

an ISO 9001:2015 Company

PROJECT REPORT ON

Under Supervision-

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ANDROID



SUBMITTED BY

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Acknowledgement

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Date: 30 June 2021 to 31 August 2021

Signature: Robit

Netcamp Solutions Private Limited



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Certificate

This is to certify that, Rohit Singhal, a student of program, Android with Java Program has successfully completed a project on Network Management under the guidance of Mr. Santu Purkait during the Dates: 30 June- 31 August, 2021 by Netcamp Solutions Private Limited.

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MAIN PAGE

- For All Login Button
- Gmail Login
- Normal Login
- OTP Login
- Offline Database

activity_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<ScrollView xmlns:android="http://schemas.android.com/apk/res/android"</pre>
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
                                                                          - Q.78 ≈ № ...l ...l ⊞
    android:layout width="match parent"
    android:layout height="match parent"
                                                            NetCamp Project
    tools:context=".MainActivity">
<RelativeLayout
                                                           NETCAME
    android:layout width="match parent"
    android:layout height="match parent">
                                                           an ISO 9001: 2015 Certified Company
    <Button
        android:id="@+id/button2"
                                                                    GMAIL LOGIN
        android:layout width="match parent"
        android:layout height="wrap content"
        android:layout below="@+id/imageView3"
                                                                   NORMAL LOGIN
        android:layout alignParentStart="true"
        android:layout alignParentLeft="true"
        android:layout alignParentEnd="true"
                                                                     OTP LOGIN
        android:layout marginTop="10dp"
        android:layout marginEnd="0dp"
                                                                  OFFLINE DATABASE
android:background="@color/design default color error"
        android:text="Gmail Login"
android:textColor="@android:color/holo green light"
        android:textIsSelectable="false"
        android:textSize="18sp"
        android:textStyle="normal|bold" />
    <Button
        android:id="@+id/button3"
        android:layout width="match parent"
        android:layout height="wrap content"
        android:layout_below="@+id/button2"
        android:layout alignParentStart="true"
        android:layout alignParentEnd="true"
        android:layout marginTop="60dp"
        android:background="@android:color/holo orange light"
        android:text="Normal Login"
        android:textColor="?android:attr/colorEdgeEffect"
        android:textSize="18sp"
        android:textStyle="normal|bold" />
```

```
<Button
        android:id="@+id/button4"
        android:layout width="match parent"
        android:layout height="wrap content"
        android:layout below="@+id/button3"
        android:layout alignParentStart="true"
        android:layout alignParentEnd="true"
        android:layout marginTop="60dp"
        android:background="@color/design default color secondary"
        android:text="OTP Login"
        android:textColor="@android:color/holo red dark"
        android:textSize="18sp"
        android:textStyle="normal|bold" />
    <But.ton
        android:id="@+id/button5"
        android:layout_width="match_parent"
        android:layout height="wrap content"
        android:layout below="@+id/button4"
        android:layout alignParentStart="true"
        android:layout marginTop="60dp"
        android:background="@android:color/holo red light"
        android:text="Offline Database"
        android:textSize="18sp"
        android:textStyle="normal|bold" />
    <ImageView</pre>
        android:id="@+id/imageView3"
        android:layout width="match parent"
        android:layout height="164dp"
        android:layout_alignParentStart="false"
        android:layout_alignParentTop="true"
        android:layout alignParentEnd="true"
        app:srcCompat="@drawable/x" />
</RelativeLayout>
</scrollView>
```

MainAcitvity.java

```
package com.example.netcampproject;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import androidx.appcompat.app.AppCompatActivity;
public class MainActivity extends AppCompatActivity {
    Button b2, b3, b4, b5;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity main);
        getWindow().setBackgroundDrawableResource(R.drawable.fo);
        b2=(Button)findViewById(R.id.button2);
        b3=(Button)findViewById(R.id.button3);
        b4=(Button)findViewById(R.id.button4);
        b5=(Button)findViewById(R.id.button5);
        b2.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent j = new Intent(MainActivity.this, GmailLogin.class);
                startActivity(j);
                finish();
        });
        b3.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent k= new Intent(MainActivity.this, NormalLogin.class);
                startActivity(k);
                finish();
        });
        b4.setOnClickListener(new View.OnClickListener() {
            public void onClick(View v) {
                Intent l=new Intent(MainActivity.this,OtpLogin.class);
                startActivity(1);
                finish();
        });
        b5.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent m=new Intent(MainActivity.this,LoginOffline.class);
                startActivity(m);
                finish();
        });
   }
}
```

- After Click On Gmail Login
- Sign Up with Using Gmail ID

activity_gmail_login.xml

```
<?xml version="1.0" encoding="utf-8"?>
<ScrollView xmlns:android="http://schemas.android.com/apk/res/android"</pre>
    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"
                                                           NetCamp Project
    tools:context=".GmailLogin">
<RelativeLayout
    android:layout width="match parent"
    android:layout height="match parent">
    <TextView
                                                          Click Here to Sign In with Google
        android:id="@+id/textView"
        android:layout width="match parent"
        android:layout height="42dp"
        android:layout alignParentStart="true"
        android:layout alignParentLeft="true"
        android:layout alignParentTop="true"
        android:layout alignParentRight="true"
        android:layout marginTop="88dp"
android:background="@android:color/holo orange dark"
        android:text="Click Here to Sign In with
Google"
        android:textColor="@color/purple 700"
        android:textSize="20sp" />
    <ImageView</pre>
                                                                     BACK TO MAIN
        android:id="@+id/imageView4"
        android:layout width="match parent"
        android:layout height="80dp"
        android:layout below="@+id/textView"
        android:layout alignParentStart="true"
        android:layout alignParentLeft="true"
        android:layout marginTop="17dp"
        android:adjustViewBounds="true"
        app:srcCompat="@drawable/ic baseline arrow downward 24"
        tools:ignore="VectorDrawableCompat" />
    <ImageButton</pre>
        android:id="@+id/imageButtonG"
        android:layout width="wrap content"
        android:layout height="226dp"
        android:layout below="@+id/imageView4"
        android:layout alignParentEnd="true"
        android:layout alignParentRight="true"
        android:layout centerInParent="true"
```

```
android:layout_marginTop="16dp"
android:layout_marginEnd="90dp"
android:layout_marginRight="90dp"
app:srcCompat="@drawable/g" />

<Button
    android:id="@+id/buttonGmail"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_below="@+id/imageButtonG"
    android:layout_centerHorizontal="true"
    android:layout_marginTop="82dp"
    android:background="@color/purple_200"
    android:text="Back To main" />

</RelativeLayout>
</scrollView></scrollView></scrollView></scrollView></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrollview></scrol
```

GmailLogin.java

```
package com.example.netcampproject;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.ImageButton;
import android.widget.Toast;
import androidx.appcompat.app.AppCompatActivity;
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.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 GmailLogin extends AppCompatActivity {
    ImageButton b1;
    Button i1;
    GoogleSignInClient googleSignInClient;
    FirebaseAuth firebaseAuth;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity gmail login);
        getWindow().setBackgroundDrawableResource(R.drawable.gm);
        i1=(Button) findViewById(R.id.buttonGmail);
        b1 = (ImageButton) findViewById(R.id.imageButtonG);
        i1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent i=new Intent(GmailLogin.this, MainActivity.class);
                startActivity(i);
                finish();
        });
        GoogleSignInOptions googleSignInOptions = new
GoogleSignInOptions.Builder(GoogleSignInOptions.DEFAULT SIGN IN).requestIdToken("37119
mc8k4en2h6hogml39869uhqfumqkc2jk.apps.googleusercontent.com").requestEmail().build();
        googleSignInClient = GoogleSignIn.getClient(GmailLogin.this,
googleSignInOptions);
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Intent i = googleSignInClient.getSignInIntent();
                startActivityForResult(i, 100);
```

```
});
        firebaseAuth = FirebaseAuth.getInstance();
        FirebaseUser firebaseUser = firebaseAuth.getCurrentUser();
        if (firebaseUser != null) {
            Intent j = new Intent(GmailLogin.this,
Menu.class).setFlags(Intent.FLAG ACTIVITY NEW TASK);
            startActivity(j);
            finish();
        }
    }
    @Override
   protected void onActivityResult(int requestCode, int resultCode,Intent data) {
        super.onActivityResult(requestCode, resultCode, data);
        if(requestCode == 100)
Task<GoogleSignInAccount>signInAccountTask=GoogleSignIn.getSignedInAccountFromIntent(d
ata);
            if(signInAccountTask.isSuccessful())
                Toast.makeText(this, "SignIn Successfully", 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(Task<AuthResult> task) {
                                if (signInAccountTask.isSuccessful()) {
                                    Toast.makeText(GmailLogin.this, "Data Updated",
Toast.LENGTH SHORT).show();
                                    Intent j = new Intent(GmailLogin.this,
Menu.class).setFlags(Intent.FLAG_ACTIVITY NEW TASK);
                                    startActivity(j);
                        });
                }catch (ApiException e)
                    e.printStackTrace();
           }
       }
    }
```

- ❖ After Click On Normal Login
- Login Page With Normal Email ID

activity_normal_login.xml

```
<?xml version="1.0" encoding="utf-8"?>
<ScrollView xmlns:android="http://schemas.android.com/apk/res/android"</pre>
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout width="match parent"
                                                                                - Q.04 ⊋ Ym ...l ...l 100
    android: layout height="match parent"
    tools:context=".NormalLogin">
                                                             NetCamp Project
    <RelativeLayout
        android:layout width="match parent"
        android:layout height="match parent">
    <EditText
        android:id="@+id/editTextN"
        android:layout width="match parent"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout marginTop="133dp"
android:background="@android:color/holo orange dark"
        android:ems="10"
                                                                            LOGIN
        android:hint="Enter Your Email ID"
        android:inputType="textPersonName"
        android:textSize="20sp" />
                                                                           SIGN UP
    <EditText
        android:id="@+id/editTextN2"
        android:layout width="match parent"
        android:layout height="wrap content"
        android:layout_below="@+id/editTextN"
        android:layout_alignParentStart="true"
        android:layout_alignParentLeft="true"
        android:layout_marginStart="0dp"
                                                                        SWITCH TO MAIN
        android:layout marginLeft="0dp"
        android:layout marginTop="16dp"
android:background="@android:color/holo_orange_dark"
        android:ems="10"
        android:hint="Enter Your Password"
        android:inputType="textPassword"
        android:textSize="20sp" />
    <Button
        android:id="@+id/buttonN"
        android:layout width="match parent"
        android:layout height="wrap content"
        android:layout_below="@+id/editTextN2"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="45dp"
        android:background="@color/design default color secondary"
        android:text="Login" />
    <Button
```

```
android:id="@+id/buttonN2"
        android:layout width="match parent"
        android:layout_height="wrap content"
       android:layout below="@+id/buttonN"
       android:layout_alignParentStart="true"
       android:layout_alignParentLeft="true"
       android:layout_marginTop="40dp"
        android:background="@android:color/holo_red_light"
        android:text="Sign Up" />
    <ProgressBar
       android:id="@+id/progressBarN"
        style="?android:attr/progressBarStyle"
        android:layout_width="wrap_content"
       android:layout_height="wrap_content"
       android:layout below="@+id/buttonN2"
       android:layout centerHorizontal="true"
        android:layout_marginTop="40dp"
        android:visibility="invisible" />
    <Button
       android:id="@+id/buttonN5"
        android:layout width="match parent"
        android:layout_height="wrap_content"
        android:layout below="@+id/progressBarN"
        android:layout alignParentStart="true"
        android:layout marginTop="60dp"
       android:background="@color/purple_200"
       android:text="Switch to Main" />
    </RelativeLayout>
</ScrollView>
```

NormalLogin.java

```
package com.example.netcampproject;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.ProgressBar;
import android.widget.Toast;
import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;
import com.google.android.gms.tasks.OnCompleteListener;
import com.google.android.gms.tasks.Task;
import com.google.firebase.auth.AuthResult;
import com.google.firebase.auth.FirebaseAuth;
import org.jetbrains.annotations.NotNull;
public class NormalLogin extends AppCompatActivity {
    Button b1, b2,b3;
   EditText e1, e2;
    ProgressBar p1;
    FirebaseAuth firebaseAuth;
    String s1, s2;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity normal login);
        getWindow().setBackgroundDrawableResource(R.drawable.si);
        b1 = (Button) findViewById(R.id.buttonN);
        b2 = (Button) findViewById(R.id.buttonN2);
        b3=(Button)findViewById(R.id.buttonN5);
        e1 = (EditText) findViewById(R.id.editTextN);
        e2 = (EditText) findViewById(R.id.editTextN2);
        p1 = (ProgressBar) findViewById(R.id.progressBarN);
        firebaseAuth = FirebaseAuth.getInstance();
        b2.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent i = new Intent(NormalLogin.this, Normal.class);
                startActivity(i);
                finish();
        });
        b3.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent i=new Intent(NormalLogin.this, MainActivity.class);
                startActivity(i);
                finish();
        });
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
```

```
public void onClick(View v) {
                s1 = e1.getText().toString();
                s2 = e2.getText().toString();
                if (s1.isEmpty()) {
                    e1.setError("Please Fill Email Id");
                    return;
                } else {
                    if (s2.isEmpty()) {
                        e2.setError("Please Fill Password");
                        return;
                p1.setVisibility(View.VISIBLE);
                firebaseAuth.signInWithEmailAndPassword(s1,
s2).addOnCompleteListener(new OnCompleteListener<AuthResult>() {
                    @Override
                    public void onComplete(@NonNull @NotNull Task<AuthResult> task) {
                        if (task.isSuccessful()) {
                            Toast.makeText(NormalLogin.this, "Login Successfully",
Toast.LENGTH SHORT).show();
                            Intent j = new Intent(NormalLogin.this, Menu.class);
                            startActivity(j);
                            finish();
                            pl.setVisibility(View.INVISIBLE);
                        } else {
                            Toast.makeText(NormalLogin.this, "Invalid Email ID or
Password", Toast.LENGTH_SHORT).show();
                            Intent k = new Intent(NormalLogin.this, Normal.class);
                            startActivity(k);
                            finish();
                            pl.setVisibility(View.INVISIBLE);
                    }
               });
           }
       });
   }
}
```

After Click On Sign Up button

acitivity_normal.xml

```
<?xml version="1.0" encoding="utf-8"?>
<ScrollView xmlns:android="http://schemas.android.com/apk/res/android"</pre>
        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=".Normal">
                                                                                                                                                                     - $\cdot \cdot \c
<RelativeLayout
        android:layout width="match parent"
                                                                                                                              NetCamp Project
        android:layout height="match parent">
        <EditText
                 android:id="@+id/editTextN3"
                 android:layout width="match parent"
                 android:layout height="wrap content"
                 android:layout below="@+id/imageView2"
                 android:layout alignParentStart="true"
                 android:layout_alignParentLeft="true"
                 android:layout_marginTop="40dp"
                                                                                                                                                   Hello, Guest
android:background="@android:color/holo blue bright"
                 android:ems="10"
                 android:hint="Enter Your Email ID"
                                                                                                                              nter Your Email ID
                 android:inputType="textPersonName"
                 android:textSize="20sp" />
        <EditText
                 android:id="@+id/editTextN4"
                                                                                                                                                           SIGN UP
                 android:layout width="match parent"
                 android:layout height="wrap content"
                 android:layout below="@+id/editTextN3"
                 android:layout alignParentStart="true"
                 android:layout_alignParentLeft="true"
                 android:layout marginTop="10dp"
android:background="@android:color/holo blue bright"
                                                                                                                                                      BACK TO LOGIN
                 android:ems="10"
                 android:hint="Enter Your Password"
                 android:inputType="textPassword"
                 android:textSize="20sp" />
        <But.t.on
                 android:id="@+id/buttonN3"
                 android:layout width="match parent"
                 android:layout height="wrap content"
                 android:layout below="@+id/editTextN4"
                 android:layout centerHorizontal="true"
                 android:layout marginTop="40dp"
                 android:background="@android:color/holo red light"
                 android:text="Sign Up" />
        <But.t.on
                 android:id="@+id/buttonN4"
                 android:layout width="match parent"
                 android:layout height="wrap content"
                 android:layout_below="@+id/progressBarN2"
                 android:layout alignParentStart="true"
                 android:layout alignParentEnd="true"
```

```
android:layout marginStart="-1dp"
         android:layout marginTop="43dp"
         android:layout marginEnd="0dp"
         android:background="@color/purple 200"
         android:text="Back To Login" />
    <ImageView</pre>
         android:id="@+id/imageView2"
         android:layout_width="match_parent"
         android:layout_height="214dp"
android:layout_alignParentStart="true"
         android:layout alignParentTop="true"
         android:layout_marginTop="3dp"
         app:srcCompat="@drawable/1"
         android:layout_alignParentLeft="true" />
    <ProgressBar
         android:id="@+id/progressBarN2"
         style="?android:attr/progressBarStyle"
         android:layout_width="wrap_content"
         android:layout_height="wrap_content"
         android:layout_below="@+id/buttonN3"
         android:layout_centerHorizontal="true"
android:layout_marginTop="44dp"
android:visibility="invisible" />
</RelativeLayout>
</scrollView>
```

Normal.java

```
package com.example.netcampproject;
import android.content.Intent;
import android.os.Bundle;
import android.text.InputType;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.ProgressBar;
import android.widget.Toast;
import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;
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 Normal extends AppCompatActivity {
   Button b1,b2;
   EditText e1,e2;
    ProgressBar p1;
    FirebaseAuth firebaseAuth;
    String s1, s2;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity normal);
        getWindow().setBackgroundDrawableResource(R.drawable.lp);
        b1=(Button)findViewById(R.id.buttonN3);
        b2=(Button)findViewById(R.id.buttonN4);
        e1=(EditText)findViewById(R.id.editTextN3);
        e2=(EditText) findViewById(R.id.editTextN4);
        e2.setInputType(InputType.TYPE CLASS TEXT |
InputType.TYPE TEXT VARIATION PASSWORD);
        p1=(ProgressBar) findViewById(R.id.progressBarN2);
        firebaseAuth=FirebaseAuth.getInstance();
        b2.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent i=new Intent(Normal.this, NormalLogin.class);
                startActivity(i);
                finish();
        });
        b1.setOnClickListener(new View.OnClickListener() {
                                  @Override
                                  public void onClick(View v) {
                                       s1 = e1.getText().toString();
                                       s2 = e2.getText().toString();
                                       if (s1.isEmpty()) {
                                           e1.setError("Please Fill Email Id");
                                           return;
                                       } else {
                                           if(s2.isEmpty()) {
```

```
e2.setError("Please Fill Password");
                                        return;
                                    }
OnCompleteListener<AuthResult>() {
                 @Override
                 public void onComplete(@NonNull @org.jetbrains.annotations.NotNull
Task<AuthResult> task) {
                     if(task.isSuccessful()){
                        Toast.makeText(Normal.this, "Data Updated",
Toast.LENGTH_SHORT) .show();
                        p1.setVisibility(View.VISIBLE);
                        Intent j=new Intent(Normal.this, NormalLogin.class);
                        startActivity(j);
                        finish();
                     }else{
                        Toast.makeText(Normal.this, "Data Not Updated",
Toast.LENGTH SHORT).show();
             });
         }
      });
   }
}
```

- After Click On OTP Login
- Login Page With Phone Number

activity_otp_login.xml

```
<?xml version="1.0" encoding="utf-8"?>
<ScrollView
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=".OtpLogin">
<RelativeLayout
    android:layout width="match parent"
    android:layout height="match parent">
    <com.hbb20.CountryCodePicker</pre>
        android:id="@+id/cpp"
        android:layout_width="wrap content"
        android:layout height="wrap content"
        android:layout_alignParentStart="true"
        android:layout_alignParentLeft="true"
        android:layout_alignParentTop="true"
        android:layout_marginStart="0dp"
        android:layout marginLeft="0dp"
        android:layout marginTop="250dp"
```



android:background="@color/browser actions bg grey"></com.hbb20.CountryCodePicker>

```
<EditText
   android:id="@+id/editTextOT"
   android:layout_width="272dp"
   android:layout_height="39dp"
   android:layout_alignParentTop="true"
   android:layout_alignParentEnd="true"
   android:layout alignParentRight="true"
   android:layout marginStart="-1dp"
   android:layout marginLeft="-1dp"
   android:layout marginTop="249dp"
   android:layout marginEnd="0dp"
   android:layout marginRight="0dp"
   android:layout toEndOf="@+id/cpp"
   android:layout toRightOf="@+id/cpp"
   android:background="@android:color/holo orange light"
   android:ems="10"
   android:hint="Enter Your Number"
   android:inputType="number"
   android:textSize="20sp" />
<Button
   android:id="@+id/buttonOT"
   android:layout width="165dp"
```

```
android:layout height="wrap content"
        android:layout below="@+id/editTextOT"
        android:layout alignParentStart="true"
       android:layout alignParentLeft="true"
       android:layout centerHorizontal="true"
       android:layout_marginStart="117dp"
       android:layout_marginLeft="117dp"
        android:layout_marginTop="112dp"
       android:background="@android:color/holo green light"
        android:text="Generate OTP" />
    <Button
       android:id="@+id/buttonOT3"
       android:layout width="180dp"
       android:layout height="wrap content"
       android:layout below="@+id/buttonOT"
       android:layout alignParentStart="true"
       android:layout alignParentLeft="true"
       android:layout_centerHorizontal="true"
       android:layout_marginStart="104dp"
       android:layout_marginLeft="104dp"
       android:layout_marginTop="89dp"
        android:background="@android:color/holo orange dark"
        android:text="Back to Main" />
</RelativeLayout>
</scrollView>
```

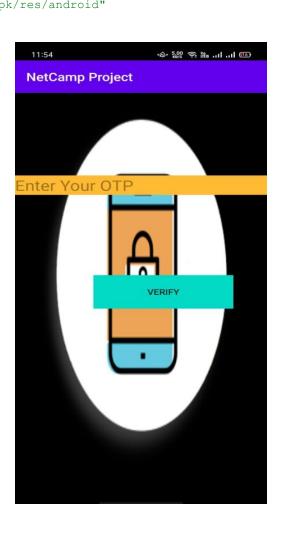
OtpLogin.java

```
package com.example.netcampproject;
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 androidx.appcompat.app.AppCompatActivity;
import com.hbb20.CountryCodePicker;
public class OtpLogin extends AppCompatActivity {
    Button b1,b2;
    EditText e1;
   CountryCodePicker ccp;
    @Override
   protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity otp login);
        getWindow().setBackgroundDrawableResource(R.drawable.og);
        b1=(Button)findViewById(R.id.buttonOT);
        b2=(Button) findViewById(R.id.buttonOT3);
        e1=(EditText) findViewById(R.id.editTextOT);
        ccp=(CountryCodePicker)findViewById(R.id.cpp);
        ccp.registerCarrierNumberEditText(e1);
        b2.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent j= new Intent(OtpLogin.this, MainActivity.class);
                startActivity(j);
                finish();
        });
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                if (e1.getText().toString().isEmpty()) {
                    e1.setError("Please Enter Number");
                    Toast.makeText(OtpLogin.this, "Enter Number",
Toast.LENGTH SHORT).show();
                else if(e1.getText().toString().length()!=10) {
                    e1.setError("Invalid Number");
                    Toast.makeText(OtpLogin.this, "Enter Valid Number",
Toast.LENGTH SHORT).show();
                else{
                    Intent i = new Intent(OtpLogin.this, Otp.class);
                    i.putExtra("Mobile", ccp.getFullNumberWithPlus().trim());
                    startActivity(i);
       });
    }
```

After Click On Generate OTP

acitivity_otp.xml

```
<?xml version="1.0" encoding="utf-8"?>
<ScrollView xmlns:android="http://schemas.android.com/apk/res/android"</pre>
    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">
<RelativeLayout
    android:layout width="match parent"
    android:layout height="match parent">
    <EditText
        android:id="@+id/editTextOT2"
        android:layout width="match parent"
        android:layout height="wrap content"
        android:layout alignParentStart="true"
        android:layout alignParentLeft="true"
        android:layout_alignParentTop="true"
        android:layout_centerHorizontal="true"
        android:layout marginTop="143dp"
android:background="@android:color/holo orange light"
        android:ems="10"
        android:hint="Enter Your OTP"
        android:inputType="number"
        android:textSize="25sp" />
    <Button
        android:id="@+id/buttonOT2"
        android:layout width="200dp"
        android:layout_height="58dp"
        android:layout below="@+id/editTextOT2"
        android:layout_alignParentStart="true"
        android:layout_alignParentLeft="true"
        android:layout_centerHorizontal="true"
        android:layout_marginStart="112dp"
        android:layout_marginLeft="112dp"
        android:layout marginTop="139dp"
        android:background="@color/teal 200"
        android:text="Verify" />
</RelativeLavout>
</ScrollView>
```



Otp.java

```
package com.example.netcampproject;
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 androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;
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 com.google.firebase.database.annotations.NotNull;
import java.util.concurrent.TimeUnit;
public class Otp extends AppCompatActivity {
   Button b1;
   EditText e1;
    FirebaseAuth firebaseAuth;
    String phone;
    String otp;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity otp);
        getWindow().setBackgroundDrawableResource(R.drawable.sc);
        b1=(Button)findViewById(R.id.buttonOT2);
        e1=(EditText) findViewById(R.id.editTextOT2);
        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()){
                    e1.setError("Enter OTP");
                }else{
                    if (e1.getText().toString().length()!=6) {
                        el.setError("Invalid OTP");
                        Toast.makeText(Otp.this, "Fill Valid OTP",
Toast.LENGTH SHORT).show();
                    }else{
                        PhoneAuthCredential credential=
PhoneAuthProvider.getCredential(otp,el.getText().toString());
                        SignWithPhoneAuthCredential(credential);
                }
        });
    }private void genotp() {
```

```
PhoneAuthProvider.getInstance().verifyPhoneNumber(
                phone,
                60,
                TimeUnit. SECONDS,
                this,
                new PhoneAuthProvider.OnVerificationStateChangedCallbacks() {
                    @Override
                    public void onCodeSent(@NonNull @NotNull String s, @NonNull
@NotNull PhoneAuthProvider.ForceResendingToken forceResendingToken) {
                        super.onCodeSent(s, forceResendingToken);
                        otp=s;
                    @Override
                    public void onVerificationCompleted(@NonNull
@org.jetbrains.annotations.NotNull PhoneAuthCredential phoneAuthCredential) {
                        SignWithPhoneAuthCredential(phoneAuthCredential);
                    }
                    @Override
                    public void onVerificationFailed(@NonNull
@org.jetbrains.annotations.NotNull FirebaseException e) {
                        Toast.makeText(Otp.this, "NOT MAtch",
Toast.LENGTH SHORT).show();
                    }
                }
       );
    }private void SignWithPhoneAuthCredential (PhoneAuthCredential credential) {
        firebaseAuth.signInWithCredential(credential).addOnCompleteListener(new
OnCompleteListener<AuthResult>() {
            @Override
            public void onComplete(@NonNull @NotNull Task<AuthResult> task) {
                if(task.isSuccessful()){
                    Toast.makeText(Otp.this, "Login Successfully",
Toast.LENGTH SHORT).show();
                    Intent i= new Intent(Otp.this, Menu.class);
                    startActivity(i);
                    finish();
                }
                else{
                    Toast.makeText(Otp.this, "Not VAlid", Toast.LENGTH SHORT).show();
            }
       });
    }
```

- After Click On Offline Database
- Login Page With Username and Password

activity_login_offline.xml

```
<?xml version="1.0" encoding="utf-8"?>
<ScrollView xmlns:android="http://schemas.android.com/apk/res/android"</pre>
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
                                                              11:54
                                                                                - Qu 0.32 完 tha ... l ... l 1100
    android:layout width="match parent"
    android:layout height="match parent"
                                                             NetCamp Project
    tools:context=".LoginOffline">
<RelativeLayout
    android:layout width="match parent"
    android:layout height="match parent">
    <EditText
        android:id="@+id/editTextO"
        android:layout width="match parent"
        android:layout height="wrap content"
                                                                       Hello, Guest
        android:layout_below="@+id/imageViewCA"
        android:layout_alignParentStart="true"
        android:layout_alignParentLeft="true"
        android:layout_alignParentRight="true"
        android:layout_marginStart="0dp"
        android:layout marginLeft="0dp"
        android:layout marginTop="31dp"
        android:layout marginRight="5dp"
                                                                            LOGIN
android:background="@android:color/holo blue bright"
        android:ems="10"
                                                                           SIGN UP
        android:hint="Enter Your Username"
        android:inputType="textPersonName"
        android:textSize="20sp" />
                                                                        SWITCH TO MAIN
    <EditText
        android:id="@+id/editText02"
        android:layout_width="match parent"
        android:layout_height="wrap_content"
        android:layout_below="@+id/editText0"
        android:layout_alignParentStart="true"
        android:layout alignParentLeft="true"
        android:layout marginStart="-1dp"
        android:layout marginLeft="-1dp"
        android:layout_marginTop="19dp"
        android:background="@android:color/holo_blue_bright"
        android:ems="10"
        android:hint="Enter Your Password"
        android:inputType="textPassword"
        android:textSize="20sp" />
    <Button
        android:id="@+id/button0"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_below="@+id/editText02"
        android:layout_centerHorizontal="true"
        android:layout marginTop="35dp"
        android:background="@color/design default color secondary"
```

```
android:text="Login" />
    <Button
       android:id="@+id/buttonO2"
        android:layout width="match parent"
        android:layout_height="wrap_content"
        android:layout_below="@+id/buttonO"
        android:layout_centerHorizontal="true"
        android:layout marginTop="30dp"
        android:background="@color/teal 200"
        android:text="Sign Up" />
    <ImageView</pre>
       android:id="@+id/imageViewCA"
        android:layout width="match parent"
        android:layout height="237dp"
        android:layout alignParentStart="true"
        android:layout alignParentTop="true"
        android:layout_alignParentEnd="true"
       android:layout_marginStart="0dp"
       android:layout_marginTop="0dp"
        android:layout_marginEnd="0dp"
        app:srcCompat="@drawable/l" />
    <Button
        android:id="@+id/button05"
        android:layout width="match parent"
        android:layout_height="wrap_content"
        android:layout_below="@+id/button02"
        android:layout alignParentStart="true"
        android:layout alignParentLeft="true"
        android:layout marginStart="0dp"
        android:layout_marginLeft="0dp"
       android:layout_marginTop="30dp"
       android:background="@color/purple 200"
        android:text="Switch To Main" />
    </RelativeLayout>
</scrollView>
```

LoginOffline.java

```
package com.example.netcampproject;
import android.content.Intent;
import android.database.Cursor;
import android.database.sqlite.SQLiteDatabase;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;
import androidx.appcompat.app.AppCompatActivity;
public class LoginOffline extends AppCompatActivity {
    Button b1,b2,b3;
   EditText e1,e2;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity login offline);
        getWindow().setBackgroundDrawableResource(R.drawable.of);
        b1=(Button) findViewById(R.id.buttonO);
        b2=(Button)findViewById(R.id.buttonO2);
        b3=(Button)findViewById(R.id.buttonO5);
        e1=(EditText) findViewById(R.id.editText0);
        e2=(EditText)findViewById(R.id.editText02);
        b2.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent i= new Intent(LoginOffline.this,Offline.class);
                startActivity(i);
                finish();
        });
        b3.setOnClickListener(new View.OnClickListener() {
            public void onClick(View v) {
                Intent k= new Intent(LoginOffline.this, MainActivity.class);
                startActivity(k);
                finish();
        });
        b1.setOnClickListener(new View.OnClickListener() {
            public void onClick(View v) {
                String s1=e1.getText().toString();
                String s2=e2.getText().toString();
                if(s1.isEmpty()) {
                    e1.setError("Please Enter Username");
                }else if(s2.isEmpty()) {
                    e2.setError("Please Enter Password");
                else{
                    SQLiteDatabase
sql=openOrCreateDatabase("rohit", MODE PRIVATE, null);
                    sql.execSQL("create table if not exists student (name
```

After Click On Sign Up button

activity_offline.xml

```
<?xml version="1.0" encoding="utf-8"?>
<ScrollView xmlns:android="http://schemas.android.com/apk/res/android"</pre>
    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=".Offline">
                                                             NetCamp Project
<RelativeLayout
   android:layout width="match parent"
    android:layout height="match parent">
    <EditText
        android:id="@+id/editText03"
        android:layout width="412dp"
        android:layout_height="wrap_content"
        android:layout below="@+id/imageView"
        android:layout alignParentStart="true"
        android:layout alignParentLeft="true"
        android:layout alignParentEnd="true"
        android:layout alignParentRight="true"
                                                             nter Your Name
        android:layout marginTop="10dp"
                                                             nter Your Username
android:background="@android:color/holo blue bright"
                                                             nter Your Email ID
        android:ems="10"
        android:hint="Enter Your Name"
        android:inputType="textPersonName"
        android:textSize="20sp" />
    <EditText
                                                                           SIGN UP
        android:id="@+id/editTextO4"
        android:layout width="match parent"
        android:layout height="wrap content"
        android:layout_below="@+id/editText03"
                                                                         BACK TO LOGIN
        android:layout alignParentStart="true"
        android:layout alignParentLeft="true"
        android:layout centerHorizontal="true"
        android:layout marginTop="10dp"
android:background="@android:color/holo blue bright"
        android:ems="10"
        android:hint="Enter Your Username"
        android:inputType="textPersonName"
        android:textSize="20sp" />
    <EditText
        android:id="@+id/editText05"
        android:layout width="match parent"
        android:layout height="wrap content"
        android:layout_below="@+id/editTextO4"
        android:layout alignParentStart="true"
        android:layout alignParentLeft="true"
        android:layout marginTop="10dp"
        android:background="@android:color/holo blue bright"
        android:ems="10"
        android:hint="Enter Your Email ID"
        android:inputType="textPersonName"
        android:textSize="20sp" />
```

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```
<EditText
       android:id="@+id/editText06"
       android:layout width="match parent"
        android:layout height="wrap content"
        android:layout_below="@+id/editText05"
        android:layout_alignParentStart="true"
        android:layout_alignParentLeft="true"
        android:layout marginTop="10dp"
        android:background="@android:color/holo blue bright"
        android:ems="10"
        android:hint="Enter Your Password"
        android:inputType="textPassword"
        android:textSize="20sp" />
       android:id="@+id/button03"
        android:layout width="match parent"
        android:layout height="wrap content"
       android:layout_below="@+id/editText06"
       android:layout_centerHorizontal="true"
        android:layout_marginTop="50dp"
        android:background="@android:color/holo orange light"
        android:text="Sign up" />
    <Button
       android:id="@+id/buttonO4"
        android:layout_width="match parent"
        android:layout height="47dp"
       android:layout below="@+id/button03"
       android:layout centerHorizontal="true"
        android:layout marginTop="50dp"
        android:background="@android:color/holo blue light"
        android:text="Back to Login" />
    <ImageView
        android:id="@+id/imageView"
        android:layout width="match parent"
        android:layout height="208dp"
        android:layout alignParentTop="true"
        app:srcCompat="@drawable/he" />
    </RelativeLayout>
</scrollView>
```

Offline.java

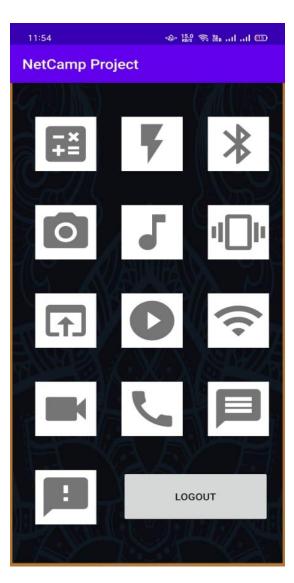
```
package com.example.netcampproject;
import android.content.Intent;
import android.database.Cursor;
import android.database.sqlite.SQLiteDatabase;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;
import androidx.appcompat.app.AppCompatActivity;
public class Offline extends AppCompatActivity {
    Button b1,b2;
   EditText e1, e2, e3, e4;
    @Override
   protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity offline);
        getWindow().setBackgroundDrawableResource(R.drawable.op);
        b1=(Button)findViewById(R.id.buttonO3);
        b2=(Button)findViewById(R.id.buttonO4);
        e1=(EditText) findViewById(R.id.editText03);
        e2=(EditText) findViewById(R.id.editText04);
        e3=(EditText)findViewById(R.id.editTextO5);
        e4=(EditText)findViewById(R.id.editTextO6);
        b2.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent i= new Intent(Offline.this,LoginOffline.class);
                startActivity(i);
                finish();
        });
        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();
                String s4=e4.getText().toString();
                if(s1.isEmpty()) {
                    e1.setError("Please Enter Name");
                }else if(s2.isEmpty()){
                    e2.setError("Please Enter Username");
                }else if(s3.isEmpty()){
                    e3.setError("Please Enter Email ID");
                }else if(s4.isEmpty()){
                    e4.setError("Please Enter Password");
                }
                else{
                    SQLiteDatabase
sql=openOrCreateDatabase("rohit", MODE_PRIVATE, null);
                    sql.execSQL("create table if not exists student(name
varchar, username varchar, email varchar, password varchar)");
                    String s5="select * from student where username='"+s2+"' and
password=""+s4+"";
```

After Login went to Menu File

activity_menu.xml

```
<?xml version="1.0" encoding="utf-8"?>
<ScrollView xmlns:android="http://schemas.android.com/apk/res/android"</pre>
    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=".Menu">
<RelativeLayout
    android:layout width="match parent"
    android:layout height="match parent">
    <ImageButton</pre>
        android:id="@+id/imageButtonM"
        android:layout width="80dp"
        android:layout height="80dp"
        android:layout alignParentStart="true"
        android:layout alignParentLeft="true"
        android:layout_alignParentTop="true"
        android:layout_marginStart="33dp"
        android:layout_marginLeft="50dp"
        android:layout_marginTop="50dp"
        android:background="@color/white"
        app:srcCompat="@drawable/ic calculator"
        tools:ignore="VectorDrawableCompat" />
    <ImageButton</pre>
        android:id="@+id/imageButtonM2"
        android:layout width="80dp"
        android:layout height="80dp"
        android:layout alignParentStart="false"
        android:layout alignParentLeft="false"
        android:layout alignParentTop="true"
        android:layout_alignParentEnd="false"
        android:layout_alignParentRight="false"
        android:layout_marginStart="33dp"
        android:layout_marginLeft="50dp"
        android:layout_marginTop="50dp"
        android:layout_toEndOf="@+id/imageButtonM"
        android:layout toRightOf="@id/imageButtonM"
        android:background="@color/white"
        app:srcCompat="@drawable/ic torch"
        tools:ignore="VectorDrawableCompat" />
    <ImageButton</pre>
        android:id="@+id/imageButtonM3"
        android:layout width="80dp"
        android:layout_height="80dp"
        android:layout_alignParentTop="true"
        android:layout_marginStart="33dp"
        android:layout_marginLeft="50dp"
        android:layout_marginTop="50dp"
        android:layout_toEndOf="@+id/imageButtonM2"
        android:layout toRightOf="@+id/imageButtonM2"
        android:background="@color/white"
        app:srcCompat="@drawable/ic bluetooth"
        tools:ignore="VectorDrawableCompat" />
```

<ImageButton</pre>



```
android:id="@+id/imageButtonM4"
    android:layout width="80dp"
    android:layout_height="80dp"
    android:layout_below="@+id/imageButtonM"
    android:layout_alignParentStart="true"
    android:layout_alignParentLeft="true"
    android:layout_alignParentTop="false"
    android:layout_alignParentEnd="false"
    android:layout_alignParentRight="true"
    android:layout marginStart="33dp"
    android:layout marginTop="50dp"
    android:layout marginRight="274dp"
    android:background="@color/white"
    app:srcCompat="@drawable/ic camera" />
<ImageButton</pre>
    android:id="@+id/imageButtonM5"
    android:layout width="80dp"
    android:layout_height="80dp"
    android:layout_below="@+id/imageButtonM2"
    android:layout_alignParentTop="false"
    android:layout_marginStart="33dp"
    android:layout_marginTop="50dp"
    android:layout toEndOf="@+id/imageButtonM4"
    android:background="@color/white"
    app:srcCompat="@drawable/ic music" />
<ImageButton</pre>
    android:id="@+id/imageButtonM6"
    android:layout width="80dp"
    android:layout height="80dp"
    android:layout below="@+id/imageButtonM3"
    android:layout marginStart="33dp"
    android:layout_marginTop="50dp"
    android:layout_toEndOf="@+id/imageButtonM5"
    android:background="@color/white"
    app:srcCompat="@drawable/ic vibrator" />
<ImageButton</pre>
    android:id="@+id/imageButtonM7"
    android:layout width="80dp"
    android:layout height="80dp"
    android:layout_below="@+id/imageButtonM4"
    android:layout alignParentStart="true"
    android:layout alignParentRight="false"
    android:layout marginStart="33dp"
    android:layout marginTop="50dp"
    android:background="@color/white"
    app:srcCompat="@drawable/ic browser" />
<ImageButton</pre>
    android:id="@+id/imageButtonM8"
    android:layout width="80dp"
    android:layout_height="80dp"
    android:layout_below="@+id/imageButtonM5"
    android:layout marginStart="33dp"
    android:layout_marginTop="50dp"
    android:layout toEndOf="@+id/imageButtonM7"
    android:background="@color/white"
    android:textAlignment="gravity"
    app:srcCompat="@drawable/ic vedioplayer" />
<ImageButton</pre>
```

```
android:id="@+id/imageButtonM9"
   android:layout width="80dp"
   android:layout_height="80dp"
   android:layout_below="@+id/imageButtonM6"
   android:layout marginStart="33dp"
   android:layout_marginTop="50dp"
   android:layout toEndOf="@+id/imageButtonM8"
   android:background="@color/white"
   app:srcCompat="@drawable/ic wifi" />
<ImageButton</pre>
   android:id="@+id/imageButtonM10"
   android:layout_width="80dp"
   android:layout height="80dp"
   android:layout_below="@+id/imageButtonM7"
   android:layout alignParentStart="true"
   android:layout alignParentLeft="true"
   android:layout_alignParentRight="false"
   android:layout_marginStart="33dp"
   android:layout_marginTop="50dp"
   android:background="@color/white"
   app:srcCompat="@drawable/ic vedio" />
<ImageButton</pre>
   android:id="@+id/imageButtonM11"
   android:layout width="80dp"
   android:layout height="80dp"
   android:layout_below="@+id/imageButtonM8"
   android:layout marginStart="33dp"
   android:layout marginTop="50dp"
   android:layout toEndOf="@+id/imageButtonM10"
   android:background="@color/white"
   app:srcCompat="@drawable/ic call" />
<ImageButton</pre>
   android:id="@+id/imageButtonM12"
   android:layout_width="80dp"
   android:layout_height="80dp"
   android:layout below="@+id/imageButtonM9"
   android:layout marginStart="33dp"
   android:layout marginTop="50dp"
   android:layout toEndOf="@+id/imageButtonM11"
   android:background="@color/white"
   app:srcCompat="@drawable/ic message" />
<ImageButton</pre>
   android:id="@+id/imageButtonM13"
   android:layout_width="80dp"
   android:layout_height="80dp"
   android:layout_below="@+id/imageButtonM10"
   android:layout_alignParentStart="true"
   android:layout_alignParentLeft="false"
   android:layout_alignParentRight="false"
   android:layout marginStart="33dp"
   android:layout marginTop="50dp"
   android:background="@color/white"
   app:srcCompat="@drawable/ic feedback" />
<Button
   android:id="@+id/buttonLogout"
   android:layout width="194dp"
   android:layout height="78dp"
   android:layout below="@+id/imageButtonM11"
```

```
android:layout_marginStart="33dp"
android:layout_marginTop="50dp"
android:layout_toEndOf="@+id/imageButtonM13"
android:text="Logout" />

</RelativeLayout>
</ScrollView>
```

Menu.java

```
package com.example.netcampproject;
import android.content.Intent;
import android.os.Build;
import android.os.Bundle;
import android.os.Vibrator;
import android.view.View;
import android.widget.Button;
import android.widget.ImageButton;
import android.widget.Toast;
import androidx.appcompat.app.AppCompatActivity;
import com.google.android.gms.auth.api.signin.GoogleSignIn;
import com.google.android.gms.auth.api.signin.GoogleSignInClient;
import com.google.android.gms.auth.api.signin.GoogleSignInOptions;
import com.google.android.gms.tasks.OnCompleteListener;
import com.google.android.gms.tasks.Task;
import com.google.firebase.auth.FirebaseAuth;
public class Menu extends AppCompatActivity {
    ImageButton i1,i2,i3,i4,i5,i6,i7,i8,i9,i10,i11,i12,i13;
    Button b1;
    Vibrator v1;
    FirebaseAuth firebaseAuth;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity menu);
        getWindow().setBackgroundDrawableResource(R.drawable.fr);
        firebaseAuth=FirebaseAuth.getInstance();
        i1=(ImageButton) findViewById(R.id.imageButtonM);
        i2=(ImageButton) findViewById(R.id.imageButtonM2);
        i3=(ImageButton) findViewById(R.id.imageButtonM3);
        i4=(ImageButton)findViewById(R.id.imageButtonM4);
        i5=(ImageButton) findViewById(R.id.imageButtonM5);
        i6=(ImageButton) findViewById(R.id.imageButtonM6);
        i7=(ImageButton) findViewById(R.id.imageButtonM7);
        i8=(ImageButton) findViewById(R.id.imageButtonM8);
        i9=(ImageButton) findViewById(R.id.imageButtonM9);
        i10=(ImageButton) findViewById(R.id.imageButtonM10);
        i11=(ImageButton)findViewById(R.id.imageButtonM11);
        i12=(ImageButton) findViewById(R.id.imageButtonM12);
        i13=(ImageButton)findViewById(R.id.imageButtonM13);
        b1=(Button) findViewById(R.id.buttonLogout);
        i1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent i= new Intent(Menu.this, Calci.class);
                startActivity(i);
                finish();
        });
        i2.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent j = new Intent (Menu.this, Torch.class);
```

```
startActivity(j);
        finish();
});
i3.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        Intent k= new Intent(Menu.this,Bluetooth.class);
        startActivity(k);
        finish();
});
i4.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        Intent l=new Intent (Menu.this, Camera.class);
        startActivity(1);
        finish();
    }
});
i5.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        Intent m= new Intent(Menu.this, Music.class);
        startActivity(m);
        finish();
});
i6.setOnClickListener(new View.OnClickListener() {
    public void onClick(View v) {
        v1 = (Vibrator) getSystemService(VIBRATOR SERVICE);
        if (Build. VERSION. SDK INT > 26) {
            v1.vibrate(500);
        } else {
            v1.vibrate(50);
        }
    }
});
i7.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        Intent o= new Intent(Menu.this, Browser.class);
        startActivity(o);
        finish();
    }
});
i8.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        Intent p=new Intent(Menu.this, Vedio.class);
        startActivity(p);
        finish();
});
i9.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        Intent q= new Intent (Menu.this, Wifi.class);
        startActivity(q);
        finish();
});
```

```
i10.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent r=new Intent (Menu.this, CameraVedio.class);
                startActivity(r);
                finish();
        });
        ill.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent s=new Intent (Menu.this, Call.class);
                startActivity(s);
                finish();
        });
        i12.setOnClickListener(new View.OnClickListener() {
            public void onClick(View v) {
                Intent t=new Intent(Menu.this, Message.class);
                startActivity(t);
                finish();
        });
        i13.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent u=new Intent(Menu.this, Feedback.class);
                startActivity(u);
                finish();
        });
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                GoogleSignInClient googleSignInClient =
GoogleSignIn.getClient(Menu.this, GoogleSignInOptions.DEFAULT SIGN IN);
                googleSignInClient.signOut().addOnCompleteListener(new
OnCompleteListener<Void>() {
                    @Override
                    public void onComplete(Task<Void> task) {
                        if (task.isSuccessful()) {
                            Toast.makeText(Menu.this, "Logout",
Toast.LENGTH SHORT).show();
                             firebaseAuth.signOut();
                            finish();
                        Intent i= new Intent(Menu.this, MainActivity.class);
                        startActivity(i);
                        finish();
                });
       });
   }
}
```

After Click On Calculator Icon

activity_calci.xml

```
<?xml version="1.0" encoding="utf-8"?>
<ScrollView
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=".Calci">
<RelativeLayout
    android:layout width="match parent"
    android:layout height="match parent">
    <EditText
        android:id="@+id/editTextC"
        android:layout width="412dp"
        android:layout height="wrap content"
        android:layout alignParentTop="true"
        android:layout_marginTop="61dp"
android:background="@android:color/holo orange dark"
        android:ems="10"
        android:focusableInTouchMode="false"
        android:hint="Enter Your 1st Number"
        android:inputType="numberDecimal"
        android:textSize="20sp" />
    <EditText
       android:id="@+id/editTextC2"
        android:layout width="match parent"
        android:layout height="wrap content"
        android:layout below="@+id/editTextC"
        android:layout alignParentStart="true"
        android:layout_marginStart="0dp"
        android:layout_marginTop="7dp"
        android:background="@android:color/holo orange dark"
        android:ems="10"
        android:focusableInTouchMode="false"
        android:hint="Enter Your 2nd Number"
        android:inputType="numberDecimal"
        android:textSize="20sp" />
    <TextView
        android:id="@+id/textViewC"
        android:layout width="wrap content"
        android:layout height="wrap content"
        android:layout below="@+id/editTextC2"
        android:layout alignParentEnd="true"
        android:layout_alignParentRight="true"
        android:layout_marginTop="19dp"
        android:layout_marginEnd="7dp"
        android:layout marginRight="7dp"
        android:background="@android:color/holo blue bright"
        android:hint="Result"
        android:textSize="18sp" />
```



```
<Button
   android:id="@+id/buttonC1"
   android:layout width="104dp"
   android:layout_height="wrap content"
   android:layout below="@+id/textViewC"
   android:layout_alignParentStart="true"
   android:layout marginStart="0dp"
   android:layout_marginTop="65dp"
   android:background="#0adcf8"
   android:text="1" />
<But.t.on
   android:id="@+id/buttonC2"
   android:layout width="104dp"
   android:layout height="wrap content"
   android:layout below="@+id/textViewC"
   android:layout marginTop="65dp"
   android:layout_toEndOf="@+id/buttonC1"
   android:layout_toRightOf="@+id/buttonC1"
   android:background="#0adcf8"
   android:text="2" />
<Button
   android:id="@+id/buttonC3"
   android:layout width="104dp"
   android:layout height="wrap_content"
   android:layout below="@+id/textViewC"
   android:layout_marginTop="65dp"
   android:layout toEndOf="@+id/buttonC2"
   android:layout toRightOf="@+id/buttonC2"
   android:background="#0adcf8"
   android:text="3" />
<Button
   android:id="@+id/buttonCclear"
   android:layout_width="104dp"
   android:layout_height="wrap_content"
   android:layout_below="@+id/textViewC"
   android:layout alignParentEnd="true"
   android:layout marginTop="64dp"
   android:layout toEndOf="@+id/buttonC3"
   android:layout toRightOf="@+id/buttonC3"
   android:background="@android:color/holo_orange_light"
   android:text="Clear" />
<Button
   android:id="@+id/buttonC4"
   android:layout_width="104dp"
   android:layout_height="wrap content"
   android:layout_below="@+id/buttonC1"
   android:layout_alignParentStart="true"
   android:layout_marginStart="0dp"
   android:layout marginTop="0dp"
   android:background="#0adcf8"
   android:text="4" />
<Button
   android:id="@+id/buttonC5"
   android:layout width="104dp"
   android:layout height="wrap content"
   android:layout below="@+id/buttonC2"
   android:layout toEndOf="@+id/buttonC4"
   android:layout toRightOf="@+id/buttonC4"
```

```
android:background="#0adcf8"
   android:text="5" />
<Button
   android:id="@+id/buttonC6"
   android:layout width="104dp"
   android:layout_height="wrap_content"
   android:layout_below="@+id/buttonC3"
   android:layout_toEndOf="@+id/buttonC5"
   android:layout toRightOf="@+id/buttonC5"
   android:background="#0adcf8"
   android:text="6" />
<Button
   android:id="@+id/buttonCnext"
   android:layout width="104dp"
   android:layout height="wrap content"
   android:layout_below="@+id/buttonCclear"
   android:layout_alignParentEnd="true"
   android:layout_marginStart="0dp"
   android:layout_marginLeft="0dp"
   android:layout_marginTop="0dp"
   android:layout marginEnd="0dp"
   android:layout_toEndOf="@+id/buttonC6"
   android:layout toRightOf="@+id/buttonC6"
   android:background="@android:color/holo orange light"
   android:text="Next" />
<Button
   android:id="@+id/buttonC7"
   android:layout width="104dp"
   android:layout height="wrap content"
   android:layout below="@+id/buttonC4"
   android:layout_alignParentStart="true"
   android:layout_alignParentLeft="true"
   android:layout_marginStart="0dp"
   android:layout_marginLeft="0dp"
   android:layout marginTop="0dp"
   android:background="#0adcf8"
   android:text="7" />
<Button
   android:id="@+id/buttonC8"
   android:layout width="104dp"
   android:layout height="wrap content"
   android:layout below="@+id/buttonC5"
   android:layout toEndOf="@+id/buttonC7"
   android:layout_toRightOf="@+id/buttonC7"
   android:background="#0adcf8"
   android:text="8" />
<Button
   android:id="@+id/buttonC9"
   android:layout width="104dp"
   android:layout height="wrap content"
   android:layout_below="@+id/buttonC6"
   android:layout toEndOf="@+id/buttonC8"
   android:layout toRightOf="@+id/buttonC8"
   android:background="#0adcf8"
   android:text="9" />
<Button
   android:id="@+id/buttonCminus"
```

```
android:layout width="104dp"
   android:layout height="wrap content"
   android:layout_below="@+id/buttonCnext"
   android:layout alignParentEnd="true"
   android:layout_marginStart="0dp"
   android:layout_marginLeft="0dp"
   android:layout_marginTop="0dp"
   android:layout_marginEnd="0dp"
   android:layout marginBottom="0dp"
   android:layout toEndOf="@+id/buttonC9"
   android:layout_toRightOf="@+id/buttonC9"
   android:background="#FFF50A25"
   android:text="-" />
<Button
   android:id="@+id/buttonCdot"
   android:layout width="104dp"
   android:layout height="wrap content"
   android:layout below="@+id/buttonC7"
   android:layout_alignParentStart="true"
   android:layout_marginStart="0dp"
   android:layout_marginTop="0dp"
   android:background="#FFF50A25"
   android:text="." />
<Button
   android:id="@+id/buttonC0"
   android:layout width="104dp"
   android:layout height="wrap content"
   android:layout below="@+id/buttonC8"
   android:layout toEndOf="@+id/buttonCdot"
   android:layout toRightOf="@+id/buttonCdot"
   android:background="#0adcf8"
   android:text="0" />
<Button
   android:id="@+id/buttonCmul"
   android:layout width="104dp"
   android:layout_height="wrap_content"
   android:layout_below="@+id/buttonC9"
   android:layout toEndOf="@+id/buttonCO"
   android:layout toRightOf="@+id/buttonCO"
   android:background="#FFF50A25"
   android:text="*" />
<Button
   android:id="@+id/buttonCadd"
   android:layout_width="104dp"
   android:layout_height="wrap content"
   android:layout_below="@+id/buttonCminus"
   android:layout_alignParentEnd="true"
   android:layout_marginStart="0dp"
   android:layout marginLeft="0dp"
   android:layout marginTop="0dp"
   android:layout_marginEnd="0dp"
   android:layout marginBottom="0dp"
   android:layout toEndOf="@+id/buttonCmul"
   android:layout toRightOf="@+id/buttonCmul"
   android:background="#FFF50A25"
   android:text="+" />
<Button
   android:id="@+id/buttonCsin"
```

```
android:layout width="104dp"
       android:layout height="wrap content"
       android:layout_below="@+id/buttonCdot"
       android:layout alignParentStart="true"
       android:layout_alignParentLeft="true"
       android:layout_marginStart="0dp"
       android:layout_marginLeft="0dp"
       android:layout_marginTop="0dp"
       android:background="#FFF50A25"
       android:text="sin" />
   <But.t.on
       android:id="@+id/buttonCcos"
       android:layout width="104dp"
       android:layout height="wrap content"
       android:layout below="@+id/buttonC0"
       android:layout toEndOf="@+id/buttonCsin"
       android:layout_toRightOf="@+id/buttonCsin"
       android:background="#FFF50A25"
       android:text="cos" />
   <Button
       android:id="@+id/buttonCtan"
       android:layout width="104dp"
       android:layout height="wrap content"
       android:layout_below="@+id/buttonCmul"
       android:layout toEndOf="@+id/buttonCcos"
       android:layout_toRightOf="@+id/buttonCcos"
       android:background="#FFF50A25"
       android:text="tan" />
   <Button
       android:id="@+id/buttonCdivide"
       android:layout width="104dp"
       android:layout_height="wrap content"
       android:layout_below="@+id/buttonCadd"
       android:layout_alignParentEnd="true"
       android:layout_marginStart="0dp"
       android:layout marginLeft="0dp"
       android:layout marginTop="0dp"
       android:layout marginEnd="0dp"
       android:layout toEndOf="@+id/buttonCtan"
       android:layout_toRightOf="@+id/buttonCtan"
       android:background="#FFF50A25"
       android:text="/" />
    <Button
       android:id="@+id/buttonCback"
       android:layout_width="match_parent"
       android:layout_height="wrap_content"
       android:layout_below="@+id/buttonCcos"
       android:layout_alignParentStart="true"
       android:layout_centerHorizontal="true"
       android:layout marginStart="0dp"
       android:layout_marginTop="51dp"
       android:background="@color/purple 200"
       android:text="Bcak To Menu" />
    </RelativeLayout>
</ScrollView>
```

Calci.java

```
package com.example.netcampproject;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
import android.widget.Toast;
import androidx.appcompat.app.AppCompatActivity;
public class Calci extends AppCompatActivity {
   Button b0,b1,b2,b3,b4,b5,b6,b7,b8,b9,b10,b11,b12,b13,b14,b15,b16,b17,b18,b19,b20;
   EditText e1,e2;
    String s1,s2;
   TextView t1;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_calci);
        getWindow().setBackgroundDrawableResource(R.drawable.ca);
        b0=(Button)findViewById(R.id.buttonC0);
        b1=(Button)findViewById(R.id.buttonC1);
        b2=(Button)findViewById(R.id.buttonC2);
        b3=(Button)findViewById(R.id.buttonC3);
        b4=(Button)findViewById(R.id.buttonC4);
        b5=(Button)findViewById(R.id.buttonC5);
        b6=(Button) findViewById(R.id.buttonC6);
        b7=(Button)findViewById(R.id.buttonC7);
        b8=(Button)findViewById(R.id.buttonC8);
        b9=(Button) findViewById(R.id.buttonC9);
        b10=(Button) findViewById(R.id.buttonCdot);
        b11=(Button) findViewById(R.id.buttonCmul);
        b12=(Button) findViewById(R.id.buttonCadd);
        b13=(Button) findViewById(R.id.buttonCminus);
        b14=(Button) findViewById(R.id.buttonCnext);
        b15=(Button)findViewById(R.id.buttonCdivide);
        b16=(Button) findViewById(R.id.buttonCsin);
        b17=(Button) findViewById(R.id.buttonCcos);
        b18=(Button) findViewById(R.id.buttonCtan);
        b19=(Button) findViewById(R.id.buttonCclear);
        b20=(Button)findViewById(R.id.buttonCback);
        e1=(EditText) findViewById(R.id.editTextC);
        e2=(EditText) findViewById(R.id.editTextC2);
        t1=(TextView) findViewById(R.id.textViewC);
        e1.setOnClickListener(new View.OnClickListener() {
            public void onClick(View view) {
                b0.setOnClickListener(new View.OnClickListener() {
                    @Override
                    public void onClick(View view) {
                        e1.setText(e1.getText() + "0");
```

```
});
b1.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        e1.setText(e1.getText() + "1");
});
b2.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        e1.setText(e1.getText() + "2");
});
b3.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        e1.setText(e1.getText() + "3");
    }
});
b4.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        e1.setText(e1.getText() + "4");
});
b5.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
       e1.setText(e1.getText() + "5");
    }
});
b6.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
       e1.setText(e1.getText() + "6");
});
b7.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        e1.setText(e1.getText() + "7");
    }
});
b8.setOnClickListener(new View.OnClickListener() {
    public void onClick(View view) {
        e1.setText(e1.getText() + "8");
});
b9.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        e1.setText(e1.getText() + "9");
```

```
});
                b10.setOnClickListener(new View.OnClickListener() {
                    @Override
                    public void onClick(View view) {
                        e1.setText(e1.getText() + ".");
                });
        });
        b11.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                s1 = e1.getText().toString();
                s2 = e2.getText().toString();
                if (s1.isEmpty() || s2.isEmpty()) {
                    Toast.makeText(Calci.this, "Enter Number",
Toast.LENGTH SHORT).show();
                }else{
                    Float f1 = Float.parseFloat(s1);
                    Float f2 = Float.parseFloat(s2);
                    Float f3 = f1 * f2;
                    String s3 = Float.toString(f3);
                    t1.setText(s3);
                }
            }
        });
        b12.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                s1 = e1.getText().toString();
                s2 = e2.getText().toString();
                if (s1.isEmpty() || s2.isEmpty()) {
                    Toast.makeText(Calci.this, "Enter Number",
Toast.LENGTH SHORT).show();
                } else {
                    Float f1 = Float.parseFloat(s1);
                    Float f2 = Float.parseFloat(s2);
                    Float f3 = f1 + f2;
                    String s3 = Float.toString(f3);
                    t1.setText(s3);
                }
            }
        });
        b13.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                 s1 = e1.getText().toString();
                 s2 = e2.getText().toString();
                if (s1.isEmpty() || s2.isEmpty()) {
                    Toast.makeText(Calci.this, "Enter Number",
Toast.LENGTH SHORT).show();
                } else {
                    Float f1 = Float.parseFloat(s1);
                    Float f2 = Float.parseFloat(s2);
                    Float f3 = f1 - f2;
                    String s3 = Float.toString(f3);
                    t1.setText(s3);
```

```
}
});
b14.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        b0.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                e2.setText(e2.getText() + "0");
        });
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                e2.setText(e2.getText() + "1");
                                                                    }
        });
        b2.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                e2.setText(e2.getText() + "2");
        });
        b3.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                e2.setText(e2.getText() + "3");
        });
        b4.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                e2.setText(e2.getText() + "4");
        });
        b5.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                e2.setText(e2.getText() + "5");
                                                                    }
        });
        b6.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
               e2.setText(e2.getText() + "6");
                                                                    }
        });
        b7.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                e2.setText(e2.getText() + "7");
        });
        b8.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                e2.setText(e2.getText() + "8");
                                                                    }
        });
```

```
b9.setOnClickListener(new View.OnClickListener() {
                    @Override
                    public void onClick(View view) {
                        e2.setText(e2.getText() + "9");
                                                                             }
                });
                b10.setOnClickListener(new View.OnClickListener() {
                    @Override
                    public void onClick(View view) {
                        e2.setText(e2.getText() + ".");
                });
        });
        b15.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                 s1 = e1.getText().toString();
                 s2 = e2.getText().toString();
                if (s1.isEmpty() || s2.isEmpty()) {
                    Toast.makeText(Calci.this, "Enter Number",
Toast.LENGTH SHORT).show();
                } else {
                    Float f1 = Float.parseFloat(s1);
                    Float f2 = Float.parseFloat(s2);
                    Float f3 = f1 / f2;
                    String s3 = Float.toString(f3);
                    t1.setText(s3);
                }
            }
        });
        b16.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                 s1 = t1.getText().toString();
                if (s1.isEmpty()) {
                    Toast.makeText(Calci.this, "First Perform Operation",
Toast.LENGTH SHORT).show();
                } else {
                    Float f3 = Float.parseFloat(s1);
                    double r = Math.toRadians(f3);
                    double f4 = Math.sin(r);
                    String s2 = Double.toString(f4);
                    t1.setText(s2);
                    Toast.makeText(Calci.this, "Consider the previous result as a
value", Toast.LENGTH SHORT).show();
                }
            }
        b17.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                String s1 = t1.getText().toString();
                if (s1.isEmpty()) {
                    Toast.makeText(Calci.this, "First Perform Operation",
Toast.LENGTH SHORT).show();
                } else {
                    Float f3 = Float.parseFloat(s1);
```

```
double r = Math.toRadians(f3);
                    double f4 = Math.cos(r);
                    String s2 = Double.toString(f4);
                    t1.setText(s2);
                    Toast.makeText(Calci.this, "Consider the previous result as a
value", Toast.LENGTH SHORT).show();
               }
        });
        b18.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                String s1 = t1.getText().toString();
                if (s1.isEmpty()) {
                    Toast.makeText(Calci.this, "First Perform Operation",
Toast.LENGTH SHORT).show();
                } else {
                    Float f3 = Float.parseFloat(s1);
                    double r = Math.toRadians(f3);
                    double f4 = Math.tan(r);
                    String s2 = Double.toString(f4);
                    t1.setText(s2);
                    Toast.makeText(Calci.this, "Consider the previous result as a
value", Toast.LENGTH SHORT).show();
                }
            }
        });
        b19.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                e1.setText("");
                e2.setText("");
                t1.setText("");
        });
        b20.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent i= new Intent(Calci.this, Menu.class);
                startActivity(i);
                finish();
        });
   }
```

After Click On Flash/Torch Icon

activity_torch.xml

```
<?xml version="1.0" encoding="utf-8"?>
<ScrollView xmlns:android="http://schemas.android.com/apk/res/android"</pre>
    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=".Torch">
<RelativeLayout
    android:layout width="match parent"
    android:layout height="match parent">
    <ToggleButton
       android:id="@+id/toggleButtonT"
        android:layout width="match parent"
        android:layout height="64dp"
        android:layout alignParentStart="true"
        android:layout_alignParentLeft="true"
        android:layout_alignParentTop="true"
        android:layout_centerHorizontal="true"
        android:layout_marginStart="0dp"
        android:layout_marginLeft="0dp"
        android:layout_marginTop="199dp"
        android:background="@color/teal 200"
        android:checked="false"
        android:text="ToggleButton"
        android:textOff="Torch OFF"
        android:textOn="Torch ON" />
        android:id="@+id/buttonT"
        android:layout width="150dp"
        android:layout_height="76dp"
        android:layout_below="@+id/toggleButtonT"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="181dp"
        android:background="@color/purple 200"
        android:text="Back to Menu" />
</RelativeLayout>
</scrollView>
```



Torch.java

```
package com.example.netcampproject;
import android.content.Intent;
import android.hardware.camera2.CameraAccessException;
import android.hardware.camera2.CameraManager;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.CompoundButton;
import android.widget.ToggleButton;
import androidx.appcompat.app.AppCompatActivity;
public class Torch extends AppCompatActivity {
    ToggleButton t1;
    Button b1;
    CameraManager cm;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity torch);
        getWindow().setBackgroundDrawableResource(R.drawable.to);
        t1=(ToggleButton) findViewById(R.id.toggleButtonT);
        b1=(Button)findViewById(R.id.buttonT);
        cm= (CameraManager) getSystemService (CAMERA SERVICE);
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent i= new Intent(Torch.this, Menu.class);
                startActivity(i);
                finish();
        });
        t1.setOnCheckedChangeListener(new CompoundButton.OnCheckedChangeListener() {
            public void onCheckedChanged(CompoundButton buttonView, boolean isChecked)
                try{
                    if(isChecked) {
                        String s1 = cm.getCameraIdList()[0];
                        cm.setTorchMode(s1, true);
                    else{
                        String s1=cm.getCameraIdList()[0];
                        cm.setTorchMode(s1, false);
                }catch (CameraAccessException e) {
                }
            }
       });
    }
```

❖ After Click On Bluetooth Icon

activity_bluetooth.xml

```
<?xml version="1.0" encoding="utf-8"?>
<ScrollView
xmlns:android="http://schemas.android.com/apk/res/android"
                                                                                 «Δ» 0.04 🤶 ‱ ...l ...l 🔟
    xmlns:app="http://schemas.android.com/apk/res-auto"
                                                               NetCamp Project
    xmlns:tools="http://schemas.android.com/tools"
    android:layout width="match parent"
    android:layout height="match parent"
    tools:context=".Bluetooth">
<RelativeLayout
    android:layout_width="match parent"
    android:layout height="match parent">
    <ImageButton</pre>
        android:id="@+id/imageButtonB"
        android:layout width="236dp"
        android:layout_height="230dp"
        android:layout alignParentStart="true"
        android:layout alignParentTop="true"
        android:layout alignParentEnd="true"
        android:layout marginStart="100dp"
        android:layout marginTop="76dp"
        android:layout marginEnd="75dp"
        android:contentDescription="TODO"
        app:layout constraintEnd toEndOf="parent"
        app:layout_constraintHorizontal bias="0.497"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:srcCompat="@drawable/r" />
    <Button
        android:id="@+id/buttonB"
        android:layout width="409dp"
        android:layout height="50dp"
        android:layout below="@+id/imageButtonB"
        android:layout alignParentStart="true"
        android:layout alignParentEnd="true"
        android:layout marginStart="6dp"
        android:layout marginTop="100dp"
        android:layout_marginEnd="5dp"
        android:background="@color/design default color secondary"
        android:text="Back to Menu"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop toBottomOf="@+id/imageButtonB" />
</RelativeLayout>
    </ScrollView>
```

Bluetooth.java

```
package com.example.netcampproject;
import android.bluetooth.BluetoothAdapter;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.ImageButton;
import androidx.appcompat.app.AppCompatActivity;
public class Bluetooth extends AppCompatActivity {
    ImageButton i1;
    Button b1;
    BluetoothAdapter ba;
    private boolean blue=false;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity bluetooth);
        getWindow().setBackgroundDrawableResource(R.drawable.bl);
        b1=(Button) findViewById(R.id.buttonB);
        i1=(ImageButton) findViewById(R.id.imageButtonB);
        ba=BluetoothAdapter.getDefaultAdapter();
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent i= new Intent(Bluetooth.this, Menu.class);
                startActivity(i);
                finish();
        i1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                if(blue==false) {
                    ba.enable();
                    blue=true;
                    i1.setImageResource(R.drawable.o);
                }else{
                    ba.disable();
                    blue=false;
                    i1.setImageResource(R.drawable.r);
                }
       });
    }
}
```

After Click On Camera Icon

activity.camera.xml

```
<?xml version="1.0" encoding="utf-8"?>
<ScrollView xmlns:android="http://schemas.android.com/apk/res/android"</pre>
    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=".Camera">
<RelativeLayout
   android:layout width="match parent"
    android:layout height="match parent">
        android:id="@+id/buttonCA"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_below="@+id/imageViewCA"
        android:layout alignParentStart="true"
        android:layout alignParentLeft="true"
        android:layout centerHorizontal="true"
        android:layout marginTop="40dp"
android:background="@color/design default color on primary"
android:backgroundTint="@android:color/holo blue bright"
        android:text="Click Here to Take Selfi" />
    <ImageView</pre>
        android:id="@+id/imageViewCA"
        android:layout width="match parent"
        android:layout height="350dp"
        android:layout_alignParentStart="true"
        android:layout alignParentLeft="false"
        android:layout alignParentTop="false"
        android:layout alignParentEnd="true"
        android:layout marginStart="0dp"
        android:layout marginTop="50dp"
        android:layout marginEnd="1dp"
        tools:srcCompat="@tools:sample/avatars" />
    <Button
       android:id="@+id/buttonCA2"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_below="@+id/buttonCA"
        android:layout alignParentStart="true"
        android:layout alignParentEnd="false"
        android:layout marginTop="50dp"
        android:backgroundTint="@android:color/holo purple"
        android:text="Back to Menu" />
    </RelativeLayout>
</ScrollView>
```



Camera.java

```
package com.example.netcampproject;
import android.content.Intent;
import android.graphics.Bitmap;
import android.os.Bundle;
import android.provider.MediaStore;
import android.view.View;
import android.widget.Button;
import android.widget.ImageView;
import android.widget.Toast;
import androidx.annotation.Nullable;
import androidx.appcompat.app.AppCompatActivity;
public class Camera extends AppCompatActivity {
    Button b1,b2;
    ImageView i1;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity camera);
        getWindow().setBackgroundDrawableResource(R.drawable.cp);
        b1=(Button) findViewById(R.id.buttonCA);
        b2=(Button)findViewById(R.id.buttonCA2);
        i1=(ImageView) findViewById(R.id.imageViewCA);
        b2.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent j= new Intent(Camera.this, Menu.class);
                startActivity(j);
                finish();
        });
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent i= new Intent(MediaStore.ACTION IMAGE CAPTURE);
                startActivityForResult(i,10);
        });
    }
    @Override
    protected void onActivityResult(int requestCode, int resultCode, @Nullable
@org.jetbrains.annotations.Nullable Intent data) {
        super.onActivityResult(requestCode, resultCode, data);
        if (requestCode==10) {
            Bitmap bp=(Bitmap)data.getExtras().get("data");
            i1.setImageBitmap(bp);
            Toast.makeText(Camera.this, "Not Capture Photo",
Toast.LENGTH_SHORT).show();
```

After Click On Music Icon

activity_music.xml

```
<?xml version="1.0" encoding="utf-8"?>
<ScrollView xmlns:android="http://schemas.android.com/apk/res/android"</pre>
    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=".Music">
<RelativeLayout
    android:layout width="match parent"
    android:layout height="match parent">
        android:id="@+id/buttonM"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout alignParentLeft="false"
        android:layout alignParentTop="true"
        android:layout alignParentEnd="false"
        android:layout_centerHorizontal="false"
        android:layout marginTop="50dp"
        android:layout marginEnd="0dp"
android:backgroundTint="@android:color/holo orange light"
       android:text="Play Song" />
    <Button
        android:id="@+id/buttonM2"
        android:layout width="match parent"
        android:layout_height="wrap_content"
        android:layout_below="@+id/imageViewM"
        android:layout alignParentStart="false"
        android:layout marginTop="40dp"
android:backgroundTint="@android:color/holo orange light"
        android:text="Stop Song" />
    <ImageView</pre>
        android:id="@+id/imageViewM"
        android:layout width="416dp"
        android:layout height="291dp"
        android:layout_below="@+id/buttonM"
        android:layout_alignParentStart="true"
        android:layout_alignParentEnd="true"
        android:layout_marginTop="40dp"
        app:srcCompat="@drawable/mu" />
    <Button
        android:id="@+id/buttonM3"
        android:layout width="match parent"
        android:layout height="wrap content"
        android:layout_below="@+id/buttonM2"
        android:layout alignParentStart="true"
        android:layout marginStart="0dp"
        android:layout marginTop="30dp"
        android:backgroundTint="@color/purple 200"
        android:text="Back to Menu" />
    </RelativeLayout>
</ScrollView>
```

Music.java

```
package com.example.netcampproject;
import android.content.Intent;
import android.media.MediaPlayer;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.ImageView;
import androidx.appcompat.app.AppCompatActivity;
public class Music extends AppCompatActivity {
   Button b1,b2,b3;
   MediaPlayer m1;
   ImageView i1;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity music);
        getWindow().setBackgroundDrawableResource(R.drawable.mp);
        b1=(Button) findViewById(R.id.buttonM);
        b2=(Button)findViewById(R.id.buttonM2);
        b3=(Button)findViewById(R.id.buttonM3);
        i1=(ImageView) findViewById(R.id.imageViewM);
        m1=MediaPlayer.create(this,R.raw.a);
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                m1.start();
                i1.setImageResource(R.drawable.a);
        });
        b2.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                m1.pause();
                i1.setImageResource(R.drawable.mu);
        });
        b3.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                m1.pause();
                Intent i= new Intent(Music.this, Menu.class);
                startActivity(i);
                finish();
       });
    }
}
```

❖ After Click On Vibrate Icon

Menu.java For (Vibration)

```
package com.example.netcampproject;
import android.content.Intent;
import android.os.Build;
import android.os.Bundle;
import android.os. Vibrator;
import android.view.View;
import android.widget.Button;
import android.widget.ImageButton;
import android.widget.Toast;
import androidx.appcompat.app.AppCompatActivity;
import com.google.android.gms.auth.api.signin.GoogleSignIn;
import com.google.android.gms.auth.api.signin.GoogleSignInClient;
import com.google.android.gms.auth.api.signin.GoogleSignInOptions;
import com.google.android.gms.tasks.OnCompleteListener;
import com.google.android.gms.tasks.Task;
import com.google.firebase.auth.FirebaseAuth;
public class Menu extends AppCompatActivity {
    ImageButton i1,i2,i3,i4,i5,i6,i7,i8,i9,i10,i11,i12,i13;
   Button b1;
   Vibrator v1;
   FirebaseAuth firebaseAuth;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity menu);
        getWindow().setBackgroundDrawableResource(R.drawable.fr);
        firebaseAuth=FirebaseAuth.getInstance();
        i1=(ImageButton) findViewById(R.id.imageButtonM);
        i2=(ImageButton) findViewById(R.id.imageButtonM2);
        i3=(ImageButton)findViewById(R.id.imageButtonM3);
        i4=(ImageButton)findViewById(R.id.imageButtonM4);
        i5=(ImageButton) findViewById(R.id.imageButtonM5);
        i6=(ImageButton)findViewById(R.id.imageButtonM6);
        i7=(ImageButton)findViewById(R.id.imageButtonM7);
        i8=(ImageButton)findViewById(R.id.imageButtonM8);
        i9=(ImageButton) findViewById(R.id.imageButtonM9);
        i10=(ImageButton) findViewById(R.id.imageButtonM10);
        ill=(ImageButton)findViewById(R.id.imageButtonM11);
        i12=(ImageButton)findViewById(R.id.imageButtonM12);
        i13=(ImageButton)findViewById(R.id.imageButtonM13);
        b1=(Button)findViewById(R.id.buttonLogout);
        il.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent i= new Intent(Menu.this, Calci.class);
                startActivity(i);
                finish();
        });
        i2.setOnClickListener(new View.OnClickListener() {
```

```
@Override
    public void onClick(View v) {
        Intent j= new Intent (Menu.this, Torch.class);
        startActivity(j);
        finish();
});
i3.setOnClickListener(new View.OnClickListener() {
    public void onClick(View v) {
        Intent k= new Intent(Menu.this,Bluetooth.class);
        startActivity(k);
        finish();
});
i4.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        Intent l=new Intent(Menu.this, Camera.class);
        startActivity(1);
        finish();
});
i5.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        Intent m= new Intent(Menu.this,Music.class);
        startActivity(m);
        finish();
});
i6.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        v1 = (Vibrator) getSystemService(VIBRATOR SERVICE);
        if (Build.VERSION.SDK INT > 26) {
            v1.vibrate(500);
        } else {
            v1.vibrate(50);
});
i7.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        Intent o= new Intent(Menu.this, Browser.class);
        startActivity(o);
        finish();
});
i8.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        Intent p=new Intent (Menu.this, Vedio.class);
        startActivity(p);
        finish();
});
i9.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        Intent q= new Intent(Menu.this, Wifi.class);
        startActivity(q);
```

```
finish();
            }
        });
        i10.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent r=new Intent(Menu.this, CameraVedio.class);
                startActivity(r);
                finish();
        });
        ill.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent s=new Intent(Menu.this,Call.class);
                startActivity(s);
                finish();
        });
        i12.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent t=new Intent(Menu.this, Message.class);
                startActivity(t);
                finish();
        });
        i13.setOnClickListener(new View.OnClickListener() {
            public void onClick(View v) {
                Intent u=new Intent(Menu.this, Feedback.class);
                startActivity(u);
                finish();
        });
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                GoogleSignInClient googleSignInClient =
GoogleSignIn.getClient(Menu.this, GoogleSignInOptions.DEFAULT SIGN IN);
                googleSignInClient.signOut().addOnCompleteListener(new
OnCompleteListener<Void>() {
                    @Override
                    public void onComplete(Task<Void> task) {
                        if (task.isSuccessful()) {
                            Toast.makeText(Menu.this, "Logout",
Toast.LENGTH SHORT).show();
                             firebaseAuth.signOut();
                            finish();
                        Intent i= new Intent(Menu.this, MainActivity.class);
                        startActivity(i);
                        finish();
               });
            }
       });
    }
}
```

After Click On Browser Icon

activity_browser.xml

```
<?xml version="1.0" encoding="utf-8"?>
<ScrollView xmlns:android="http://schemas.android.com/apk/res/android"</pre>
    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=".Browser">
<RelativeLayout
                                                             NetCamp Project
    android:layout width="match parent"
    android:layout height="match parent">
        android:id="@+id/webViewBR"
                                                                                      SEARCH
        android:layout_width="match_parent"
        android:layout_height="391dp"
        android:layout_below="@+id/buttonBR"
        android:layout alignParentStart="true"
        android:layout alignParentEnd="true"
        android:layout marginStart="0dp"
        android:layout marginTop="16dp"
        android:layout marginEnd="0dp" >
    </WebView>
   <EditText
        android:id="@+id/editTextBR"
        android:layout width="match parent"
        android:layout_height="wrap content"
        android:layout_alignParentStart="true"
        android:layout_alignParentTop="true"
        android:layout marginStart="0dp"
        android:layout marginTop="22dp"
android:background="@android:color/holo_orange_dark"
        android:ems="10"
        android:hint="Enter For Search"
                                                                         BACK TO MENU
        android:inputType="textPersonName"
        android:textSize="20sp" />
    <Button
        android:id="@+id/buttonBR"
        android:layout width="wrap content"
        android:layout_height="wrap content"
        android:layout_below="@+id/editTextBR"
        android:layout_alignParentEnd="true"
        android:layout_marginTop="3dp"
        android:layout marginEnd="21dp"
        android:backgroundTint="@android:color/holo blue bright"
        android:text="Search" />
   <Button
        android:id="@+id/buttonBR2"
        android:layout width="match parent"
        android:layout height="wrap content"
        android:layout below="@+id/webViewBR"
        android:layout centerHorizontal="true"
        android:layout marginTop="30dp"
        android:backgroundTint="@color/purple 200"
        android:text="Back to Menu" />
</RelativeLayout>
</scrollView>
```

Browser.java

```
package com.example.netcampproject;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.webkit.WebView;
import android.widget.Button;
import android.widget.EditText;
import androidx.appcompat.app.AppCompatActivity;
public class Browser extends AppCompatActivity {
    @Override
   protected void onCreate(Bundle savedInstanceState) {
        Button b1,b2;
        WebView wb;
       EditText e1;
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity browser);
        getWindow().setBackgroundDrawableResource(R.drawable.br);
        b1=(Button) findViewById(R.id.buttonBR);
        b2=(Button)findViewById(R.id.buttonBR2);
        e1=(EditText) findViewById(R.id.editTextBR);
        wb=(WebView) findViewById(R.id.webViewBR);
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                String s1=e1.getText().toString().trim();
                wb.loadUrl(s1);
        });
        b2.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent i= new Intent(Browser.this, Menu.class);
                startActivity(i);
                finish();
       });
   }
}
```

After Click On Vedio Icon

Activity_camera_vedio.xml

```
<?xml version="1.0" encoding="utf-8"?>
<ScrollView xmlns:android="http://schemas.android.com/apk/res/android"</pre>
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout width="match parent"
                                                                                 ·☆· 3.00 奈 Wa ... | ... | 15
    android:layout height="match parent"
    tools:context=".CameraVedio">
                                                              NetCamp Project
<RelativeLayout
   android:layout width="match parent"
    android:layout height="match parent">
    <Button
        android:id="@+id/buttonCV"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout below="@+id/videoViewCV"
        android:layout alignParentStart="true"
        android:layout alignParentEnd="true"
        android:layout marginTop="45dp"
android:backgroundTint="@android:color/holo blue bright"
        android:text="Click Here to Capture Vedio" />
    <Button
        android:id="@+id/buttonCV2"
        android:layout width="match parent"
        android:layout_height="wrap_content"
        android:layout_below="@+id/buttonCV"
        android:layout_alignParentStart="true"
        android:layout marginTop="30dp"
        android:backgroundTint="@color/purple 200"
        android:text="Back To Menu" />
                                                                    CLICK HERE TO CAPTURE VEDIO
    <VideoView
        android:id="@+id/videoViewCV"
        android:layout width="392dp"
                                                                         BACK TO MENU
        android:layout height="387dp"
        android:layout_alignParentStart="true"
        android:layout_alignParentTop="true"
        android:layout_centerHorizontal="true"
        android:layout_marginStart="10dp"
        android:layout_marginTop="10dp" />
    </RelativeLayout>
</ScrollView>
```

Camera Vedio. java

```
package com.example.netcampproject;
import android.content.Intent;
import android.net.Uri;
import android.os.Bundle;
import android.provider.MediaStore;
import android.view.View;
import android.widget.Button;
import android.widget.MediaController;
import android.widget.Toast;
import android.widget.VideoView;
import androidx.annotation.Nullable;
import androidx.appcompat.app.AppCompatActivity;
public class CameraVedio extends AppCompatActivity {
   Button b1,b2;
   Uri u1;
   MediaController m1;
   VideoView v1;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity camera vedio);
        getWindow().setBackgroundDrawableResource(R.drawable.vi);
        b1=(Button) findViewById(R.id.buttonCV);
        b2=(Button)findViewById(R.id.buttonCV2);
        v1=(VideoView) findViewById(R.id.videoViewCV);
        m1=new MediaController(this);
        b2.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                v1.pause();
                Intent i= new Intent(CameraVedio.this, Menu.class);
                startActivity(i);
                finish();
        });
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent j= new Intent(MediaStore.ACTION VIDEO CAPTURE);
                startActivityForResult(j,100);
        });
    }
    @Override
   protected void onActivityResult(int requestCode, int resultCode, @Nullable
@org.jetbrains.annotations.Nullable Intent data) {
        super.onActivityResult(requestCode, resultCode, data);
        if (requestCode==100) {
            u1=data.getData();
            v1.setVideoURI(u1);
            m1.setAnchorView(v1);
            v1.setMediaController(m1);
```

```
v1.start();
}else {
    Toast.makeText(this, "Please Capture Vedio", Toast.LENGTH_SHORT).show();
}
}
```

After Click On Wifi Icon

activity_wifi.xml

```
<?xml version="1.0" encoding="utf-8"?>
<ScrollView xmlns:android="http://schemas.android.com/apk/res/android"</pre>
    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=".Wifi">
<RelativeLayout
   android:layout_width="match parent"
    android:layout height="match parent">
    <Button
        android:id="@+id/buttonW"
        android:layout_width="wrap content"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout alignParentTop="true"
        android:layout alignParentEnd="true"
        android:layout centerHorizontal="true"
        android:layout marginStart="96dp"
        android:layout marginTop="71dp"
        android:layout marginEnd="107dp"
android:backgroundTint="@android:color/holo_blue_bright"
        android:text="Wifi Off" />
    <Button
        android:id="@+id/buttonW2"
        android:layout width="wrap content"
        android:layout_height="wrap_content"
        android:layout below="@+id/imageViewW"
        android:layout alignParentStart="true"
        android:layout alignParentEnd="true"
        android:layout centerHorizontal="true"
        android:layout marginStart="97dp"
        android:layout marginTop="63dp"
        android:layout marginEnd="106dp"
android:backgroundTint="@android:color/holo_blue_bright"
       android:text="Wifi ON" />
    <Button
        android:id="@+id/buttonW3"
        android:layout width="wrap content"
        android:layout_height="wrap_content"
        android:layout below="@+id/buttonW2"
        android:layout centerHorizontal="true"
        android:layout marginTop="57dp"
        android:backgroundTint="@color/purple_200"
        android:text="Back to Menu" />
    <ImageView
        android:id="@+id/imageViewW"
        android:layout width="396dp"
        android:layout_height="228dp"
        android:layout_below="@+id/buttonW"
        android:layout alignParentStart="true"
```



```
android:layout_alignParentEnd="true"
android:layout_centerHorizontal="true"
android:layout_marginStart="-5dp"
android:layout_marginTop="40dp"
android:layout_marginEnd="5dp"
app:srcCompat="@drawable/woff" />
</RelativeLayout>
</ScrollView>
```

Wifi.java

```
package com.example.netcampproject;
import android.content.Intent;
import android.net.wifi.WifiManager;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.ImageView;
import androidx.appcompat.app.AppCompatActivity;
public class Wifi extends AppCompatActivity {
   Button b1,b2,b3;
    ImageView i1;
   WifiManager wm;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity wifi);
        getWindow().setBackgroundDrawableResource(R.drawable.wifi);
        b1=(Button)findViewById(R.id.buttonW);
        b2=(Button)findViewById(R.id.buttonW2);
        b3=(Button)findViewById(R.id.buttonW3);
        i1=(ImageView) findViewById(R.id.imageViewW);
        wm=(WifiManager)getApplicationContext().getSystemService(WIFI SERVICE);
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                wm.setWifiEnabled(false);
                i1.setImageResource(R.drawable.woff);
        });
        b2.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                wm.setWifiEnabled(true);
                i1.setImageResource(R.drawable.wo);
        });
        b3.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent i = new Intent(Wifi.this, Menu.class);
                startActivity(i);
                finish();
       });
    }
}
```

❖ After Click On VedioPlayer Icon

activity_vedio.xml

```
<?xml version="1.0" encoding="utf-8"?>
<ScrollView xmlns:android="http://schemas.android.com/apk/res/android"</pre>
    xmlns:app="http://schemas.android.com/apk/res-
auto"
                                                                             «Δ» 5.00 🤶 ₩a ...l ...l 🖽
   xmlns:tools="http://schemas.android.com/tools"
    android:layout width="wrap content"
                                                       NetCamp Project
    android:layout_height="match parent"
    android:hapticFeedbackEnabled="false"
    tools:context=".Vedio">
<RelativeLayout
   android:layout width="match parent"
    android:layout height="match parent">
        android:id="@+id/buttonVE3"
        android:layout width="match parent"
        android:layout height="wrap content"
        android:layout_below="@+id/videoViewVE"
        android:layout alignParentStart="true"
        android:layout marginTop="50dp"
        android:backgroundTint="@color/purple 200"
        android:text="Back to Menu" />
    <VideoView
        android:id="@+id/videoViewVE"
        android:layout width="386dp"
        android:layout_height="489dp"
        android:layout_alignParentStart="true"
        android:layout_alignParentTop="true"
        android:layout_alignParentEnd="true"
        android:layout centerHorizontal="true"
        android:layout_marginStart="10dp"
        android:layout marginTop="10dp"
        android:layout marginEnd="10dp" />
    </RelativeLayout>
</scrollView>
                                                                     BACK TO MENU
```

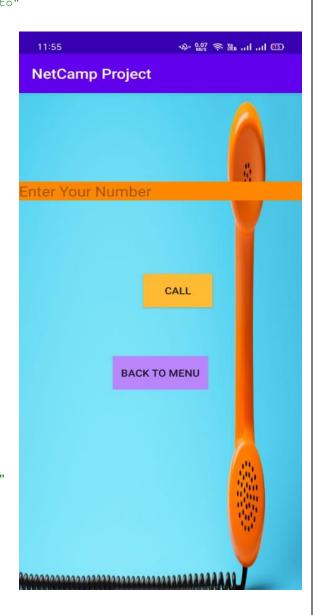
Vedio.java

```
package com.example.netcampproject;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.MediaController;
import android.widget.VideoView;
import androidx.appcompat.app.AppCompatActivity;
public class Vedio extends AppCompatActivity {
   Button b1;
   VideoView v1;
   MediaController m1;
    @Override
   protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity vedio);
        getWindow().setBackgroundDrawableResource(R.drawable.v);
        b1=(Button) findViewById(R.id.buttonVE3);
        v1=(VideoView) findViewById(R.id.videoViewVE);
       m1=new MediaController(this);
       v1.setVideoPath("android.resource://"+getPackageName()+"/"+R.raw.p);
       v1.setMediaController(m1);
       m1.setAnchorView(v1);
        v1.start();
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                v1.pause();
                Intent i = new Intent(Vedio.this, Menu.class);
                startActivity(i);
                finish();
       });
   }
}
```

After Click On Phone Icon

activity_call.xml

```
<?xml version="1.0" encoding="utf-8"?>
<ScrollView xmlns:android="http://schemas.android.com/apk/res/android"</pre>
    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=".Call">
    <RelativeLayout
    android:layout width="match parent"
    android:layout height="match parent">
    <EditText
        android:id="@+id/editTextP"
        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="127dp"
android:background="@android:color/holo orange dark"
        android:ems="10"
        android:hint="Enter Your Number"
        android:inputType="number"
        android:textSize="20sp" />
    <Button
        android:id="@+id/buttonP"
        android:layout width="wrap content"
        android: layout height="wrap content"
        android:layout below="@+id/editTextP"
        android:layout alignParentStart="true"
        android:layout alignParentLeft="true"
        android:layout_centerHorizontal="true"
        android:layout_marginStart="158dp"
        android:layout_marginLeft="158dp"
        android:layout marginTop="105dp"
android:background="@android:color/holo orange light"
        android:text="Call" />
    <Button
        android:id="@+id/buttonP2"
        android:layout width="121dp"
        android:layout height="wrap content"
        android:layout below="@+id/buttonP"
        android:layout alignParentLeft="false"
        android:layout alignParentTop="false"
        android:layout_alignParentEnd="false"
        android:layout_alignParentRight="false"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="70dp"
        android:background="@color/purple 200"
        android:text="Back to Menu" />
    </RelativeLayout>
</ScrollView>
```



Call.java

```
`package com.example.netcampproject;
import android.content.Intent;
import android.net.Uri;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;
import androidx.appcompat.app.AppCompatActivity;
public class Call extends AppCompatActivity {
   EditText e1;
   Button b1,b2;
   String s1;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_call);
        getWindow().setBackgroundDrawableResource(R.drawable.call);
        e1=(EditText) findViewById(R.id.editTextP);
        b1=(Button)findViewById(R.id.buttonP);
        b2=(Button)findViewById(R.id.buttonP2);
        b2.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent i= new Intent(Call.this, Menu.class);
                startActivity(i);
                finish();
        });
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                s1 = e1.getText().toString();
                if(s1.isEmpty()){
                    Toast.makeText(Call.this, "Please Enter Number",
Toast.LENGTH SHORT).show();
                }else {
                    Intent i = new Intent(Intent.ACTION DIAL);
                    i.setData(Uri.parse("tel:" + s1));
                    startActivity(i);
                    finish();
                }
            }
       });
   }
}
```

After Click On Message Icon

activity_message.xml

```
<?xml version="1.0" encoding="utf-8"?>
<ScrollView xmlns:android="http://schemas.android.com/apk/res/android"</pre>
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
                                                          11:55
                                                                               «Δ» 0.00 ⊋ Yes ...l ...l (II5)
    android:layout width="match parent"
    android:layout height="match parent"
                                                         NetCamp Project
    tools:context=".Message">
<RelativeLayout
   android:layout width="match parent"
    android:layout height="match parent">
    <EditText
        android:id="@+id/editTextME"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
                                                             Your Number
        android:layout alignParentStart="true"
        android:layout alignParentTop="true"
        android:layout_alignParentRight="true"
                                                         nter Your Message
        android:layout marginTop="107dp"
android:background="@android:color/holo orange dark"
        android:ems="10"
        android:hint="Enter Your Number"
                                                                        SEND SMS
        android:inputType="number"
        android:textSize="20sp" />
    <EditText
        android:id="@+id/editTextME2"
        android:layout width="match parent"
                                                                      BACK TO MENU
        android:layout height="wrap content"
        android:layout_below="@+id/editTextME"
        android:layout alignParentStart="true"
        android:layout alignParentLeft="false"
        android:layout marginTop="30dp"
android:background="@android:color/holo orange dark"
        android:hint="Enter Your Message"
        android:inputType="textMultiLine"
        android:textSize="20sp" />
    <Button
        android:id="@+id/buttonME"
        android:layout width="wrap content"
        android:layout height="wrap_content"
        android:layout_below="@+id/editTextME2"
        android:layout centerHorizontal="true"
        android:layout marginLeft="95dp"
        android:layout marginTop="68dp"
        android:background="@android:color/holo orange light"
        android:text="Send SMS" />
    <Button
        android:id="@+id/buttonME2"
        android:layout_width="121dp"
        android:layout height="wrap content"
```

```
android:layout_below="@+id/buttonME"
android:layout_centerHorizontal="true"
android:layout_marginTop="60dp"
android:background="@color/purple_200"
android:text="Back to Menu" />
</RelativeLayout>
</ScrollView>
```

Message.java

```
package com.example.netcampproject;
import android. Manifest;
import android.content.Intent;
import android.content.pm.PackageManager;
import android.os.Bundle;
import android.telephony.SmsManager;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;
import androidx.appcompat.app.AppCompatActivity;
import androidx.core.app.ActivityCompat;
import androidx.core.content.ContextCompat;
public class Message extends AppCompatActivity {
         Button b1,b2;
         EditText e1,e2;
         String phoneNo;
          String message;
         private static final int PERMISSION RQST SEND = 0;
          @Override
          protected void onCreate(Bundle savedInstanceState) {
                    super.onCreate(savedInstanceState);
                    setContentView(R.layout.activity_message);
                    getWindow().setBackgroundDrawableResource(R.drawable.m);
                    b1=(Button) findViewById(R.id.buttonME);
                    b2=(Button)findViewById(R.id.buttonME2);
                    e1=(EditText) findViewById(R.id.editTextME);
                    e2=(EditText) findViewById(R.id.editTextME2);
                    b2.setOnClickListener(new View.OnClickListener() {
                              @Override
                              public void onClick(View v) {
                                        Intent i= new Intent(Message.this, Menu.class);
                                        startActivity(i);
                                        finish();
                    });
                    b1.setOnClickListener(new View.OnClickListener() {
                                        @Override
                                        public void onClick(View view) {
                                                   sendSMSMessage();
                              });
                    protected void sendSMSMessage() {
                              phoneNo = e1.getText().toString();
                              message = e2.getText().toString();
                              if (ContextCompat.checkSelfPermission(this, Manifest.permission.SEND SMS)
!= PackageManager. PERMISSION GRANTED) {
                                         \texttt{if} \quad (\texttt{ActivityCompat}. \textit{shouldShowRequestPermissionRationale} \, (\texttt{Message.this}, \texttt{activityCompat}. \texttt{shouldShowRequestPermissionRationale} \, (\texttt{activityCompat}. \texttt{activityCompat}. \texttt{activityComp
Manifest.permission.SEND SMS)) {
                                         } else {
                                                   ActivityCompat.requestPermissions(this, new
String[]{Manifest.permission.SEND SMS}, PERMISSION RQST SEND);
                              }else{
```

```
ActivityCompat.requestPermissions(this, new
String[]{Manifest.permission.SEND SMS}, PERMISSION RQST SEND);
        @Override
        public void onRequestPermissionsResult(int requestCode, String permissions[],
int[] grantResults) {
            super.onRequestPermissionsResult(requestCode, permissions, grantResults);
            switch (requestCode) {
                case PERMISSION RQST SEND: {
                    if (grantResults.length > 0 && grantResults[0] ==
PackageManager. PERMISSION GRANTED) {
                        SmsManager sm = SmsManager.getDefault();
                        sm.sendTextMessage(phoneNo, null, message, null, null);
                        Toast.makeText(getApplicationContext(), "SMS sent.",
Toast.LENGTH LONG).show();
                    } else {
                        Toast.makeText(getApplicationContext(), "SMS failed, you may
try again later.", Toast.LENGTH LONG).show();
                        return;
                }
           }
        }
```

After Click On Feedback Icon

activity_feedback.xml

```
<?xml version="1.0" encoding="utf-8"?>
<ScrollView xmlns:android="http://schemas.android.com/apk/res/android"</pre>
    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"
                                                                              «Δ» 0.00 ⊋ ‱ ...l ...l ⊞
    tools:context=".Feedback">
<RelativeLayout
                                                         NetCamp Project
    android:layout width="match parent"
    android:layout height="match parent">
    <EditText
        android:id="@+id/editTextF"
                                                        Enter Your Name
        android:layout width="match parent"
        android:layout height="wrap content"
                                                        Inter Your password
        android:layout alignParentStart="true"
        android:layout_alignParentLeft="true"
                                                        Enter Your Email ID
        android:layout_alignParentTop="true"
                                                        Enter Your Phone Number
        android:layout_alignParentEnd="true"
        android:layout marginTop="65dp"
android:background="@android:color/holo green light"
        android:ems="10"
                                                        Enter Your Feedback here
        android:hint="Enter Your Name"
        android:inputType="textPersonName"
        android:textSize="20sp" />
    <EditText
        android:id="@+id/editTextF2"
                                                                      SAVE FEEDBACK
        android:layout width="match parent"
        android:layout height="wrap content"
        android:layout_below="@+id/editTextF"
        android:layout_alignParentStart="true"
        android:layout_alignParentLeft="true"
                                                                       BACK TO MENU
        android:layout_alignParentEnd="true"
        android:layout marginTop="10dp"
        android:layout marginEnd="0dp"
android:background="@android:color/holo green light"
        android:ems="10"
        android:hint="Enter Your password"
        android:inputType="textPassword"
        android:textSize="20sp" />
    <EditText
        android:id="@+id/editTextF3"
        android:layout width="match parent"
        android:layout_height="wrap_content"
        android:layout_below="@+id/editTextF2"
        android:layout_alignParentStart="true"
        android:layout marginTop="10dp"
        android:background="@android:color/holo green light"
        android:ems="10"
        android:hint="Enter Your Email ID"
        android:inputType="textPersonName"
```

```
android:textSize="20sp" />
    <EditText
       android:id="@+id/editTextF4"
        android:layout width="match parent"
        android:layout height="wrap content"
        android:layout_below="@+id/editTextF3"
        android:layout_alignParentStart="true"
        android:layout_alignParentLeft="true"
        android:layout alignParentEnd="true"
        android:layout centerHorizontal="true"
        android:layout marginTop="10dp"
        android:layout marginEnd="0dp"
        android:background="@android:color/holo_green_light"
        android:ems="10"
        android:hint="Enter Your Phone Number"
        android:inputType="textPersonName"
        android:textSize="20sp" />
    <Button
        android:id="@+id/buttonF"
        android:layout_width="130dp"
        android:layout_height="wrap content"
        android:layout_below="@+id/editTextF5"
        android:layout alignParentStart="true"
        android:layout marginStart="124dp"
        android:layout_marginTop="50dp"
        android:background="@android:color/holo_red_light"
        android:text="Save Feedback" />
    <EditText
        android:id="@+id/editTextF5"
        android:layout width="match parent"
        android:layout height="109dp"
        android:layout_below="@+id/editTextF4"
        android:layout_alignParentStart="true"
        android:layout marginTop="20dp"
        android:background="@android:color/holo blue bright"
        android:ems="10"
        android:hint="Enter Your Feedback here"
        android:inputType="textMultiLine"
        android:textSize="20sp" />
    <Button
        android:id="@+id/buttonF2"
        android:layout width="119dp"
        android:layout height="wrap content"
        android:layout_below="@+id/buttonF"
        android:layout_alignParentStart="true"
        android:layout_centerHorizontal="true"
        android:layout_marginStart="135dp"
        android:layout marginTop="46dp"
        android:background="@color/purple 200"
        android:text="Back to Menu" />
    </RelativeLayout>
</ScrollView>
```

Feedback.java

```
package com.example.netcampproject;
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 androidx.appcompat.app.AppCompatActivity;
import com.google.firebase.database.DatabaseReference;
import com.google.firebase.database.FirebaseDatabase;
public class Feedback extends AppCompatActivity {
    EditText e1, e2, e3, e4, e5;
   Button b1,b2;
    FirebaseDatabase fd;
    DatabaseReference dr:
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity feedback);
        getWindow().setBackgroundDrawableResource(R.drawable.fe);
        e1=(EditText) findViewById(R.id.editTextF);
        e2=(EditText) findViewById(R.id.editTextF2);
        e3=(EditText) findViewById(R.id.editTextF3);
        e4=(EditText) findViewById(R.id.editTextF4);
        e5=(EditText)findViewById(R.id.editTextF5);
        b1=(Button) findViewById(R.id.buttonF);
        b2=(Button)findViewById(R.id.buttonF2);
        fd=FirebaseDatabase.getInstance();
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                dr= fd.getReference("users");
                String s1=e1.getText().toString();
                String s2=e2.getText().toString();
                String s3=e3.getText().toString();
                String s4=e4.getText().toString();
                String s5=e5.getText().toString();
                if (s4.length()!=10) {
                    Toast.makeText(Feedback.this, "Invalid Number",
Toast.LENGTH SHORT).show();
                    users users=new users(s1,s2,s3,s4,s5);
                    dr.child(s4).setValue(users);
                    Toast.makeText(Feedback.this, "Database Save",
Toast.LENGTH SHORT).show();
                }
        });
        b2.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
```

After Click On Logout Button

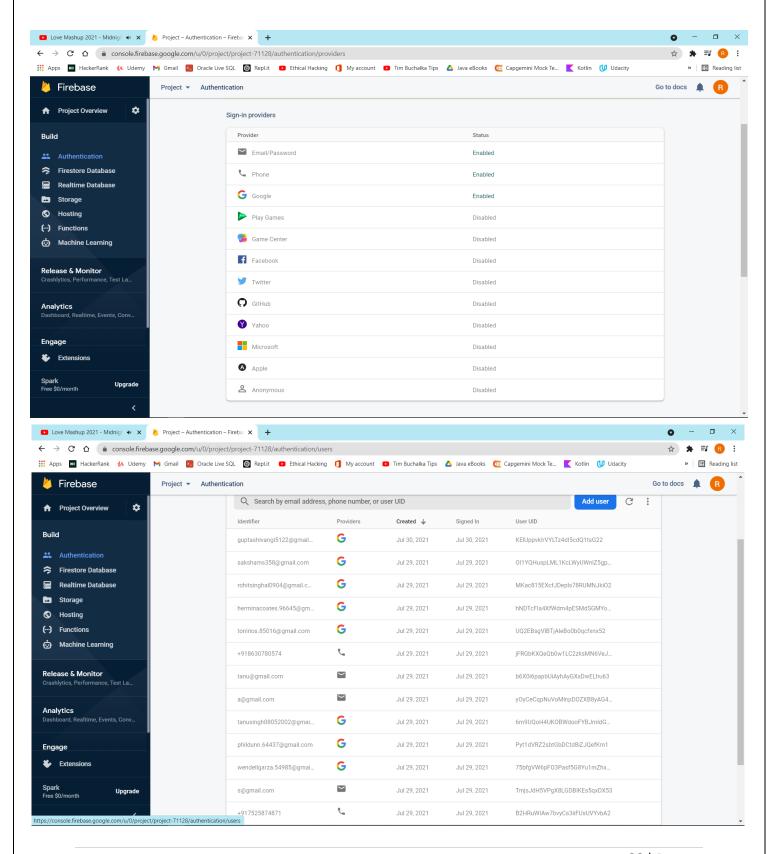
Menu.java (For Logout Button)

```
package com.example.netcampproject;
import android.content.Intent;
import android.os.Build;
import android.os.Bundle;
import android.os. Vibrator;
import android.view.View;
import android.widget.Button;
import android.widget.ImageButton;
import android.widget.Toast;
import androidx.appcompat.app.AppCompatActivity;
import com.google.android.gms.auth.api.signin.GoogleSignIn;
import com.google.android.gms.auth.api.signin.GoogleSignInClient;
import com.google.android.gms.auth.api.signin.GoogleSignInOptions;
import com.google.android.gms.tasks.OnCompleteListener;
import com.google.android.gms.tasks.Task;
import com.google.firebase.auth.FirebaseAuth;
public class Menu extends AppCompatActivity {
    ImageButton i1,i2,i3,i4,i5,i6,i7,i8,i9,i10,i11,i12,i13;
    Button b1;
   Vibrator v1;
    FirebaseAuth firebaseAuth;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity menu);
        getWindow().setBackgroundDrawableResource(R.drawable.fr);
        firebaseAuth=FirebaseAuth.getInstance();
        i1=(ImageButton) findViewById(R.id.imageButtonM);
        i2=(ImageButton) findViewById(R.id.imageButtonM2);
        i3=(ImageButton)findViewById(R.id.imageButtonM3);
        i4=(ImageButton)findViewById(R.id.imageButtonM4);
        i5=(ImageButton)findViewById(R.id.imageButtonM5);
        i6=(ImageButton) findViewById(R.id.imageButtonM6);
        i7=(ImageButton)findViewById(R.id.imageButtonM7);
        i8=(ImageButton) findViewById(R.id.imageButtonM8);
        i9=(ImageButton) findViewById(R.id.imageButtonM9);
        i10=(ImageButton)findViewById(R.id.imageButtonM10);
        i11=(ImageButton) findViewById(R.id.imageButtonM11);
        i12=(ImageButton) findViewById(R.id.imageButtonM12);
        i13=(ImageButton) findViewById(R.id.imageButtonM13);
        b1=(Button) findViewById(R.id.buttonLogout);
        i1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent i= new Intent (Menu.this, Calci.class);
                startActivity(i);
                finish();
        });
        i2.setOnClickListener(new View.OnClickListener() {
```

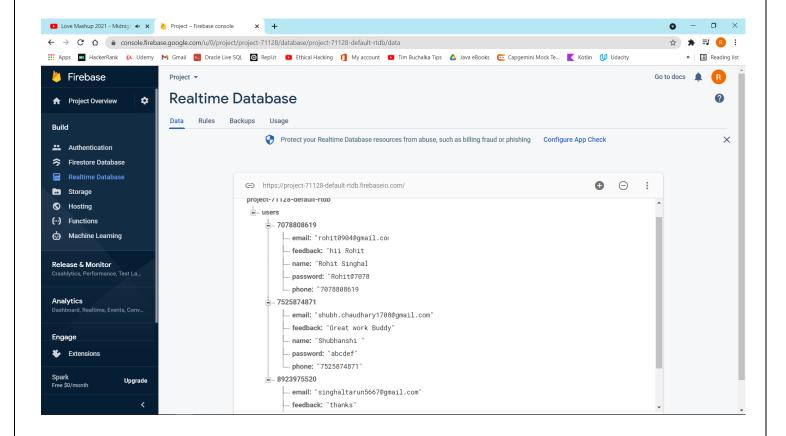
```
@Override
    public void onClick(View v) {
        Intent j= new Intent (Menu.this, Torch.class);
        startActivity(j);
        finish();
});
i3.setOnClickListener(new View.OnClickListener() {
    public void onClick(View v) {
        Intent k= new Intent(Menu.this,Bluetooth.class);
        startActivity(k);
        finish();
});
i4.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        Intent l=new Intent(Menu.this, Camera.class);
        startActivity(1);
        finish();
});
i5.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        Intent m= new Intent(Menu.this,Music.class);
        startActivity(m);
        finish();
});
i6.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        v1 = (Vibrator) getSystemService(VIBRATOR SERVICE);
        if (Build.VERSION.SDK INT > 26) {
            v1.vibrate(500);
        } else {
            v1.vibrate(50);
});
i7.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        Intent o= new Intent(Menu.this, Browser.class);
        startActivity(o);
        finish();
});
i8.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        Intent p=new Intent (Menu.this, Vedio.class);
        startActivity(p);
        finish();
});
i9.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        Intent q= new Intent(Menu.this, Wifi.class);
        startActivity(q);
```

```
finish();
            }
        });
        i10.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent r=new Intent(Menu.this, CameraVedio.class);
                startActivity(r);
                finish();
        });
        ill.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent s=new Intent(Menu.this,Call.class);
                startActivity(s);
                finish();
        });
        i12.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent t=new Intent(Menu.this, Message.class);
                startActivity(t);
                finish();
        });
        i13.setOnClickListener(new View.OnClickListener() {
            public void onClick(View v) {
                Intent u=new Intent(Menu.this, Feedback.class);
                startActivity(u);
                finish();
        });
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                GoogleSignInClient googleSignInClient =
GoogleSignIn.getClient(Menu.this, GoogleSignInOptions.DEFAULT SIGN IN);
                googleSignInClient.signOut().addOnCompleteListener(new
OnCompleteListener<Void>() {
                    @Override
                    public void onComplete(Task<Void> task) {
                        if (task.isSuccessful()) {
                            Toast.makeText(Menu.this, "Logout",
Toast.LENGTH SHORT).show();
                             firebaseAuth.signOut();
                            finish();
                        Intent i= new Intent(Menu.this, MainActivity.class);
                        startActivity(i);
                        finish();
               });
            }
       });
    }
}
```

Firebase Window



Realtime Database



AndroidManifest.xml

```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"</pre>
   package="com.example.netcampproject">
    <uses-permission android:name="android.permission.BLUETOOTH ADMIN" />
    <uses-permission android:name="android.permission.INTERNET" />
    <uses-permission android:name="android.permission.BLUETOOTH" />
    <uses-permission android:name="android.permission.BLUETOOTH ADMIN" />
    <uses-permission android:name="android.permission.VIBRATE" />
    <uses-permission android:name="android.permission.CHANGE WIFI STATE" />
    <uses-permission android:name="android.permission.ACCESS WIFI STATE" />
    <uses-permission android:name="android.permission.CALL PHONE" />
    <uses-permission android:name="android.permission.RECEIVE SMS" />
    <uses-permission android:name="android.permission.SEND SMS" />
    <application
        android:allowBackup="true"
        android:icon="@drawable/p"
        android:label="@string/app name"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportsRtl="true"
        android:theme="@style/Theme.NetCampProject">
        <activity android:name=".Feedback"></activity>
        <activity android:name=".Message" />
        <activity
            android:name=".Call"
            android:screenOrientation="portrait" />
        <activity
            android:name=".CameraVedio"
            android:screenOrientation="portrait" />
        <activity
            android:name=".Wifi"
            android:screenOrientation="portrait" />
        <activity
            android:name=".Vedio"
            android:screenOrientation="portrait" />
        <activity
            android:name=".Browser"
            android:screenOrientation="portrait" />
        <activity
            android:name=".Music"
            android:screenOrientation="portrait" />
        <activity
            android:name=".Camera"
            android:screenOrientation="portrait" />
        <activity
            android:name=".Bluetooth"
            android:screenOrientation="portrait" />
        <activity
            android:name=".Torch"
            android:screenOrientation="portrait" />
        <activity
            android:name=".Calci"
            android:screenOrientation="portrait" />
        <activity
            android:name=".Normal"
            android:screenOrientation="portrait" />
        <activity
            android:name=".Otp"
```

```
android:screenOrientation="portrait" />
        <activity
           android:name=".Menu"
           android:screenOrientation="portrait" />
        <activity
           android:name=".LoginOffline"
            android:screenOrientation="portrait" />
        <activity
           android:name=".Offline"
            android:screenOrientation="portrait" />
        <activity
            android:name=".GmailLogin"
            android:screenOrientation="portrait" />
        <activity
            android:name=".NormalLogin"
            android:screenOrientation="portrait" />
        <activity
           android:name=".OtpLogin"
           android:screenOrientation="portrait" />
        <activity android:name=".MainActivity">
           <intent-filter>
                <action android:name="android.intent.action.MAIN" />
                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
    </application>
</manifest>
```

build.gradle (Project : NetCamp_Project)

```
// Top-level build file where you can add configuration options common to all sub-
projects/modules.
buildscript {
    repositories {
        google()
        mavenCentral()
    }
    dependencies {
        classpath "com.android.tools.build:gradle:4.2.2"
        classpath 'com.google.gms:google-services:4.3.8'
        // NOTE: Do not place your application dependencies here; they belong
        // in the individual module build.gradle files
    }
}
allprojects {
   repositories {
        google()
        mavenCentral()
        jcenter() // Warning: this repository is going to shut down soon
    }
}
task clean(type: Delete) {
   delete rootProject.buildDir
```

Build.gradle (Module : NetCamp_Project.app)

```
plugins {
    id 'com.android.application'
android {
    compileSdkVersion 30
   buildToolsVersion "30.0.3"
    defaultConfig {
        applicationId "com.example.netcampproject"
        minSdkVersion 23
        targetSdkVersion 28
        versionCode 1
        versionName "1.0"
        testInstrumentationRunner "androidx.test.runner.AndroidJUnitRunner"
    }
   buildTypes {
        release {
           minifyEnabled false
            proguardFiles getDefaultProguardFile('proguard-android-optimize.txt'),
'proquard-rules.pro'
    compileOptions {
        sourceCompatibility JavaVersion.VERSION 1 8
        targetCompatibility JavaVersion.VERSION 1 8
   buildFeatures {
       viewBinding true
dependencies {
    implementation 'androidx.appcompat:appcompat:1.3.0'
    implementation 'com.google.android.material:material:1.4.0'
    implementation 'androidx.constraintlayout:constraintlayout:2.0.4'
    implementation 'androidx.navigation:navigation-fragment:2.3.5'
    implementation 'androidx.navigation:navigation-ui:2.3.5'
    implementation 'com.google.firebase:firebase-auth:21.0.1'
    implementation 'com.google.firebase:firebase-database:20.0.0'
    testImplementation 'junit:junit:4.+'
    implementation platform('com.google.firebase:firebase-bom:28.3.0')
    implementation 'com.google.firebase:firebase-analytics'
    androidTestImplementation 'androidx.test.ext:junit:1.1.3'
    androidTestImplementation 'androidx.test.espresso:espresso-core:3.4.0'
dependencies {
    implementation 'com.google.android.gms:play-services-auth:19.2.0'
    implementation 'com.github.bumptech.glide:glide:4.12.0'
    implementation 'org.jetbrains:annotations:15.0'
    implementation 'com.hbb20:ccp:2.5.3'
apply plugin: 'com.google.gms.google-services'
```



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