Title: Voting App

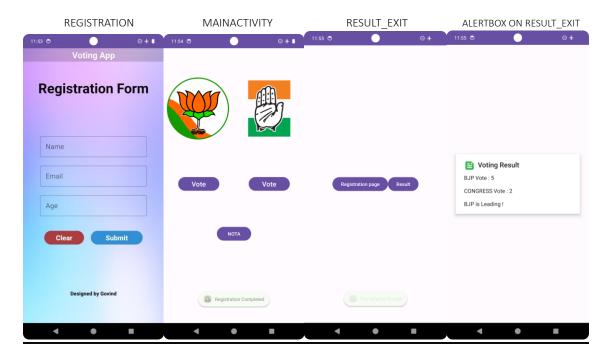| REGISTRATION	MAINACTIVITY	RESULT_EXIT	ALERTBOX ON RESULT_EXIT

XML FILE

MAIN ACTIVITY

```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"
    tools:context=".MainActivity"
    android:orientation="vertical">
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal">

    <LinearLayout
        android:layout_width="0dp"
        android:layout_height="444dp"
        android:layout_weight="1"
        android:orientation="vertical">

        <ImageView
            android:layout_width="191dp"
            android:layout_height="352dp"
            android:contentDescription="Bjp Image"
```

```xml
            android:paddingLeft="10dp"
            android:src="@drawable/bjp" />

        <Button
            android:id="@+id/bjpbtn"
            android:layout_width="120dp"
            android:layout_height="wrap_content"
            android:layout_gravity="center"
            android:layout_marginTop="20dp"
            android:text="Vote"
            android:textSize="20dp" />
    </LinearLayout>

    <LinearLayout
        android:layout_width="0dp"
        android:layout_height="444dp"
        android:layout_weight="1"
        android:orientation="vertical">

        <ImageView
            android:layout_width="match_parent"
            android:layout_height="352dp"
            android:contentDescription="Congress Image"
            android:src="@drawable/conngress" />

        <Button
            android:id="@+id/cgsbtn"
            android:layout_width="120dp"
            android:layout_height="wrap_content"
            android:layout_gravity="center"
            android:layout_marginTop="20dp"
            android:text="Vote"
            android:textSize="20dp" />
    </LinearLayout>

</LinearLayout>

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="195dp"
        android:gravity="center">

        <Button
            android:id="@+id/nota"
            android:layout_width="100dp"
            android:layout_height="wrap_content"
            android:layout_gravity="center"
            android:text="NOTA" />

    </LinearLayout>
</LinearLayout>
```

REGISTRATION

```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"
```

```xml
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        tools:context=".Registration"
        android:orientation="vertical"
        android:background="@drawable/img2">

    <TextView
        android:layout_width="match_parent"
        android:layout_height="39dp"
        android:text="Voting App"
        android:textColor="#FFFFFF"
        android:textSize="25dp"
        android:textStyle="bold"
        android:gravity="center"
        android:background="#2A000000"/>


    <TextView
        android:layout_marginTop="50dp"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:gravity="center"
        android:text="Registration Form"
        android:textColor="#F3000000"
        android:textSize="40dp"
        android:textStyle="bold"
        />

    <com.google.android.material.textfield.TextInputLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="109dp"
        android:layout_marginRight="50dp"
        android:layout_marginLeft="50dp"

style="@style/Widget.MaterialComponents.TextInputLayout.OutlinedBox">
        <com.google.android.material.textfield.TextInputEditText
            android:id="@+id/name"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:hint="Name"
            android:inputType="text"
            android:textSize="20sp"
            />
    </com.google.android.material.textfield.TextInputLayout>



    <com.google.android.material.textfield.TextInputLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="20dp"
        android:layout_marginRight="50dp"
        android:layout_marginLeft="50dp"

style="@style/Widget.MaterialComponents.TextInputLayout.OutlinedBox">

        <com.google.android.material.textfield.TextInputEditText
            android:id="@+id/email"
        android:layout_width="match_parent"
```

```xml
            android:textSize="20sp"
        android:layout_height="wrap_content"
        android:hint="Email"
        android:inputType="textEmailAddress" />
    </com.google.android.material.textfield.TextInputLayout>



    <com.google.android.material.textfield.TextInputLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="20dp"
        android:layout_marginRight="50dp"
        android:layout_marginLeft="50dp"

style="@style/Widget.MaterialComponents.TextInputLayout.OutlinedBox">

        <com.google.android.material.textfield.TextInputEditText
            android:id="@+id/age"
            android:layout_width="match_parent"
            android:textSize="20sp"
            android:layout_height="wrap_content"
            android:hint="Age"
            android:inputType="number" />
    </com.google.android.material.textfield.TextInputLayout>

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="105dp"
        android:layout_marginTop="10dp"
        android:orientation="horizontal"
        android:gravity="center">

        <Button
            android:id="@+id/clear"
            android:layout_width="116dp"
            android:layout_height="wrap_content"
            android:layout_gravity="center"
            android:layout_marginRight="20dp"
            android:text="Clear"
            android:textSize="20dp"
            android:textStyle="bold"
            android:backgroundTint="#94AC1A1A"/>

        <Button
            android:id="@+id/submit"
            android:layout_width="151dp"
            android:layout_height="wrap_content"
            android:layout_gravity="center"
            android:text="Submit"
            android:textSize="20dp"
            android:textStyle="bold"
            android:backgroundTint="#338FD6"
            />

    </LinearLayout>

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:gravity="center"
```

```
        android:paddingTop="100dp"
        android:text="Designed by Govind"
        android:textColor="#000000"
        android:textSize="15dp"
        android:textStyle="bold" />
</LinearLayout>
```

RESULT_EXIT

```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"
    tools:context=".Result_Exit" android:gravity="center">

    <Button
        android:id="@+id/button"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Registration page"
        tools:layout_editor_absoluteX="143dp"
        tools:layout_editor_absoluteY="261dp" />
    <Button
    android:id="@+id/result"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Result"
    tools:layout_editor_absoluteX="143dp"
    tools:layout_editor_absoluteY="261dp" />
</LinearLayout>
```

JAVA FILE

REGISTRATION

```java
package com.example.voterapp;

import androidx.appcompat.app.AlertDialog;
import androidx.appcompat.app.AppCompatActivity;

import android.content.DialogInterface;
import android.content.Intent;
import android.os.Bundle;
```

```java
import android.util.Log;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
import android.widget.Toast;


public class Registration extends AppCompatActivity {
EditText name,email,age;
Button clr,sbt;
DBHelper db;

    @Override
    public void onBackPressed() {
//        super.onBackPressed();
        Log.d("Govind","BackPressed Called");

        AlertDialog.Builder exit=new
AlertDialog.Builder(Registration.this);
        exit.setTitle("Confirm Exit");
        exit.setIcon(R.drawable.exit_app);
        exit.setMessage("are you sure you want to exit");

        exit.setPositiveButton("Yes", new DialogInterface.OnClickListener()
{
            @Override
            public void onClick(DialogInterface dialogInterface, int i) {
                finish();
            }
        });
        exit.setNegativeButton("No",null);
        exit.show();       }

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


        name=findViewById(R.id.name);
        email=findViewById(R.id.email);
        age=findViewById(R.id.age);
        clr=findViewById(R.id.clear);
        sbt=findViewById(R.id.submit);
        db=new DBHelper(this);

        //clear button action
        clr.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                name.setText(null);
                email.setText(null);
                age.setText(null);
            }
        });

        //submit button action
        sbt.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
```

```java
                String n=name.getText().toString().trim();
                String e=email.getText().toString().trim();
                String a=age.getText().toString().trim();

                if(n.equals("")||e.equals("")||a.equals("")){
                    Toast.makeText(Registration.this,"plaese fill all
details",Toast.LENGTH_SHORT).show();
                }else{

                    int ages = Integer.parseInt(a);

                    if (ages>= 18) {

                        boolean insert = db.insertdata(n, e, a);

                        if (insert == true) {

                            Toast.makeText(Registration.this, "Registration
Completed", Toast.LENGTH_SHORT).show();
                            Intent inet=new Intent(Registration.this,
MainActivity.class);
                            startActivity(inet);
                        }
                    }else{
                        Toast.makeText(Registration.this,"You are not
eligible for voting",Toast.LENGTH_SHORT).show();
                    }
                }}
        });
    }
}
```

MAIN ACTIVITY

```java
package com.example.voterapp;

import androidx.appcompat.app.AlertDialog;
import androidx.appcompat.app.AppCompatActivity;

import android.content.DialogInterface;
import android.content.Intent;
import android.os.Bundle;
import android.util.Log;
import android.view.View;
import android.widget.Button;
```

```java
import android.widget.TextView;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

    Button bjpbtn,cgsbtn,notabtn;

    Result dbr;

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

        //finding the component by id
        bjpbtn=findViewById(R.id.bjpbtn);
        cgsbtn=findViewById(R.id.cgsbtn);
        notabtn=findViewById(R.id.nota);
        dbr=new Result(this);


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

                cgsbtn.setVisibility(view.INVISIBLE);
                bjpbtn.setVisibility(view.INVISIBLE);
                notabtn.setVisibility(view.INVISIBLE);
                Intent inet=new
Intent(MainActivity.this,Result_Exit.class);
                startActivity(inet);

                //vote method by database
                boolean insert = dbr.insertvote("1",null);
                Toast.makeText(MainActivity.this, "You voted to BJP",
Toast.LENGTH_SHORT).show();

            }
        });

        cgsbtn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                cgsbtn.setVisibility(view.INVISIBLE);
                bjpbtn.setVisibility(view.INVISIBLE);
                notabtn.setVisibility(view.INVISIBLE);

                Intent inet=new
Intent(MainActivity.this,Result_Exit.class);
                startActivity(inet);

                boolean insert = dbr.insertvote(null,"1");
                Toast.makeText(MainActivity.this, "You voted to CONGRESS",
Toast.LENGTH_SHORT).show();

            }
        });

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

```
                Intent inet=new
Intent(MainActivity.this,Result_Exit.class);
                startActivity(inet);

                boolean insert = dbr.insertvote(null,null);
                Toast.makeText(MainActivity.this, "You voted to No one",
Toast.LENGTH_SHORT).show();


            }
        });


    }
}
```

RESULT_EXIT

```
package com.example.voterapp;

import androidx.appcompat.app.AlertDialog;
import androidx.appcompat.app.AppCompatActivity;

import android.content.DialogInterface;
import android.content.Intent;
import android.database.Cursor;
import android.os.Bundle;
import android.util.Log;
import android.view.View;
import android.widget.Button;
import android.widget.Toast;

public class Result_Exit extends AppCompatActivity {

    Button btn,res;
    Result dbr;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_result_exit);
    btn=findViewById(R.id.button);
    res=findViewById(R.id.result);
    dbr=new Result(this);

    btn.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            Intent inet=new Intent(Result_Exit.this,Registration.class);
            startActivity(inet);
        }
    });
```

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

                Cursor cdata = dbr.view_data();

            if(cdata.getCount()>=1){
//              Toast.makeText(Result_Exit.this,"recore
found",Toast.LENGTH_SHORT).show();

                StringBuffer buffer=new StringBuffer();
                while(cdata.moveToNext()) {
                    buffer.append("BJP Vote : " + cdata.getString(0)+"\n\n");
                    buffer.append("CONGRESS Vote : " +
cdata.getString(1)+"\n\n");
                    int B=Integer.parseInt(cdata.getString(0));
                    int C=Integer.parseInt(cdata.getString(1));

                    if(B>C){
                        buffer.append("BJP is Leading ! ");
                    }else if(C>B){
                        buffer.append("Congress is Leading !");
                    }else{
                        buffer.append("Both are Equal!");
                    }

                }
                AlertDialog.Builder build=new
AlertDialog.Builder(Result_Exit.this);
                build.setCancelable(true);
                build.setTitle("Voting Result");
                build.setIcon(R.drawable.result);
                build.setMessage(buffer.toString());
                build.show();
            }
            }
        });
        }

    @Override
    public void onBackPressed() {
//          super.onBackPressed();
//          Intent tent=new Intent(Result_Exit.this,Registration.class);
//          startActivity(tent);
        Log.d("Govind","BackPressed Called");

        AlertDialog.Builder exit=new AlertDialog.Builder(Result_Exit.this);
        exit.setTitle("Confirm Exit");
        exit.setIcon(R.drawable.exit_app);
        exit.setMessage("are you sure you want to exit");

        exit.setPositiveButton("Yes", new DialogInterface.OnClickListener()
{
            @Override
            public void onClick(DialogInterface dialogInterface, int i) {
                finish();
                Intent tent=new
Intent(Result_Exit.this,Registration.class);
                startActivity(tent);
        Toast.makeText(Result_Exit.this,"You Redirect To Registratoin
Page",Toast.LENGTH_LONG).show();
```

```
            }
        });
        exit.setNegativeButton("No",null);
        exit.show();
    }
}
```

DATABASE FILE FOR VOTE COUNTING

```java
package com.example.voterapp;

import android.content.ContentValues;
import android.content.Context;
import android.database.Cursor;
import android.database.sqlite.SQLiteDatabase;
import android.database.sqlite.SQLiteOpenHelper;

import androidx.annotation.Nullable;

public class DBHelper extends SQLiteOpenHelper {

    public static final String DBNAME="REGISTR.db";

    public DBHelper(Context context) {
        super(context, "REGISTR.db",null,1);
    }

    @Override
    public void onCreate(SQLiteDatabase Mydb) {
        Mydb.execSQL("create  table usr(id INTEGER primary key autoincrement," +
                "name TEXT," +
                "email TEXT," +
                "age INTEGER)");
    }


    @Override
    public void onUpgrade(SQLiteDatabase Mydb, int i, int i1) {
        Mydb.execSQL("drop table if exists usr");
    }

    public boolean insertdata(String name,String email,String age){
        SQLiteDatabase Mydb=this.getWritableDatabase();
        ContentValues cv=new ContentValues();
        cv.put("name",name);
        cv.put("email",email);
        cv.put("age",age);

        long r=Mydb.insert("usr",null,cv);
        Mydb.close();
        if(r>0)
            return true;
        else
            return false;
```

```
        }


    }
```

DATABASE FILE FOR VOTE DISPLAYING

```
package com.example.voterapp;

import android.content.ContentValues;
import android.content.Context;
import android.database.Cursor;
import android.database.sqlite.SQLiteDatabase;
import android.database.sqlite.SQLiteOpenHelper;

public class Result extends SQLiteOpenHelper {
    public static final String DBNAME="RESULT.db";

    public Result(Context context) {
        super(context, "RESULT.db", null,1);
    }

    @Override
    public void onCreate(SQLiteDatabase Mydb) {

        Mydb.execSQL("create table vote_count(id INTEGER primary key
autoincrement,bjpvote integer,cgsvote integer)");


    }

    @Override
    public void onUpgrade(SQLiteDatabase Mydb, int i, int i1) {
        Mydb.execSQL("drop table if exists vote_count");


    }
    public boolean insertvote(String bjp,String cgs){
        SQLiteDatabase Mydb=this.getWritableDatabase();
        ContentValues cv=new ContentValues();
        cv.put("bjpvote",bjp);
        cv.put("cgsvote",cgs);

        long r=Mydb.insert("vote_count",null,cv);
        Mydb.close();
        if(r>0)
            return true;
        else
            return false;
    }
    public Cursor view_data(){
    SQLiteDatabase db=this.getReadableDatabase();
    String q="select sum(bjpvote),sum(cgsvote) from vote_count";
    Cursor cr=db.rawQuery(q,null);
    return cr;
    }
```

```
}
```