

Mobile Application Development Lab

Course Outcome 2

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20MCA321

GitHub Link: <https://github.com/TKM-MCA-2020-MOBILE-DEV-LAB/20MCA221-JOMIN-K-MATHEW/tree/master/Course%20Outcome%202>

1. Design a registration activity and store registration details in local memory of phone using Intents and SharedPreferences.

Activity_main.xml:

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    tools:context=".MainActivity" >
    <TextView
        android:id="@+id/textView"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:fontFamily="@font/baloo_tamma"
        android:text="Registration Detail"
        android:textColor="#674646"
        android:textSize="20sp" />
    <EditText
        android:id="@+id/name"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:ems="10"
        android:hint="Enter the name"
        android:inputType="textPersonName" />
    <EditText
        android:id="@+id/num"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:ems="10"
        android:hint="Enter the phone number"
        android:inputType="phone" />
    <EditText
        android:id="@+id/email"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:ems="10"
        android:hint="Enter the email"
        android:inputType="textEmailAddress" />
    <Button
        android:id="@+id/button"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
```

```
android:onClick="onSubmit"
android:text="Submit"
tools:ignore="OnClick" />
</LinearLayout>
```

Activity_main3.xml:

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical" >
    <TextView
        android:id="@+id/textView4"
        android:layout_width="match_parent"
        android:layout_height="35dp"
        android:fontFamily="@font/autour_one"
        android:text="Submitted Details"
        android:textColor="#9A4848"
        android:textSize="20sp" />
    <TextView
        android:id="@+id/text1"
        android:layout_width="match_parent"
        android:layout_height="39dp"
        android:text="TextView" />
    <TextView
        android:id="@+id/text2"
        android:layout_width="match_parent"
        android:layout_height="44dp"
        android:text="TextView" />
    <TextView
        android:id="@+id/text3"
        android:layout_width="match_parent"
        android:layout_height="52dp"
        android:text="TextView" />
    <Button
        android:id="@+id/button2"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:onClick="onSubmit"
        android:text="Back" />
</LinearLayout>
```

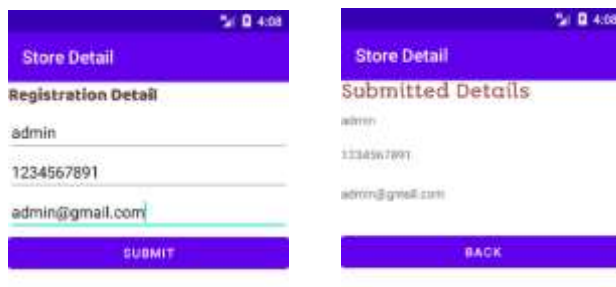
MainActivity.java:

```
package com.example.storedetail;
import androidx.appcompat.app.AppCompatActivity;
import android.content.Intent;
import android.content.SharedPreferences;
import android.os.Bundle;
import android.view.View;
import android.widget.EditText;
public class MainActivity extends AppCompatActivity {
    String Name,Phone,Email;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }
    public void onSubmit(View view){
        EditText name = (EditText) findViewById(R.id.name);
        EditText phone = (EditText) findViewById(R.id.num);
        EditText email = (EditText) findViewById(R.id.email);
        Intent i = new Intent(getApplicationContext(),MainActivity3.class);
        Name= name.getText().toString();
        Phone = phone.getText().toString();
        Email = email.getText().toString();
        SharedPreferences sharedPreferences =
        getSharedPreferences("MySharedPref",MODE_PRIVATE);
        SharedPreferences.Editor myEdit = sharedPreferences.edit();
        myEdit.putString("name", name.getText().toString());
        myEdit.putString("phone", phone.getText().toString());
        myEdit.putString("email", email.getText().toString());
        myEdit.apply();
        i.putExtra("Name",Name);
        i.putExtra("Phone",Phone);
        i.putExtra("Email",Email);
        startActivity(i);
    }
    @Override
    protected void onResume() {
        super.onResume();
        EditText name = (EditText) findViewById(R.id.name);
        EditText phone = (EditText) findViewById(R.id.num);
        EditText email = (EditText) findViewById(R.id.email);
        SharedPreferences sh = getSharedPreferences("MySharedPref", MODE_PRIVATE);
        name.setText(sh.getString("name",""));
        phone.setText(sh.getString("phone",""));
        email.setText(sh.getString("email","")); } }
```

MainActivity3.java:

```
package com.example.storedetail;
import androidx.appcompat.app.AppCompatActivity;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.EditText;
import android.widget.TextView;
import android.widget.Button;
public class MainActivity3 extends AppCompatActivity {
    Button b1;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main3);
        TextView t1 = (TextView) findViewById(R.id.text1);
        TextView t2 = (TextView) findViewById(R.id.text2);
        TextView t3 = (TextView) findViewById(R.id.text3);
        Bundle extras = getIntent().getExtras();
        String text1 = extras.getString("Name");
        String text2 = extras.getString("Phone");
        String text3 = extras.getString("Email");
        t1.setText(text1);
        t2.setText(text2);
        t3.setText(text3);
    }
    public void onSubmit(View view) {
        Intent i = new Intent(getApplicationContext(), MainActivity.class);
        startActivity(i);
    }
}
```

Output:



2. Design a simple Calculator using GridLayout and Cascaded LinearLayout.

Activity_main.xml:

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
xmlns:app="http://schemas.android.com/apk/res-auto"
xmlns:tools="http://schemas.android.com/tools"
android:layout_width="match_parent"
android:layout_height="match_parent"
android:background="#FFFFFF"
tools:context=".MainActivity">
<android.widget.GridLayout
android:id="@+id/gridLayout"
android:layout_width="398dp"
android:layout_height="496dp"
android:layout_marginStart="1dp"
android:layout_marginTop="52dp"
android:layout_marginEnd="1dp"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="1.0"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toBottomOf="@+id/edt1">
<Button
android:id="@+id/button2"
android:layout_width="wrap_content"
android:layout_height="60dp"
android:text="C"
android:textSize="20sp"
app:layout_column="0"
app:layout_row="0" />
<Button
android:id="@+id/button3"
android:layout_width="wrap_content"
android:layout_height="60dp"
android:text="( )"
android:textSize="20sp"
app:layout_column="1"
app:layout_row="0" />
<Button
android:id="@+id/button4"
android:layout_width="wrap_content"
android:layout_height="60dp"
android:text="%"
android:textSize="20sp"
```

```
app:layout_column="2"
app:layout_row="0" />
<Button
    android:id="@+id/button5"
    android:layout_width="wrap_content"
    android:layout_height="59dp"
    android:layout_row="0"
    android:layout_column="3"
    android:text="/"
    android:textSize="20sp"
    app:layout_column="3"
    app:layout_row="0" />
<Button
    android:id="@+id/button6"
    android:layout_width="91dp"
    android:layout_height="59dp"
    android:layout_row="1"
    android:layout_column="0"
    android:text="7"
    android:textSize="20sp"
    app:layout_column="0"
    app:layout_row="1" />
<Button
    android:id="@+id/button7"
    android:layout_width="wrap_content"
    android:layout_height="60dp"
    android:layout_row="2"
    android:layout_column="0"
    android:text="4"
    android:textSize="20sp"
    app:layout_column="0"
    app:layout_row="2" />
<Button
    android:id="@+id/button8"
    android:layout_width="wrap_content"
    android:layout_height="61dp"
    android:layout_row="3"
    android:layout_column="0"
    android:text="1"
    android:textSize="20sp"
    app:layout_column="0"
    app:layout_row="3" />
<Button
    android:id="@+id/button9"
    android:layout_width="wrap_content"
    android:layout_height="59dp"
```

```
android:layout_row="4"
android:layout_column="2"
android:text="Del"
android:textSize="20sp"
app:layout_column="0"
app:layout_row="4" />
```

```
<Button
android:id="@+id/button10"
android:layout_width="wrap_content"
android:layout_height="61dp"
android:layout_row="1"
android:layout_column="1"
android:text="8"
android:textSize="20sp"
app:layout_column="1"
app:layout_row="1" />
```

```
<Button
android:id="@+id/button11"
android:layout_width="wrap_content"
android:layout_height="59dp"
android:layout_row="1"
android:layout_column="2"
android:text="9"
android:textSize="20sp"
app:layout_column="2"
app:layout_row="1" />
```

```
<Button
android:id="@+id/button12"
android:layout_width="wrap_content"
android:layout_height="62dp"
android:layout_row="1"
android:layout_column="3"
android:text="*"
android:textSize="20sp"
app:layout_column="3"
app:layout_row="1" />
```

```
<Button
android:id="@+id/button13"
android:layout_width="wrap_content"
android:layout_height="61dp"
android:layout_row="2"
android:layout_column="1"
```



```
android:text="5"
android:textSize="20sp"
app:layout_column="1"
app:layout_row="2" />
<Button
android:id="@+id/button14"
android:layout_width="wrap_content"
android:layout_height="64dp"
android:layout_row="3"
android:layout_column="1"
android:text="2"
android:textSize="20sp"
app:layout_column="1"
app:layout_row="3" />
<Button
android:id="@+id/button15"
android:layout_width="wrap_content"
android:layout_height="60dp"
android:layout_row="4"
android:layout_column="0"
android:text="0"
android:textSize="20sp"
app:layout_column="1"
app:layout_row="4" />
<Button
android:id="@+id/button16"
android:layout_width="wrap_content"
android:layout_height="60dp"
android:layout_row="2"
android:layout_column="2"
android:text="6"
android:textSize="20sp"
app:layout_column="2"
app:layout_row="2" />
<Button
android:id="@+id/button17"
android:layout_width="wrap_content"
android:layout_height="61dp"
android:layout_row="2"
android:layout_column="3"
android:text="-"
android:textSize="20sp"
app:layout_column="3"
app:layout_row="2" />
<Button
android:id="@+id/button18"
```

```
android:layout_width="wrap_content"
android:layout_height="59dp"
android:layout_row="3"
android:layout_column="2"
android:text="3"
android:textSize="20sp"
app:layout_column="2"
app:layout_row="3" />
<Button
android:id="@+id/button19"
android:layout_width="wrap_content"
android:layout_height="62dp"
android:layout_row="4"
android:layout_column="1"
android:text="."
android:textSize="24sp"
app:layout_column="2"
app:layout_row="4" />
<Button
android:id="@+id/button20"
android:layout_width="wrap_content"
android:layout_height="61dp"
android:layout_row="3"
android:layout_column="3"
android:text="+"
android:textSize="20sp"
app:layout_column="3"
app:layout_row="3" />
<Button
android:id="@+id/button21"
android:layout_width="wrap_content"
android:layout_height="60dp"
android:layout_row="4"
android:layout_column="3"
android:text="="
android:textSize="20sp"
app:layout_column="3"
app:layout_row="4" />
</android.widget.GridLayout>
<EditText
android:id="@+id/edt1"
android:layout_width="423dp"
android:layout_height="93dp"
android:layout_marginTop="140dp"
android:layout_marginBottom="95dp"
android:background="#FFFFFF"
```

```

android:backgroundTint="#D3D1D1"
android:textSize="34sp"
app:layout_constraintBottom_toTopOf="@+id/gridLayout"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.0"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="1.0"
tools:ignore="MissingConstraints" />
<EditText
android:id="@+id/editTextTextPersonName2"
android:layout_width="411dp"
android:layout_height="98dp"
android:layout_marginStart="1dp"
android:layout_marginTop="15dp"
android:layout_marginBottom="42dp"
android:background="#FFFFFF"
android:ems="10"
android:fontFamily="@font/anton"
android:foregroundGravity="center"
android:gravity="center"
android:inputType="textPersonName"
android:text="Calculator"
android:textColor="#42A3F6"
android:textSize="50sp"
android:textStyle="bold"
app:layout_constraintBottom_toTopOf="@+id/edt1"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.25"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="1.0" />
</androidx.constraintlayout.widget.ConstraintLayout>

```

MainActivity.java:

```

package com.example.calculatorgrid;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import androidx.appcompat.app.AppCompatActivity;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
public class MainActivity extends AppCompatActivity {
    Button button0, button1, button2, button3, button4, button5, button6,
    button7, button8, button9, buttonAdd, buttonSub, buttonDivision,

```

```

buttonMul, buttond, buttonC, buttonEqual, buttonperc;
EditText cEditText;
float mValueOne, mValueTwo;
boolean cAddition, mSubtract, cMultiplication, cDivision, cperc;
@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);
    button0 = (Button) findViewById(R.id.button15);
    button1 = (Button) findViewById(R.id.button8);
    button2 = (Button) findViewById(R.id.button14);
    button3 = (Button) findViewById(R.id.button18);
    button4 = (Button) findViewById(R.id.button7);
    button5 = (Button) findViewById(R.id.button13);
    button6 = (Button) findViewById(R.id.button16);
    button7 = (Button) findViewById(R.id.button6);
    button8 = (Button) findViewById(R.id.button10);
    button9 = (Button) findViewById(R.id.button11);
    buttond = (Button) findViewById(R.id.button19);
    buttonAdd = (Button) findViewById(R.id.button20);
    buttonSub = (Button) findViewById(R.id.button17);
    buttonMul = (Button) findViewById(R.id.button12);
    buttonDivision = (Button) findViewById(R.id.button5);
    buttonC = (Button) findViewById(R.id.button2);
    buttonperc = (Button) findViewById(R.id.button4);
    buttonEqual = (Button) findViewById(R.id.button21);
    cEditText = (EditText) findViewById(R.id.edt1);
    button1.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            cEditText.setText(cEditText.getText() + "1");
        }
    });
    button2.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            cEditText.setText(cEditText.getText() + "2");
        }
    });
    button3.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            cEditText.setText(cEditText.getText() + "3");
        }
    });
}

```

```
button4.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        cEditText.setText(cEditText.getText() + "4");
    }
});
button5.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        cEditText.setText(cEditText.getText() + "5");
    }
});
button6.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        cEditText.setText(cEditText.getText() + "6");
    }
});
button7.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        cEditText.setText(cEditText.getText() + "7");
    }
});
button8.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        cEditText.setText(cEditText.getText() + "8");
    }
});
button9.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        cEditText.setText(cEditText.getText() + "9");
    }
});
button0.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        cEditText.setText(cEditText.getText() + "0");
    }
});
buttonAdd.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
```

```

if (cEditText == null) {
cEditText.setText("");
} else {
mValueOne = Float.parseFloat(cEditText.getText() + "");
cAddition = true;
cEditText.setText(null);
}
}
});
buttonSub.setOnClickListener(new View.OnClickListener() {
@Override
public void onClick(View v) {
mValueOne = Float.parseFloat(cEditText.getText() + "");
mSubtract = true;
cEditText.setText(null);
}
});
buttonMul.setOnClickListener(new View.OnClickListener() {
@Override
public void onClick(View v) {
mValueOne = Float.parseFloat(cEditText.getText() + "");
cMultiplication = true;
cEditText.setText(null);
}
});
buttonDivision.setOnClickListener(new View.OnClickListener() {
@Override
public void onClick(View v) {
mValueOne = Float.parseFloat(cEditText.getText() + "");
cDivision = true;
cEditText.setText(null);
}
});
buttonperc.setOnClickListener(new View.OnClickListener() {
@Override
public void onClick(View v) {
mValueOne = Float.parseFloat(cEditText.getText() + "");
cperc = true;
cEditText.setText(null);
}
});
buttonEqual.setOnClickListener(new View.OnClickListener() {
@Override
public void onClick(View v) {
mValueTwo = Float.parseFloat(cEditText.getText() + "");

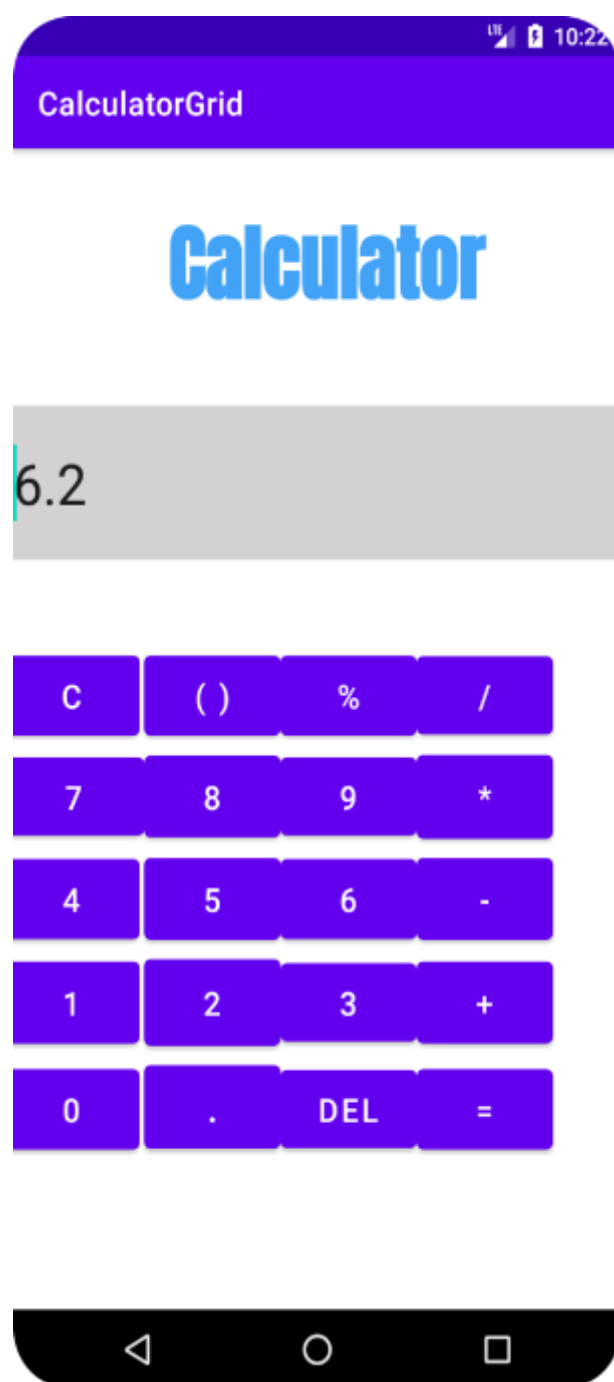
```

```

if (cAddition == true) {
cEditText.setText(mValueOne + mValueTwo + "");
cAddition = false;
}
if (mSubtract == true) {
cEditText.setText(mValueOne - mValueTwo + "");
mSubtract = false;
}
if (cMultiplication == true) {
cEditText.setText(mValueOne * mValueTwo + "");
cMultiplication = false;
}
if (cDivision == true) {
cEditText.setText(mValueOne / mValueTwo + "");
cDivision = false;
}
if (cperc == true) {
cEditText.setText((mValueOne / mValueTwo)*100 + "");
cperc = false;
}
}
});
buttonC.setOnClickListener(new View.OnClickListener() {
@Override
public void onClick(View v) {
cEditText.setText("");
}
});
buttonD.setOnClickListener(new View.OnClickListener() {
@Override
public void onClick(View v) {
cEditText.setText(cEditText.getText() + ".");
}
});
}
}

```

Output:



3. Create a Facebook page using RelativeLayout; set properties using .xml file

Activity_main.xml:

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="#3A3939"
    tools:context=".MainActivity">
    <Button
        android:id="@+id/button"
        android:layout_width="314dp"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentEnd="true"
        android:layout_alignParentBottom="true"
        android:layout_marginStart="55dp"
        android:layout_marginEnd="41dp"
        android:layout_marginBottom="97dp"
        android:background="#1B678A"
        android:backgroundTint="#082257"
        android:foregroundTint="#602121"
        android:text="Create New Facebook Account"
        app:iconTint="#4E7CF3"
        app:rippleColor="#4E1D1D" />
    <TextView
        android:id="@+id/textView"
        android:layout_width="248dp"
        android:layout_height="27dp"
        android:layout_alignParentStart="true"
        android:layout_alignParentTop="true"
        android:layout_alignParentEnd="true"
        android:layout_alignParentBottom="true"
        android:layout_marginStart="131dp"
        android:layout_marginTop="443dp"
        android:layout_marginEnd="32dp"
        android:layout_marginBottom="261dp"
        android:fontFamily="@font/archivo_black"
        android:text="Log Into Another Account"
        android:textColor="#26E6EC"
        android:textSize="14sp" />
    <TextView
        android:id="@+id/textView3"
```

```
android:layout_width="123dp"
android:layout_height="wrap_content"
android:layout_alignParentEnd="true"
android:layout_alignParentBottom="true"
android:layout_marginEnd="103dp"
android:layout_marginBottom="353dp"
android:fontFamily="@font/archivo_black"
android:text="Admin"
android:textColor="#26E6EC"
android:textSize="20sp" />
<TextView
android:id="@+id/textView2"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_alignParentStart="true"
android:layout_alignParentTop="true"
android:layout_alignParentEnd="true"
android:layout_alignParentBottom="true"
android:layout_marginStart="135dp"
android:layout_marginTop="498dp"
android:layout_marginEnd="74dp"
android:layout_marginBottom="206dp"
android:fontFamily="@font/archivo_black"
android:text="Find Your Account"
android:textColor="#26E6EC"
android:textSize="14sp" />
<ImageView
android:id="@+id/imageView2"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_alignParentStart="true"
android:layout_alignParentTop="true"
android:layout_alignParentEnd="true"
android:layout_alignParentBottom="true"
android:layout_marginStart="86dp"
android:layout_marginTop="493dp"
android:layout_marginEnd="293dp"
android:layout_marginBottom="206dp"
android:tint="#26E6EC"
app:srcCompat="@android:drawable/ic_menu_search" />
<ImageView
android:id="@+id/imageView3"
android:layout_width="43dp"
android:layout_height="46dp"
android:layout_alignParentStart="true"
android:layout_alignParentTop="true"
```

```

android:layout_alignParentEnd="true"
android:layout_alignParentBottom="true"
android:layout_marginStart="82dp"
android:layout_marginTop="430dp"
android:layout_marginEnd="286dp"
android:layout_marginBottom="255dp"
android:tint="#26E6EC"
app:srcCompat="@android:drawable/ic_input_add" />
<ImageView
android:id="@+id/imageView4"
android:layout_width="74dp"
android:layout_height="61dp"
android:layout_alignParentStart="true"
android:layout_alignParentTop="true"
android:layout_alignParentEnd="true"
android:layout_alignParentBottom="true"
android:layout_marginStart="96dp"
android:layout_marginTop="325dp"
android:layout_marginEnd="241dp"
android:layout_marginBottom="345dp"
app:srcCompat="@drawable/daco_5447989" /
<ImageView
android:id="@+id/imageView5"
android:layout_width="176dp"
android:layout_height="148dp"
android:layout_alignParentStart="true"
android:layout_alignParentTop="true"
android:layout_alignParentEnd="true"
android:layout_alignParentBottom="true"
android:layout_marginStart="117dp"
android:layout_marginTop="143dp"
android:layout_marginEnd="118dp"
android:layout_marginBottom="438dp"
android:tint="#FAFAFA"
app:srcCompat="@drawable/_8e91965eb97430e819064f5" />
</RelativeLayout>

```

MainActivity.java:

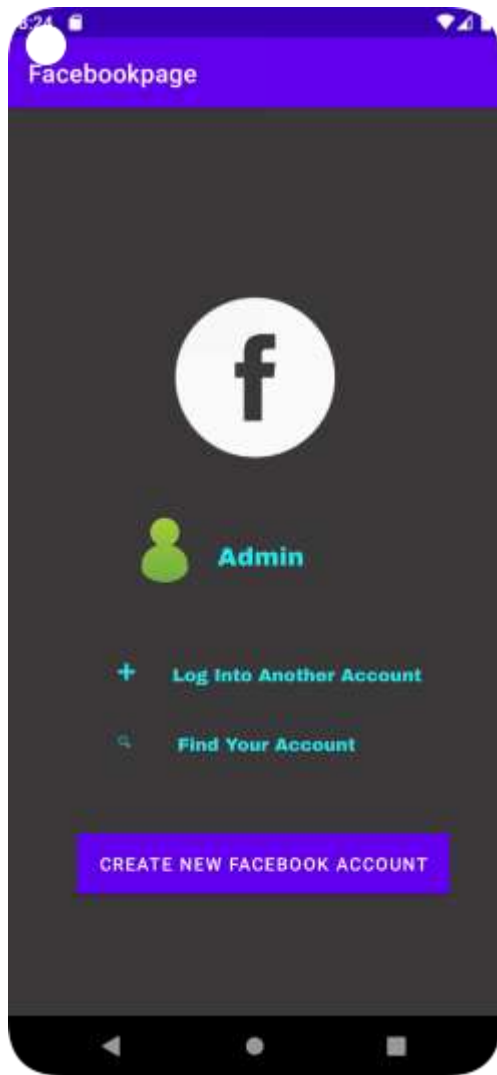
```

package com.example.facebookpage;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
public class MainActivity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);

```

```
setContentView(R.layout.activity_main);  
}  
}
```

Output:



4. Develop an application that toggles image using FrameLayout

Activity_main.xml:

```
<?xml version="1.0" encoding="utf-8"?>
<FrameLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="#BDBABA"
    tools:context=".MainActivity">
    <ImageView
        android:id="@+id/imageView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:onClick="onClick"
        app:srcCompat="@drawable/daco_5447989" />
    <ImageView
        android:id="@+id/imageView2"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:onClick="onClick"
        app:srcCompat="@drawable/_8e91965eb97430e819064f5" />
</FrameLayout>
```

MainActivity.java:

```
package com.example.frameLayout;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.ImageView;
public class MainActivity extends AppCompatActivity implements View.OnClickListener {
    ImageView i1,i2;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        i1=(ImageView) findViewById(R.id.imageView);
        i2=(ImageView) findViewById(R.id.imageView2);
        i1.setOnClickListener(this);
        i2.setOnClickListener(this);
    }
    @Override
    public void onClick(View v) {
```

```
if(v.getId()==R.id.imageView)
{
i1.setVisibility(v.GONE);
i2.setVisibility(v.VISIBLE);
}
else
{
i2.setVisibility(v.GONE);
i1.setVisibility(v.VISIBLE);
}
}
}}
```

Output:

