

Activitymain.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="@color/white"
    android:orientation="vertical"
    tools:context=".MainActivity"
    tools:layout_editor_absoluteX="20dp"
    tools:layout_editor_absoluteY="20dp">

    <TextView
        android:id="@+id/customer_Details"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:gravity="center"
        android:padding="10dp"
        android:text="Customer Details"
        android:textColor="@color/purple_500"
        android:textSize="25dp"
        android:textStyle="bold"
        tools:layout_editor_absoluteX="98dp"
        tools:layout_editor_absoluteY="3dp"
        tools:ignore="MissingConstraints" />

    <TextView
        android:id="@+id/textView2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Full Name"
        android:textSize="15dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.052"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="@+id/customer_Details"
        app:layout_constraintVertical_bias="0.121" />

    <EditText
        android:id="@+id/first_name"
        android:layout_width="165dp"
        android:layout_height="47dp"
        android:hint="First Name"
        android:inputType="textPersonName"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="@+id/customer_Details"
        app:layout_constraintVertical_bias="0.107" />

    <EditText
        android:id="@+id/Middle_name"
        android:layout_width="165dp"
        android:layout_height="47dp"
        android:hint="Middle Name"
        android:inputType="textPersonName"
```

```
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="@+id/customer_Details"
app:layout_constraintVertical_bias="0.176" />
```

<EditText

```
android:id="@+id/Last_name"
android:layout_width="165dp"
android:layout_height="47dp"
android:hint="Last Name"
android:inputType="textPersonName"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="@+id/customer_Details"
app:layout_constraintVertical_bias="0.245" />
```

<TextView

```
android:id="@+id/EmailID"
android:layout_width="74dp"
android:layout_height="32dp"
android:hint="EmailID"
android:textSize="15dp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.053"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="@+id/customer_Details"
app:layout_constraintVertical_bias="0.461" />
```

<EditText

```
android:id="@+id/primaryid"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:ems="10"
android:hint="Primary ID"
android:inputType="textEmailAddress"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.633"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="@+id/customer_Details"
app:layout_constraintVertical_bias="0.472" />
```

<EditText

```
android:id="@+id/alternativeid"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:ems="10"
android:hint="Alternative ID"
android:inputType="textEmailAddress"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.633"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="@+id/customer_Details"
app:layout_constraintVertical_bias="0.556" />
```

<TextView

```
android:id="@+id/MNumber"
```

```
android:layout_width="74dp"
android:layout_height="32dp"
android:hint="Mobile Number"
android:textSize="15dp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.053"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="@+id/customer_Details"
app:layout_constraintVertical_bias="0.632" />
```

<EditText

```
android:id="@+id/Primary_number"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:ems="10"
android:hint="Primary Number"
android:inputType="phone"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.633"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="@+id/customer_Details"
app:layout_constraintVertical_bias="0.646" />
```

<EditText

```
android:id="@+id/Alternative_Number"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:ems="10"
android:hint="Alternative Number"
android:inputType="phone"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.633"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="@+id/customer_Details"
app:layout_constraintVertical_bias="0.732" />
```

<EditText

```
android:id="@+id/Residence"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:ems="10"
android:hint="Residence"
android:inputType="textPostalAddress"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.633"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.821" />
```

<TextView

```
android:id="@+id/Address"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="Address"
android:textSize="15dp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
```

```
app:layout_constraintHorizontal_bias="0.05"  
app:layout_constraintStart_toStartOf="parent"  
app:layout_constraintTop_toTopOf="@+id/customer_Details"  
app:layout_constraintVertical_bias="0.802" />
```

<EditText

```
android:id="@+id/office"  
android:layout_width="wrap_content"  
android:layout_height="wrap_content"  
android:ems="10"  
android:hint="Office"  
android:inputType="textPostalAddress"  
app:layout_constraintBottom_toBottomOf="parent"  
app:layout_constraintEnd_toEndOf="parent"  
app:layout_constraintHorizontal_bias="0.633"  
app:layout_constraintStart_toStartOf="parent"  
app:layout_constraintTop_toTopOf="@+id/customer_Details"  
app:layout_constraintVertical_bias="0.905" />
```

<Button

```
android:id="@+id/button"  
android:layout_width="wrap_content"  
android:layout_height="wrap_content"  
android:text="Submit"  
app:layout_constraintBottom_toBottomOf="parent"  
app:layout_constraintEnd_toEndOf="parent"  
app:layout_constraintStart_toStartOf="parent"  
app:layout_constraintTop_toTopOf="@+id/customer_Details"  
app:layout_constraintVertical_bias="0.979" />
```

<TextView

```
android:id="@+id/gender1"  
android:layout_width="wrap_content"  
android:layout_height="wrap_content"  
android:text="Gender"  
app:layout_constraintBottom_toBottomOf="parent"  
app:layout_constraintEnd_toEndOf="parent"  
app:layout_constraintHorizontal_bias="0.049"  
app:layout_constraintStart_toStartOf="parent"  
app:layout_constraintTop_toTopOf="parent"  
app:layout_constraintVertical_bias="0.366" />
```

<EditText

```
android:id="@+id/gender"  
android:layout_width="wrap_content"  
android:layout_height="wrap_content"  
android:ems="10"  
android:inputType="textPersonName"  
android:hint="Male / Female"  
app:layout_constraintBottom_toBottomOf="parent"  
app:layout_constraintEnd_toEndOf="parent"  
app:layout_constraintHorizontal_bias="0.636"  
app:layout_constraintStart_toStartOf="parent"  
app:layout_constraintTop_toTopOf="parent"  
app:layout_constraintVertical_bias="0.361" />
```

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

MainActivity.java

```
package com.example.formvalidation;

import androidx.appcompat.app.AppCompatActivity;

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

import com.basgeekball.awesomevalidation.AwesomeValidation;
import com.basgeekball.awesomevalidation.ValidationStyle;
import com.basgeekball.awesomevalidation.utility.RegexTemplate;

public class MainActivity extends AppCompatActivity {
    EditText
    efName, emName, elName, epEmail, eaEmail, epMobile, eaMobile, erAddress, ewAddress,
    egen;
    Button bsub;
    private static final int LONG_DELAY = 100000;
    AwesomeValidation awesomeValidation;

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

        efName = findViewById(R.id.first_name);
        emName = findViewById(R.id.Middle_name);
        elName = findViewById(R.id.Last_name);
        egen = findViewById(R.id.gender);
        epEmail = findViewById(R.id.primaryid);
        eaEmail = findViewById(R.id.alternativeid);
        epMobile = findViewById(R.id.Primary_number);
        eaMobile = findViewById(R.id.Alternative_Number);
        erAddress = findViewById(R.id.Residence);
        ewAddress = findViewById(R.id.office);
        bsub = findViewById(R.id.button);

        awesomeValidation = new AwesomeValidation(ValidationStyle.BASIC);

        awesomeValidation.addValidation(this, R.id.first_name,
            RegexTemplate.NOT_EMPTY, R.string.invalid_fname);
        awesomeValidation.addValidation(this, R.id.Last_name,
            RegexTemplate.NOT_EMPTY, R.string.invalid_lname);

        awesomeValidation.addValidation(this, R.id.gender, RegexTemplate.NOT_EMPTY, R.
            string.invalidgender);

        awesomeValidation.addValidation(this, R.id.Primary_number, "[5-
9]{1}[0-9]{9}$", R.string.invalid_pmobile);
        awesomeValidation.addValidation(this, R.id.Alternative_Number, "[5-
9]{1}[0-9]{9}$", R.string.invalid_mobile);

        awesomeValidation.addValidation(this, R.id.primaryid,
```

```

Patterns.EMAIL_ADDRESS,R.string.invalid_email);
    awesomeValidation.addValidation(this,R.id.alternativeid,
Patterns.EMAIL_ADDRESS,R.string.invalid_aemail);

    awesomeValidation.addValidation(this,R.id.Residence,
RegexTemplate.NOT_EMPTY,R.string.invalid_aname);

    bsub.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            if (awesomeValidation.validate()) {
                Toast.makeText(getApplicationContext()
                    , "Form Validation Successfully...",
Toast.LENGTH_LONG).show();
            }else{
                Toast.makeText(getApplicationContext(), "Validation
Failed.", Toast.LENGTH_SHORT).show();
            }
        }
    });
}
}

```

Build.gradle(app)

```

dependencies {

    implementation 'androidx.appcompat:appcompat:1.5.1'
    implementation 'com.google.android.material:material:1.7.0'
    implementation 'androidx.constraintlayout:constraintlayout:2.1.4'
    testImplementation 'junit:junit:'
    androidTestImplementation 'androidx.test.ext:junit:1.1.4'
    androidTestImplementation 'androidx.test.espresso:espresso-core:3.5.0'
    implementation 'com.basgeekball:awesome-validation:4.3'
    implementation group: 'com.google.guava', name: 'guava', version:
'27.0.1-android'
}

```