App", Toast.LENGTH_SHORT).show();
                startActivity(new Intent(MainActivity3.this,Button_tourch.class));
            }
        });

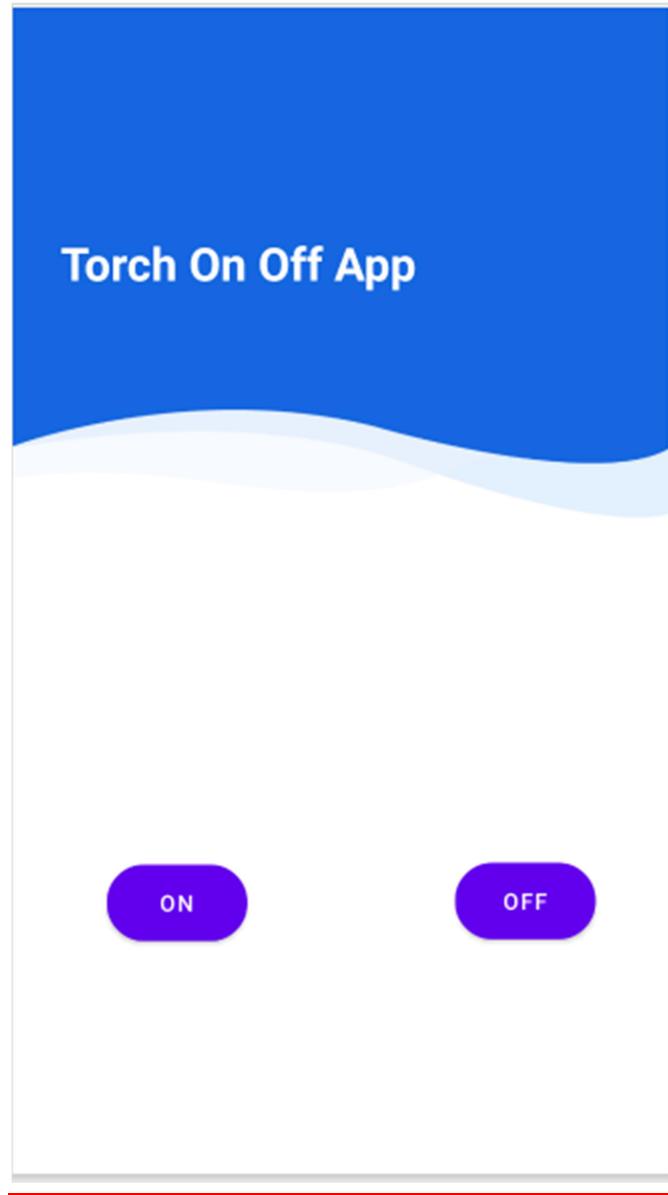
        b2.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Toast.makeText(MainActivity3.this, "Torch App", Toast.LENGTH_SHORT).show();
                startActivity(new Intent(MainActivity3.this,Torch_Light_sensor.class));

            }
        });

        b3.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Toast.makeText(MainActivity3.this, "Torch App", Toast.LENGTH_SHORT).show();
                startActivity(new Intent(MainActivity3.this,Torch_Acelerometer.class));
            }
        });

        b4.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Toast.makeText(MainActivity3.this, "Torch App", Toast.LENGTH_SHORT).show();
                startActivity(new Intent(MainActivity3.this,Togle_Torch.class));
            }
        });
    }
}
```

# 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:layout_width="match_parent"
    android:layout_height="match_parent"

    tools:context=".Button_tourch">

    <FrameLayout
        android:layout_width="match_parent"
        android:layout_height="320dp"
        android:background="@drawable/blue_bg">

        <TextView
            android:layout_width="wrap_content"
```

```
        android:layout_height="wrap_content"
        android:layout_gravity="center_vertical"
        android:layout_marginLeft="20dp"
        android:foregroundGravity="bottom"
        android:padding="10dp"
        android:text="Torch On Off App"
        android:textColor="@color/white"
        android:textSize="29dp"
        android:textStyle="bold" />
    </FrameLayout>

    <Button
        android:id="@+id/Torchonbtn"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentBottom="true"
        android:layout_marginStart="59dp"
        android:layout_marginBottom="146dp"
        android:background="@drawable/blue_border_rounded_cornwe"
        android:backgroundTint="#F01E3BDB"
        android:text="ON"
        android:textColor="@color/white" />

    <Button
        android:id="@+id/torchoffbtn"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentEnd="true"
        android:layout_alignParentBottom="true"
        android:layout_centerHorizontal="true"
        android:layout_marginEnd="46dp"
        android:layout_marginBottom="147dp"
        android:background="@drawable/blue_border_rounded_cornwe"
        android:backgroundTint="#F01E3BDB"
        android:gravity="center"
        android:text="OFF"
        android:textColor="@color/white" />

</RelativeLayout>
```

# BUTTON-TORCH.JAVA

```
package com.example.netcampproject;

import androidx.appcompat.app.AppCompatActivity;

import android.hardware.camera2.CameraAccessException;
import android.hardware.camera2.CameraManager;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;

public class Button_tourch extends AppCompatActivity {
    Button b1,b2;
    CameraManager cameraManager;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_button_tourch);
        getSupportActionBar().hide();
        b1=findViewById(R.id.Torchonbtn);
        b2=findViewById(R.id.torchoffbtn);
        cameraManager=(CameraManager) getSystemService(CAMERA_SERVICE);

        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                try {
                    String s=cameraManager.getCameraIdList()[0];
                    cameraManager.setTorchMode(s,true);
                }
                catch (CameraAccessException e){

                }
            }
        });
        b2.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                try {
                    String s=cameraManager.getCameraIdList()[0];
                    cameraManager.setTorchMode(s,false);
                }
                catch (CameraAccessException e){

                }
            }
        });
    }
}
```

# ACTIVITY-TORCH-LIGHT-SENSOR.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/u"
    tools:context=".Torch_Light_sensor">
    <androidx.appcompat.widget.Toolbar
        android:id="@+id/toolbar"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:background="#0288D1"
        android:minHeight="?attr/actionBarSize"
        android:theme="?attr/actionBarTheme"
        app:subtitleTextColor="#FFFFFF"
        app:title="Torch App"
        app:titleMarginStart="10dp"
        app:titleTextColor="@color/black" />
</RelativeLayout>
```

# TORCH-LIGHT-SENSOR.JAVA

```
package com.example.netcampproject;

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

import android.hardware.Sensor;
import android.hardware.SensorEvent;
import android.hardware.SensorEventListener;
import android.hardware.SensorManager;
import android.hardware.camera2.CameraManager;
import android.os.Build;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.ToggleButton;

public class Torch_Light_sensor extends AppCompatActivity implements SensorEventListener{
    CameraManager cameraManager;
    SensorManager sensorManager;
    Sensor sensor;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        getSupportActionBar().hide();
        setContentView(R.layout.activity_torch_light_sensor);
        sensorManager = (SensorManager) getSystemService(SENSOR_SERVICE);
        sensor = sensorManager.getDefaultSensor(Sensor.TYPE_LIGHT);
        sensorManager.registerListener(this,sensor,SensorManager.SENSOR_DELAY_NORMAL);
        cameraManager=(CameraManager) getSystemService(CAMERA_SERVICE);
    }
    @Override
    public void onSensorChanged(SensorEvent event) {

        if(event.values[0]>1){
            try {
                String s=cameraManager.getCameraIdList()[0];
                cameraManager.setTorchMode(s, true);
            } catch (Exception e){

            }
        }
        else {
            try {
                String s=cameraManager.getCameraIdList()[0];
                cameraManager.setTorchMode(s, false);

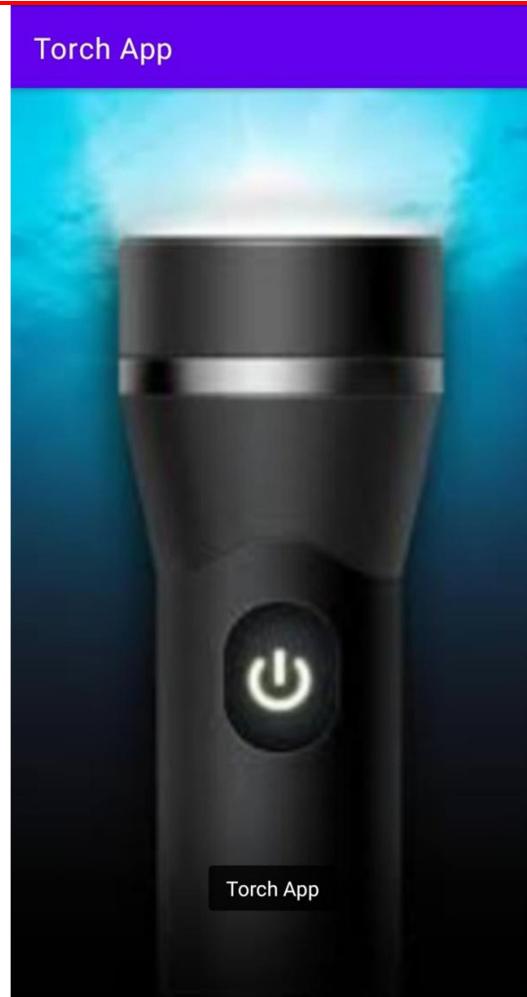
            } catch (Exception e) {

            }
        }
    }

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

    }
}
```

## ACTIVITY-TORCH-ACCELEROMETER.XML



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

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

# TORCH-ACCELEROMETER.JAVA

```
package com.example.netcampproject;

import androidx.appcompat.app.AppCompatActivity;

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.Bundle;

public class Torch_Acelerometer extends AppCompatActivity implements SensorEventListener {

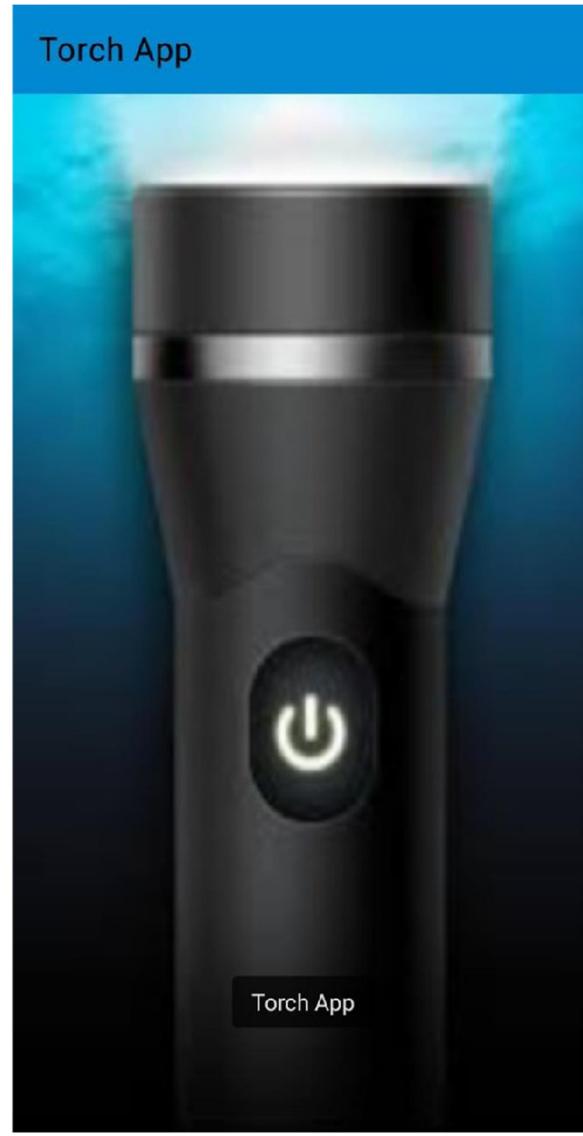
    SensorManager sensorManager;
    Sensor sensor;
    CameraManager cameraManager;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_torch_acelerometer);
        getSupportActionBar().setTitle("Torch App ");
        sensorManager=(SensorManager) getSystemService(SENSOR_SERVICE);
        sensor=sensorManager.getDefaultSensor(Sensor.TYPE_ACCELEROMETER);
        sensorManager.registerListener(this,sensor,SensorManager.SENSOR_DELAY_NORMAL);
        cameraManager=(CameraManager) getSystemService(CAMERA_SERVICE);
    }

    @Override
    public void onSensorChanged(SensorEvent event) {
        float x=event.values[0];
        float y=event.values[1];
        float z=event.values[2];
        int x1=(int)x;
        int y1=(int)y;
        int z1=(int)z;
        if(x1!=0){
            String s= null;
            try {
                String s2 = cameraManager.getCameraIdList()[0];
                cameraManager.setTorchMode(s2,true);
            } catch (CameraAccessException e) {
                e.printStackTrace();
            }
        }
        else {
            try {
                String s1 = cameraManager.getCameraIdList()[0];
                cameraManager.setTorchMode(s1,false);
            } catch (CameraAccessException e) {
                e.printStackTrace();
            }
        }
    }

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

## ACTIVITY-TOGGLE-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:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@drawable/u"
    tools:context=".Togle_Torch">

    <androidx.appcompat.widget.Toolbar
        android:id="@+id/toolbar"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:background="#0288D1"
        android:minHeight="?attr/actionBarSize"
        android:theme="?attr/actionBarTheme"
        app:subtitleTextColor="#FFFFFF"
        app:title="Torch App"
        app:titleMarginStart="10dp">
```

```

        app:titleTextColor="@color/black" />

<ToggleButton
    android:id="@+id/toggleButton"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentEnd="true"
    android:layout_alignParentBottom="true"
    android:layout_centerHorizontal="true"
    android:layout_marginEnd="160dp"
    android:layout_marginBottom="214dp"
    android:background="@drawable/flag_transparent"
    android:checked="false"
    android:textColor="#00FFFFFF" />

</RelativeLayout>

```

## TOGGLE-TORCH.JAVA

```

package com.example.netcampproject;

import androidx.appcompat.app.AppCompatActivity;

import android.hardware.camera2.CameraManager;
import android.os.Bundle;
import android.view.View;
import android.widget.ToggleButton;

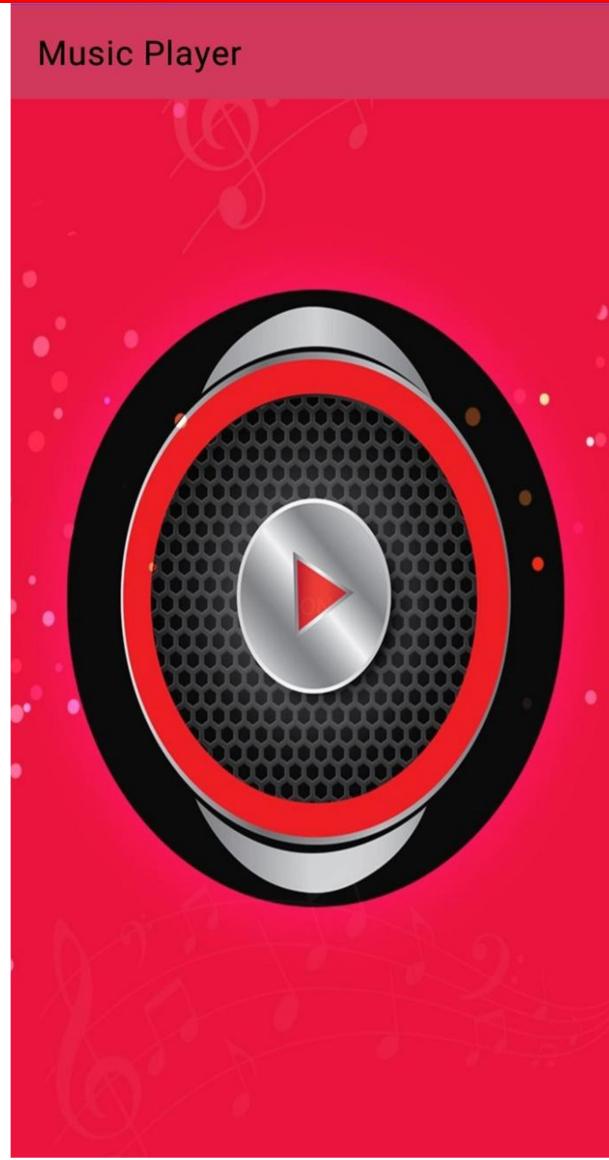
public class Togle_Torch extends AppCompatActivity {
    CameraManager cameraManager;
    ToggleButton b1;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_togle_torch);
        getSupportActionBar().hide();
        cameraManager=(CameraManager) getSystemService(CAMERA_SERVICE);
        b1=findViewById(R.id.toggleButton);
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                if(b1.isChecked()==true){
                    try {
                        String s=cameraManager.getCameraIdList()[0];
                        cameraManager.setTorchMode(s, true);
                    }
                    catch (Exception e){

                    }
                }
                else {
                    try {
                        String s=cameraManager.getCameraIdList()[0];
                        cameraManager.setTorchMode(s, false);
                    }
                    catch (Exception e){

                    }
                }
            }
        });
    }
}

```

# ACTIVITY-MEDIA-PLAYER.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:layout_height="match_parent"
    android:background="@drawable/media"
    tools:context=".Media_player">

    <androidx.appcompat.widget.Toolbar
        android:id="@+id/toolbar"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:background="@color/dot_dark_screen1"
        android:minHeight="?attr/actionBarSize"
        android:theme="?attr/actionBarTheme"
        app:subtitleTextColor="@color/dot_dark_screen1"
        app:title="Music Player"
        app:titleMarginStart="10dp"
        app:titleTextColor="@color/black" />
```

```

<ToggleButton
    android:id="@+id/toggleButton2"
    android:layout_width="wrap_content"
    android:layout_height="92dp"
    android:layout_alignParentBottom="true"
    android:layout_centerHorizontal="true"
    android:layout_marginBottom="283dp"
    android:background="@drawable/flag_transparent"
    android:text="ToggleButton"
    android:textColor="#000000"
    android:textIsSelectable="false" />

</RelativeLayout>

```

## MEDIA-PLAYER.JAVA

```

package com.example.netcampproject;

import androidx.appcompat.app.AppCompatActivity;

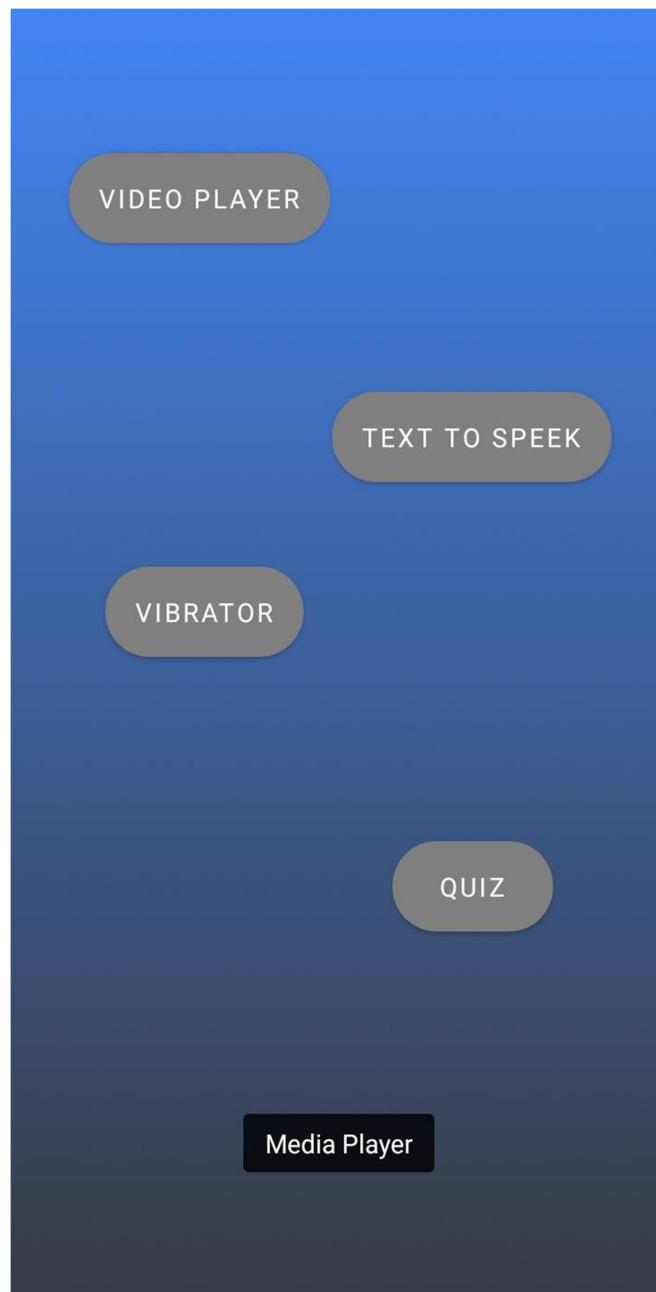
import android.media.MediaPlayer;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.ToggleButton;

public class Media_player extends AppCompatActivity {
    MediaPlayer mediaPlayer;
    ToggleButton b1;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_media_player);
        b1=findViewById(R.id.toggleButton2);
        getSupportActionBar().hide();
        mediaPlayer=MediaPlayer.create(this,R.raw.r);
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                if(b1.isChecked()==true) {
                    mediaPlayer.start();
                }
                else {
                    mediaPlayer.pause();
                }
            }
        });
    }
}

```

# MAIN-ACTIVITY4.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/gratiant"
    tools:context=".MainActivity4">

    <Button
        android:id="@+id/videoplay"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:background="@drawable/videoplay" />

    <Button
        android:id="@+id/texttospeak"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:background="@drawable/texttospeak" />

    <Button
        android:id="@+id/vibrator"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:background="@drawable/vibrator" />

    <Button
        android:id="@+id/quiz"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:background="@drawable/quiz" />

    <Button
        android:id="@+id/mediaPlayer"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:background="@drawable/mediaPlayer" />

```

```
        android:layout_alignParentStart="true"
        android:layout_alignParentTop="true"
        android:layout_marginStart="32dp"
        android:layout_marginTop="78dp"
        android:background="@drawable/blue_border_rounded_cornwe"
        android:text="Video Player"
        app:backgroundTint="#808080" />

    <Button
        android:id="@+id/Textspeek"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_alignParentEnd="true"
        android:layout_marginTop="205dp"
        android:layout_marginEnd="31dp"
        android:background="@drawable/blue_border_rounded_cornwe"
        android:text="Text To Speak"
        app:backgroundTint="#808080" />

    <Button
        android:id="@+id/qui"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentEnd="true"
        android:layout_alignParentBottom="true"
        android:layout_marginEnd="63dp"
        android:layout_marginBottom="192dp"
        android:background="@drawable/blue_border_rounded_cornwe"
        android:text="Quiz"
        app:backgroundTint="#808080" />

    <Button
        android:id="@+id/vibrat"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentBottom="true"
        android:layout_marginStart="52dp"
        android:layout_marginBottom="338dp"
        android:background="@drawable/blue_border_rounded_cornwe"
        android:text="Vibrator"
        app:backgroundTint="#808080" />

</RelativeLayout>
```

# MAIN-ACTIVITY4.JAVA

```
package com.example.netcampproject;

import androidx.appcompat.app.AppCompatActivity;

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

public class MainActivity4 extends AppCompatActivity {
    Button b1,b2,b3,b4;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main4);
        getSupportActionBar().hide();
        b1=findViewById(R.id.videoplay);
        b2=findViewById(R.id.Textspeek);
        b3=findViewById(R.id.qui);
        b4=findViewById(R.id.vibrat);

        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Toast.makeText(MainActivity4.this, "Video Player App",
                Toast.LENGTH_SHORT).show();
                startActivity(new Intent(MainActivity4.this,Video_player.class));
            }
        });
        b2.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Toast.makeText(MainActivity4.this, "Text To Speak App",
                Toast.LENGTH_SHORT).show();
                startActivity(new Intent(MainActivity4.this,Text_to_Speak.class));
            }
        });
        b3.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Toast.makeText(MainActivity4.this, "CALCULATOR APP", Toast.LENGTH_SHORT).show();
                startActivity(new Intent(MainActivity4.this,Quizfirst.class));
            }
        });
        b4.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Toast.makeText(MainActivity4.this, "Vibrator App", Toast.LENGTH_SHORT).show();
                startActivity(new Intent(MainActivity4.this,Vibrator.class));
            }
        });
    }
}
```

# ACTIVITY-VIDEO-PLAYER.XML



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

    <VideoView
        android:id="@+id/videoView"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:layout_alignParentStart="true"
        android:layout_alignParentBottom="true"
        android:layout_marginStart="0dp"
```

```
        android:layout_marginBottom="3dp"
        android:clickable="false"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"/>
    </androidx.constraintlayout.widget.ConstraintLayout>
```

## VIDEO-PLAYER.JAVA

```
package com.example.netcampproject;

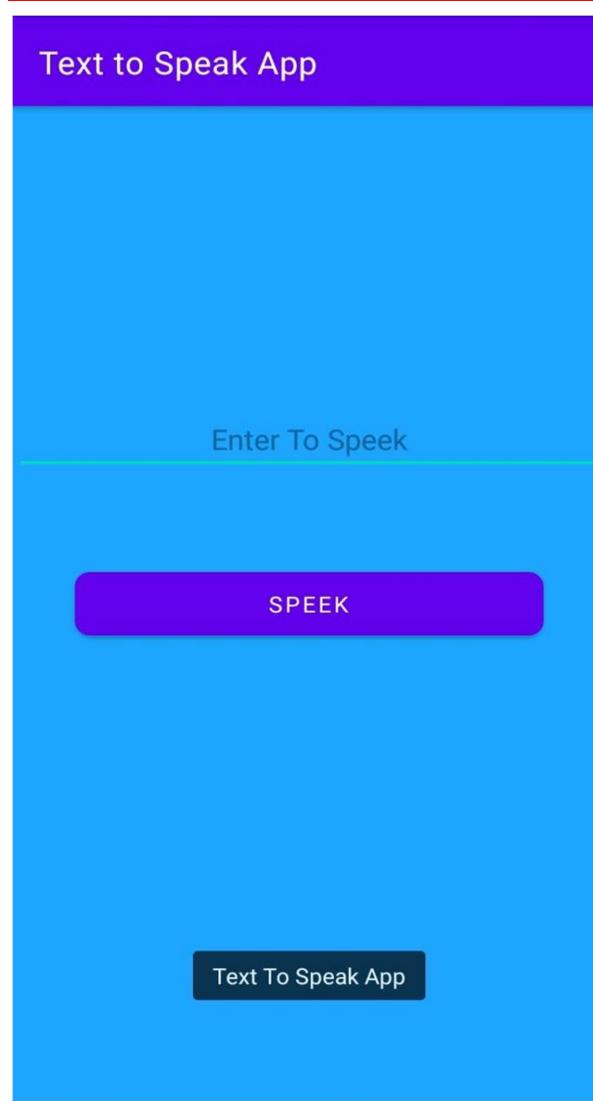
import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.widget.MediaController;
import android.widget.VideoView;

public class Video_player extends AppCompatActivity {
    VideoView v1;
    MediaController m1;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_video_player);
        getSupportActionBar().setTitle("Video Player App");
        getSupportActionBar().hide();
        v1=findViewById(R.id.videoView);
        m1=new MediaController(this);
        v1.setVideoPath("android.resource://" + getPackageName() + "/" + R.raw.dar);
        v1.setMediaController(m1);
        m1.setAnchorView(v1);
        v1.start();
    }
}
```

# ACTIVITY-TEXT-TO-SPEEK.XML



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

    <EditText
        android:id="@+id/editText"
        android:layout_width="358dp"
        android:layout_height="42dp"
        android:gravity="center"
        android:hint="Enter To Speek"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />
```

```

        app:layout_constraintVertical_bias="0.326" />

<Button
    android:id="@+id/speek"
    android:layout_width="284dp"
    android:layout_height="40dp"
    android:background="@drawable/btn_1_gradiant"
    android:backgroundTint="#FBC02D"
    android:text="Speek"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />

</androidx.constraintlayout.widget.ConstraintLayout>

```

## TEXT-TO-SPEEK.JAVA

```

package com.example.netcampproject;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.speech.tts.TextToSpeech;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;

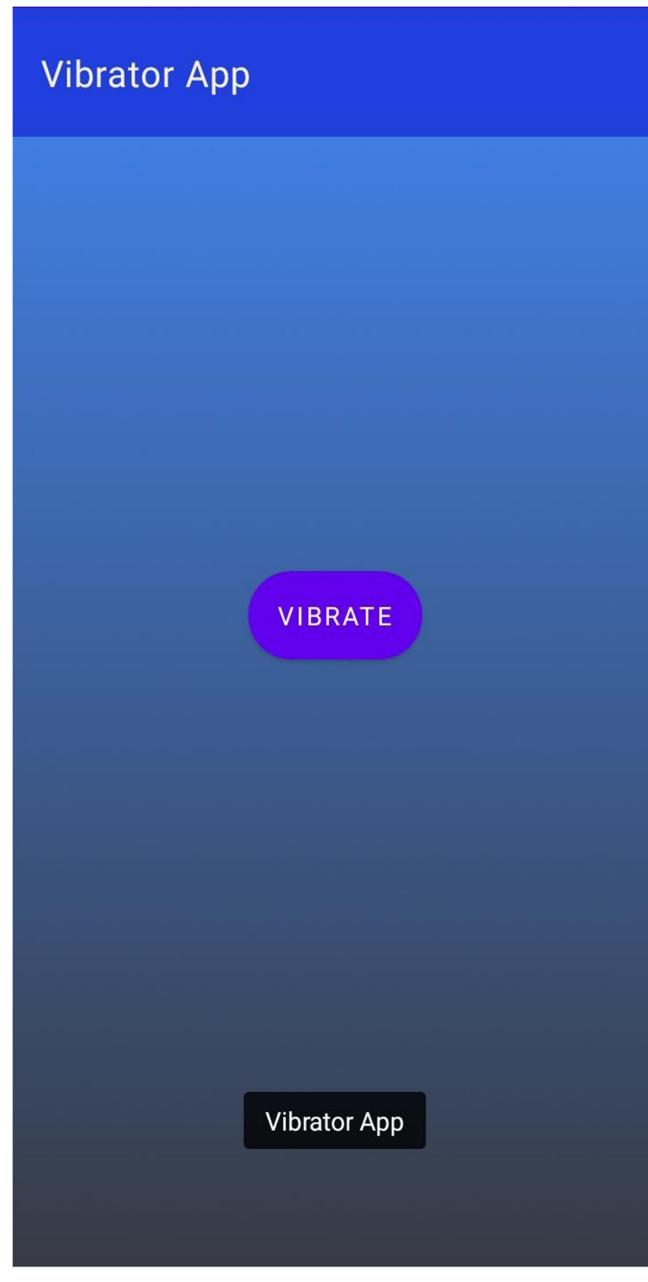
import java.util.Locale;

public class Text_to_Speek extends AppCompatActivity {
    TextToSpeech textToSpeech;
    EditText e1;
    Button b1;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_text_to_speek);
        getSupportActionBar().setTitle("Text to Speak App");
        e1=findViewById(R.id.editText);
        b1=findViewById(R.id.speek);
        textToSpeech=new TextToSpeech(this, new TextToSpeech.OnInitListener() {
            @Override
            public void onInit(int status) {
                textToSpeech.setLanguage(Locale.ENGLISH);
                textToSpeech.setSpeechRate(0.9f);
            }
        });
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                textToSpeech.speak(e1.getText().toString(),TextToSpeech.QUEUE_FLUSH,null);
            }
        });
    }
}

```

# ACTIVITY-VIBRATOR.XML





```

        android:background="#F01E3BDB"
        app:title="Vibrator App"
        app:titleTextColor="#F8F1F1" />

    <Button
        android:id="@+id/vibmn"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="306dp"
        android:background="@drawable/blue_border_rounded_cornwe"
        android:backgroundTint="#ffff"
        android:text="Vibrate"
        android:textColor="@color/white" />

</RelativeLayout>

```

## VIBERATOR.JAVA

```

package com.example.netcampproject;

import androidx.appcompat.app.AppCompatActivity;

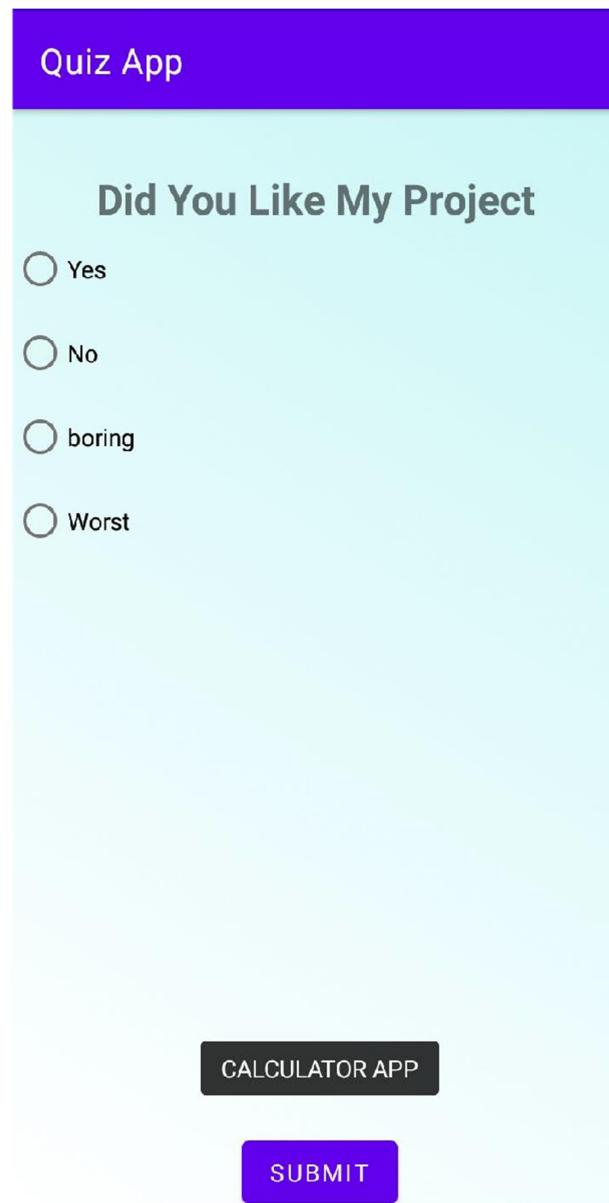
import android.annotation.SuppressLint;
import android.os.Build;
import android.os.Bundle;
import android.os.Vibrator;
import android.view.View;
import android.widget.Button;

public class Viberator extends AppCompatActivity {

    Vibrator v1;
    Button b1;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_viberator);
        getSupportActionBar().hide();
        v1=(Vibrator) getSystemService(VIBRATOR_SERVICE);
        b1=findViewById(R.id.vibmn);
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                if(Build.VERSION.SDK_INT>26){
                    v1.vibrate(5000);
                }
                else {
                    v1.vibrate(5000);
                }
            }
        });
    }
}

```

# ACTIVITY-QUIZFIRST.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/gradient1"
    android:layout_height="match_parent"
    tools:context=".Quizfirst">

    <TextView
        android:id="@+id/ques"

        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="35dp"
        android:gravity="center"
        android:textSize="24sp"
        android:textStyle="bold"
        android:text="Did You Like My Project " />

    <RadioGroup
        android:id="@+id/radioGroup"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_above="@+id/subbtn"
        android:layout_below="@+id/ques"
        android:layout_centerHorizontal="true">

        <RadioButton
            android:id="@+id/radioButton"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Yes" />

        <RadioButton
            android:id="@+id/radioButton2"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="No" />

        <RadioButton
            android:id="@+id/radioButton3"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="boring" />

        <RadioButton
            android:id="@+id/radioButton4"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Worst" />
    </RadioGroup>

    <Button
        android:id="@+id/subbtn"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentBottom="true"
        android:layout_centerHorizontal="true"
        android:layout_marginBottom="-4dp"
        android:text="Submit" />
</RelativeLayout>
```

# QUIZFIRST.JAVA

```
package com.example.netcampproject;

import androidx.appcompat.app.AppCompatActivity;

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

public class Quizfirst extends AppCompatActivity {

    Button b1;
    RadioButton r1,r2,r3,r4;
    static int score=0;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_quizfirst);
        getSupportActionBar().setTitle("Quiz App");
        b1=(Button)findViewById(R.id.subbtn);
        r1=(RadioButton)findViewById(R.id.radioButton);
        r2=(RadioButton)findViewById(R.id.radioButton2);
        r3=(RadioButton)findViewById(R.id.radioButton3);
        r4=(RadioButton)findViewById(R.id.radioButton4);
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                score=0;
                if(r1.isChecked()){
                    ++score;
                }
                else {
                    --score;
                }
                Intent i=new Intent(Quizfirst.this,QuizSecond.class);
                startActivity(i);
                finish();
            }
        });
    }
}
```

# ACTIVITY-QUIZSECOND.XML

Quiz App

This Project is Amazing or not ?

Amazing

NOT Amazing

SUBMIT

```
<?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/gradient2"
    android:layout_height="match_parent"
    tools:context=".QuizSecond">

    <TextView
        android:id="@+id/textView2"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_alignParentEnd="true"
        android:layout_alignParentRight="true"
        android:layout_marginTop="35dp"
        android:gravity="center"
```

```
        android:textSize="24sp"
        android:textStyle="bold"
        android:text="This Project is Amazing or not ?" />

    <Button
        android:id="@+id/subbtn2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentBottom="true"
        android:layout_centerHorizontal="true"
        android:layout_marginStart="156dp"
        android:layout_marginBottom="38dp"
        android:text="Submit" />

    <RadioGroup
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:layout_below="@+id/textView2"
        android:layout_marginTop="44dp"
        android:layout_above="@+id/subbtn2"
        android:layout_alignParentRight="true"
        android:layout_alignParentEnd="true">

        <RadioButton
            android:id="@+id/radioButton5"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Amazing" />

        <RadioButton
            android:id="@+id/radioButton6"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="NOT Amazing" />

    </RadioGroup>

</RelativeLayout>
```

# QUIZSECOND.JAVA

```
package com.example.netcampproject;

import androidx.appcompat.app.AppCompatActivity;

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

public class QuizSecond extends AppCompatActivity {
    Button b1;
    RadioButton r1,r2;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_quiz_second);
        getSupportActionBar().setTitle("Quiz App");
        b1=(Button)findViewById(R.id.subbtn2);
        r1=(RadioButton)findViewById(R.id.radioButton5);
        r2=(RadioButton)findViewById(R.id.radioButton6);
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {

                if(r1.isChecked()){
                    ++Quizfirst.score;
                }
                else {
                    --Quizfirst.score;
                }
                Intent i=new Intent(QuizSecond.this,QuizThird.class);
                startActivity(i);
                finish();
            }
        });
    }
}
```

# ACTIVITY-QUIZTHIRD.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/gradient3"
    android:layout_height="match_parent"
    tools:context=".QuizThird">

    <TextView
        android:id="@+id/ques3"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentLeft="true"
        android:gravity="center"
        android:text="Please rate My Project"
        android:textColor="#000000"
        android:textSize="20sp" />

    <RadioGroup
        android:id="@+id/radioGroup1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="10dp" >

        <RadioButton
            android:id="@+id/radio1"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Excellent" />

        <RadioButton
            android:id="@+id/radio2"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Good" />

        <RadioButton
            android:id="@+id/radio3"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Average" />

        <RadioButton
            android:id="@+id/radio4"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Worst" />

    </RadioGroup>

    <Button
        android:id="@+id/button1"
        android:layout_width="100dp"
        android:layout_height="40dp"
        android:layout_alignParentBottom="true"
        android:layout_centerHorizontal="true"
        android:layout_marginBottom="10dp"
        android:background="@color/colorPrimary"
        android:gravity="center"
        android:text="SUBMIT"
        android:textColor="#000000" />

</RelativeLayout>
```

```
        android:layout_alignParentTop="true"
        android:layout_marginTop="35dp"
        android:gravity="center"
        android:text="Please rate My Project "
        android:textSize="24sp"
        android:textStyle="bold" />

    <RadioGroup
        android:id="@+id/radioGroup12"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_above="@+id/subbtn4"
        android:layout_below="@+id/ques3"
        android:layout_centerHorizontal="true">

        <RadioButton
            android:id="@+id/radioButton13"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Excelent" />

        <RadioButton
            android:id="@+id/radioButton14"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Good" />

        <RadioButton
            android:id="@+id/radioButton15"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Average" />

        <RadioButton
            android:id="@+id/radioButton16"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Worst" />
    </RadioGroup>

    <Button
        android:id="@+id/subbtn4"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentBottom="true"
        android:layout_centerHorizontal="true"
        android:layout_marginBottom="-4dp"
        android:text="Submit" />

</RelativeLayout>
```

# QUIZTHIRD.JAVA

```
package com.example.netcampproject;

import androidx.appcompat.app.AppCompatActivity;

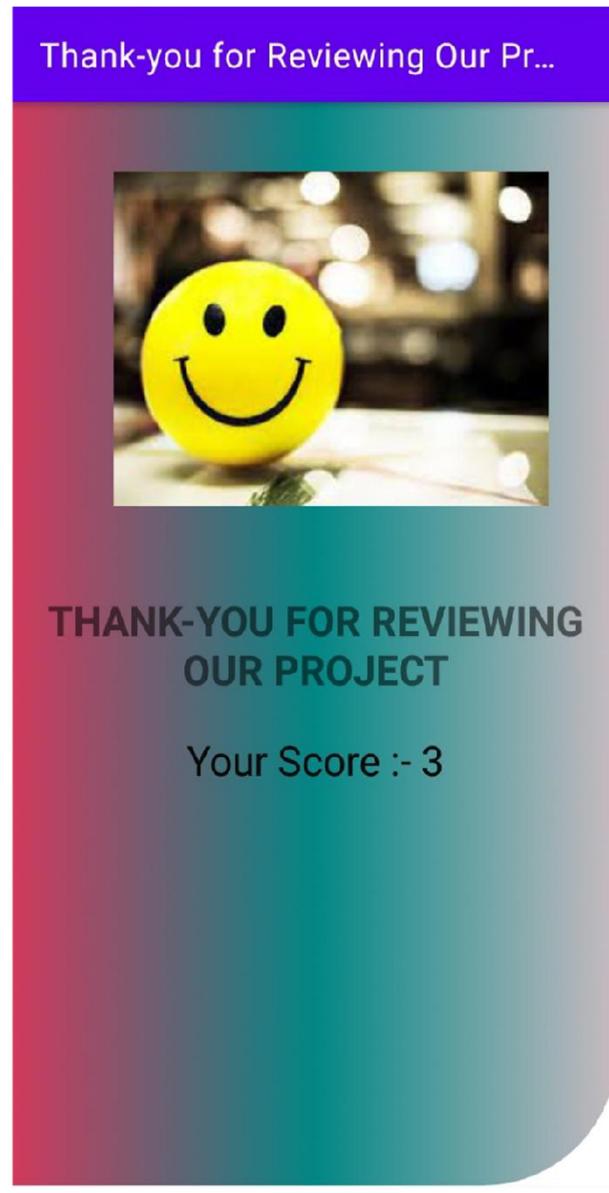
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.RadioButton;

public class QuizThird extends AppCompatActivity {
    Button b1;
    RadioButton r1,r2,r3,r4;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_quiz_third);
        getSupportActionBar().setTitle("Quiz App");
        b1=(Button)findViewById(R.id.subbtn4);
        r1=(RadioButton)findViewById(R.id.radioButton13);
        r2=(RadioButton)findViewById(R.id.radioButton14);
        r3=(RadioButton)findViewById(R.id.radioButton15);
        r4=(RadioButton)findViewById(R.id.radioButton16);
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {

                if(r1.isChecked()){
                    ++Quizfirst.score;
                }
                else {
                    --Quizfirst.score;
                }
                Intent i=new Intent(QuizThird.this,Result.class);
                startActivity(i);
                finish();
            }
        });
    }
}
```

# ACTIVITY-RESULT.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/gradient2"
    android:layout_height="match_parent"
    tools:context=".QuizSecond">

    <TextView
        android:id="@+id/textView2"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_alignParentEnd="true"
        android:gravity="center" />

```

```
        android:layout_alignParentRight="true"
        android:layout_marginTop="35dp"
        android:gravity="center"
        android:textSize="24sp"
        android:textStyle="bold"
        android:text="This Project is Amazing or not ?" />

    <Button
        android:id="@+id/subbtn2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentBottom="true"
        android:layout_centerHorizontal="true"
        android:layout_marginStart="156dp"
        android:layout_marginBottom="38dp"
        android:text="Submit" />

    <RadioGroup
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:layout_below="@+id/textView2"
        android:layout_marginTop="44dp"
        android:layout_above="@+id/subbtn2"
        android:layout_alignParentRight="true"
        android:layout_alignParentEnd="true">

        <RadioButton
            android:id="@+id/radioButton5"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Amazing" />

        <RadioButton
            android:id="@+id/radioButton6"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="NOT Amazing" />

    </RadioGroup>

</RelativeLayout>
```

# RESULT.JAVA

```
package com.example.netcampproject;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.widget.TextView;

public class Result extends AppCompatActivity {
    TextView t1;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_result);
        getActionBar().setTitle("Thank-you for Reviewing Our Project ");
        t1=findViewById(R.id.scores);
        t1.setText(t1.getText()+" :- "+Quizfirst.score);
    }
}
```



THANK-YOU

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