**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'  
}**