## 1. Develop App Using GUI, Fonts & Colours With Profile DP

## Aim:

Develop a GUI based Mobile application which uses GUI Components colours & Fonts with Profile DP

## XML Design:

## Activitymain.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.coordinatorlayout.widget.CoordinatorLayout</pre>
    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:fitsSystemWindows="true"
    tools:context="com.ceg.sharandeveloper.ceg.profile"
    android:background="@color/profileBackground">
    <com.google.android.material.appbar.AppBarLayout</pre>
        android:id="@+id/app_bar"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:fitsSystemWindows="true"
        android:theme="@style/AppTheme.AppBarOverlay">
        <com.google.android.material.appbar.CollapsingToolbarLayout</pre>
            android:id="@+id/toolbar_layout"
            android:layout_width="match_parent"
            android:layout height="match parent"
            android:fitsSystemWindows="true"
            app:contentScrim="@color/colorPrimary"
            app:lavout scrollFlags="scrollTexitUntilCollapsed"
            app:toolbarId="@+id/toolbar"
            app:expandedTitleMarginEnd="64dp"
            app:expandedTitleMarginStart="48dp"
            app:expandedTitleTextAppearance="@style/TransparentText">
            <LinearLayout
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:layout_centerInParent="true"
                android:gravity="center_horizontal"
                android:orientation="vertical"
                android:id="@+id/linearLayout"
                android:background="@drawable/profile_bk">
                <de.hdodenhof.circleimageview.CircleImageView</pre>
                     android: layout_width="100dp"
                     android:layout_marginTop="20dp"
                     android:src="@drawable/sharan"
                     android: layout_height="100dp"/>
                <TextView
```

```
android: layout_width="wrap_content"
                    android:layout_height="wrap_content"
                    android:text="Sharan"
                    android:textSize="28dp"
                    android:textStyle="bold"/>
                <!--<TextView
                    android: layout_width="wrap_content
                    android:layout_height="wrap_content"
                    android:text="sharankumar@biways.in"
                    android:textSize="12dp"
                    android:textStyle="bold"/>-->
                <RelativeLayout
                    android:layout_width="match_parent"
                    android: layout_height="wrap_content"
                    android:gravity="center"
                    android: layout_gravity="bottom"
                    android: layout_marginTop="20dp"
                    android:background="@color/profileBackground">
                    <View
                        android:layout_alignParentTop="true"
                        android:layout width="match parent"
                        android: layout height="30dp"
                        android:background="@drawable/profile_bk"/>
                    <TextView
                        android:text="Back to\nHome"
                        android:id="@+id/back_home"
                        style="@style/profileStyledBackButton" />
                </RelativeLayout>
            </LinearLayout>
            <com.google.android.material.appbar.MaterialToolbar</pre>
                android:id="@+id/toolbar"
                android:layout_width="match_parent"
                android:layout_height="?attr/actionBarSize"
                app:layout_collapseMode="pin"
                app:popupTheme="@style/AppTheme.PopupOverlay" />
       </com.google.android.material.appbar.CollapsingToolbarLayout>
    </com.google.android.material.appbar.AppBarLayout>
    <include layout="@layout/content_profile" />
</androidx.coordinatorlayout.widget.CoordinatorLayout>
```

#### **Content main.xml:**

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.core.widget.NestedScrollView
    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"</pre>
```

```
app:layout_behavior="@string/appbar_scrolling_view_behavior
" tools:context="com.ceg.sharandeveloper.ceg.profile"
tools:showIn="@layout/activity_profile">
<LinearLayout
    android: layout_width="match_parent"
    android: layout_height="wrap_content"
    android:orientation="vertical"
    android:layout_marginTop="20dp"
    android:layout_marginLeft="20dp"
    android: layout_marginRight="20dp">
    <TextView
        style="@style/headerText"
        android:text="Profile Info"
        android:layout_marginBottom="20dp"/>
    <RelativeLayout style="@style/profileDetailsLayout">
        <ImageView
            android:id="@+id/nameImageView"
            android:src="@drawable/ic_name"
            style="@style/profileDetailsImage"
        <TextView
            android:id="@+id/nameTextView"
            android:text="Name"
            android:layout_toRightOf="@id/nameImageView"
            style="@style/profileDetailsTextMain" />
        <TextView
            android:text="sharan kumar sp"
            android:layout_toRightOf="@id/nameImageView"
            style="@style/profileDetailsMiniText" />
    </RelativeLayout>
    <View style="@style/proifleDetailsView" />
    <RelativeLayout style="@style/profileDetailsLayout">
        <ImageView</pre>
            android:id="@+id/mobileImageView"
            android:src="@drawable/ic_mobile"
            style="@style/profileDetailsImage"
            />
        <TextView
            android:text="Mobile"
            android:layout_toRightOf="@id/mobileImageView"
            style="@style/profileDetailsTextMain"/>
        <TextView
            android:text="+91-9514529746"
            android:layout_toRightOf="@id/mobileImageView"
            style="@style/profileDetailsMiniText" />
    </RelativeLayout>
    <View style="@style/proifleDetailsView" />
    <RelativeLayout style="@style/profileDetailsLayout">
        <ImageView
            android:id="@+id/emailImageView"
            android:src="@drawable/ic_email"
            style="@style/profileDetailsImage"
            />
            <TextView
```

```
android:text="Email"
                android:layout_toRightOf="@id/emailImageView"
                style="@style/profileDetailsTextMain" />
            <TextView
                android:text="sharankumar@biways.in"
                android:layout_toRightOf="@id/emailImageView"
                style="@style/profileDetailsMiniText" />
        </RelativeLayout>
        <View style="@style/proifleDetailsView" />
        <RelativeLayout style="@style/profileDetailsLayout">
            <ImageView</pre>
                android:id="@+id/addressImageView"
                android:src="@drawable/ic_address"
                style="@style/profileDetailsImage"
                />
            <TextView
                android:text="Address"
                android:layout toRightOf="@id/addressImageView"
                style="@style/profileDetailsTextMain" />
            <TextView
                android:text="162/A, Madurai
                Raod, Srivilliputtur."
                android:layout_toRightOf="@id/addressImageView"
                style="@style/profileDetailsMiniText" />
        </RelativeLayout>
        <View style="@style/proifleDetailsView" />
        <RelativeLayout style="@style/profileDetailsLayout">
            <ImageView</pre>
                android:id="@+id/dobImageView"
                android:src="@drawable/ic_dob"
                style="@style/profileDetailsImage"
                />
            <TextView
                android:text="D.O.B"
                android:layout toRightOf="@id/dobImageView"
                style="@style/profileDetailsTextMain" />
            <TextView
                android:text="09-06-1999"
                android:layout_toRightOf="@id/dobImageView"
                style="@style/profileDetailsMiniText" />
        </RelativeLayout>
        <View style="@style/proifleDetailsView" />
    </LinearLayout>
</androidx.core.widget.NestedScrollView>
```

# **Java Coding:**

# profile.java:

```
package com.ceg.sharandeveloper.ceg;
import androidx.appcompat.app.AppCompatActivity;
import androidx.appcompat.widget.Toolbar;
import android.content.Intent;
import android.os.Bundle;
import android view View;
import android.widget.TextView;
public class profile extends AppCompatActivity {
    TextView back home;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R layout activity_profile);
        Toolbar toolbar = (Toolbar) findViewById(R.id.toolbar);
        setSupportActionBar(toolbar);
        getSupportActionBar().setDisplayHomeAsUpEnabled(true);
        back_home=(findViewById(R.id.back_home));
        back_home.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent i = new Intent(profile.this, MainActivity.class);
                startActivity(i);
                finish();
       });
   }
}
```

# **Screenshots:**



# **Profile Info**



#### Name

sharan kumar sp



#### Mobile

+91-9514529746



#### **Email**

sharankumar@biways.in



## Address

162/A, Madurai Raod, Srivilliputtur.



#### D.O.B

09-06-1999

# **Profile Info**

Profile



#### Name

sharan kumar sp



# Mobile

+91-9514529746



## Email

sharankumar@biways.in



## Address

162/A, Madurai Raod, Srivilliputtur.

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## D.O.B

09-06-1999

## 2. Develop An Applications With Layout Managers And Events Listner

## Aim:

Develop an applications which uses Layout Managers and Events listner include the previous GUI based fonts colours background images etc...

### XML Coding:

# **Activity\_login:**

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLavout
    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:orientation="vertical"
    android:background="@drawable/profile_bk"
    android:layout_height="match_parent"
    android:gravity="center"
    tools:context=".login">
    <ScrollView
        android: layout_width="match_parent"
        android: layout_height="match_parent">
        <LinearLayout
            android:layout_width="match_parent"
            android: layout_gravity="center"
            android:gravity="center"
            android:padding="10dp"
            android:orientation="vertical"
            android: layout_height="wrap_content">
            <androidx.appcompat.widget.AppCompatTextView</pre>
                android: layout width="match parent"
                android:textColor="#ffffff"
                android:text="LOGIN"
                android:fontFamily="@font/asap_bolditalic"
                android:textStyle="bold"
                android:textSize="25dp"
                android:gravity="center"
                android:layout_height="wrap_content"/>
            <ImageView
                android: layout width="100dp"
                android:layout_marginTop="10dp"
                android:src="@drawable/ic_user"
                android: layout_height="100dp"/>
            <LinearLayout
                android: layout width="match parent"
                android:orientation="vertical"
                android:padding="20dp"
                android:layout_height="wrap_content">
                <com.google.android.material.textfield.TextInputLayout</pre>
                     android: layout_width="match_parent"
                     android:textColorHint="#FFFFFF"
```

```
app:hintTextColor="#FFFFFF"
                    android: layout_height="wrap_content">
<com.google.android.material.textfield.TextInputEditText</pre>
                        android:layout_width="match_parent"
                        android:hint="Phone No"
                         android:id="@+id/username"
                        android:fontFamily="@font/asap_medium"
                         android:textColor="#ffffff"
                        android:inputType="number"
                        android:drawableRight="@drawable/ic_user"
                        android:textColorHint="#ffffff"
                        android:layout_height="wrap_content"/>
                </com.google.android.material.textfield.TextInputLayout>
                <com.google.android.material.textfield.TextInputLayout</pre>
                    android:layout_width="match_parent"
                    android: layout marginTop="50dp"
                    app:hintTextColor="#FFFFFF"
                    app:errorTextColor="#7c3bcd"
                    android:textColorHint="#FFFFFF"
                    android: layout_height="wrap_content">
<com.google.android.material.textfield.TextInputEditText</pre>
                         android:layout_width="match_parent"
                         android:hint="Password"
                         android:id="@+id/password"
                         android:inputType="textPassword"
                         android:fontFamily="@font/asap_medium"
                         android:textColor="#ffffff"
                         android:textColorHint="#ffffff"
                        android:layout_height="wrap_content"/>
                </com.google.android.material.textfield.TextInputLayout>
                    android: layout_width="match_parent"
                    android:text="Forget Password?"
                    android: layout_gravity="end"
                    android:gravity="end"
                    android:id="@+id/forget"
                    android:textSize="17dp"
                    android:layout_marginTop="10dp"
                    android:textColor="#FFFFFF"
                    android:fontFamily="@font/asap_medium"
                    android:layout_height="wrap_content"/>
            </LinearLayout>
            <Button
                android: layout_width="wrap_content"
                android:text="LOGIN"
                android: layout_marginTop="20dp"
                android:textColor="#FFFFFF"
                android:textStyle="bold"
                android:textSize="18dp"
                android:id="@+id/login"
                android:fontFamily="@font/asap_bold"
                android:background="@drawable/profile_back_button"
                android: layout_height="wrap_content"/>
            <TextView
                android: layout_width="match_parent"
                android:text="SignUp?"
                android:gravity="center"
                android: layout_marginTop="20dp"
                android:textSize="18dp"
                android:fontFamily="@font/asap bold"
                android:textColor="#ffffff"
```

## **Activity\_signup.xml:**

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLavout
    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:orientation="vertical"
    android:background="@drawable/profile_bk"
    android:layout_height="match_parent"
    android:gravity="center"
    tools:context=".signup">
    <ScrollView
        android:layout_width="match_parent"
        android: layout_height="match_parent">
        <LinearLayout
            android: layout_width="match_parent"
            android:orientation="vertical"
            android: layout_height="match_parent">
            <LinearLayout
                android: layout_width="match_parent"
                android: layout_gravity="center"
                android:gravity="center"
                android:padding="10dp"
                android:id="@+id/mainlayout"
                android:orientation="vertical"
                android: layout height="wrap content">
                <androidx.appcompat.widget.AppCompatTextView</pre>
                    android: layout_width="match_parent"
                    android:textColor="#ffffff"
                    android:text="Sign Up"
                    android:fontFamily="@font/asap_bolditalic"
                    android:textStyle="bold"
                    android:textSize="25dp"
                    android:gravity="center"
                    android: layout_height="wrap_content"/>
                <ImageView
                    android:layout_width="100dp"
                    android:layout_marginTop="10dp"
                    android:src="@drawable/ic_user"
                    android: layout_height="100dp"/>
                <LinearLavout
                    android: layout_width="match_parent"
                    android:orientation="vertical"
                    android:padding="20dp"
                    android:layout_height="wrap_content">
                    <com.google.android.material.textfield.TextInputLayout</pre>
                         android:layout_width="match_parent"
                         android:textColorHint="#FFFFFF"
                         app:hintTextColor="#FFFFFF"
                         android:layout_marginBottom="20dp"
                         android: layout_height="wrap_content">
<com.google.android.material.textfield.TextInputEditText</pre>
                             android:layout_width="match_parent"
                             android:hint="First Name"
```

```
android:id="@+id/first"
                             android:drawableTint="#ffffff"
                             android:fontFamily="@font/asap_medium"
                             android:textColor="#ffffff"
                             android:textColorHint="#ffffff"
                             android:layout_height="wrap_content"/>
</com.google.android.material.textfield.TextInputLayout>
                    <com.google.android.material.textfield.TextInputLayout</pre>
                         android:layout_width="match_parent"
                         android:textColorHint="#FFFFFF"
                         app:hintTextColor="#FFFFFF"
                         android:layout_marginBottom="20dp"
                         android:layout_height="wrap_content">
<com.google.android.material.textfield.TextInputEditText</pre>
                             android:layout_width="match_parent"
                             android:hint="Last Name"
                             android:id="@+id/last"
                             android:fontFamily="@font/asap_medium"
                             android:textColor="#ffffff"
                             android:textColorHint="#ffffff"
                             android:layout_height="wrap_content"/>
</com.google.android.material.textfield.TextInputLayout>
                    <com.google.android.material.textfield.TextInputLayout</pre>
                         android:layout_width="match_parent"
                         android:textColorHint="#FFFFFF"
                         app:hintTextColor="#FFFFFF"
                         android:layout_height="wrap_content">
<com.google.android.material.textfield.TextInputEditText</pre>
                             android:layout_width="match_parent"
                             android:hint="Email"
                             android:id="@+id/email"
                             android:fontFamily="@font/asap_medium"
                             android:textColor="#ffffff"
                             android:inputType="textEmailAddress"
                             android:textColorHint="#ffffff"
                             android:layout_height="wrap_content"/>
</com.google.android.material.textfield.TextInputLayout>
                    <com.google.android.material.textfield.TextInputLayout</pre>
                         android:layout_width="match_parent"
                         android:textColorHint="#FFFFFF"
                         app:hintTextColor="#FFFFFF"
                         android:layout_marginTop="20dp"
                         android:layout_height="wrap_content">
<com.google.android.material.textfield.TextInputEditText</pre>
                             android:layout width="match parent"
                             android:hint="Mobile No"
                             android:id="@+id/phone"
                             android:inputType="number"
                             android:fontFamily="@font/asap_medium"
                             android:textColor="#ffffff"
                             android:textColorHint="#ffffff"
                             android: layout_height="wrap_content"/>
</com.google.android.material.textfield.TextInputLayout>
                    <com.google.android.material.textfield.TextInputLayout</pre>
                         android:layout_width="match_parent"
                         android: layout marginTop="20dp"
                         app:hintTextColor="#FFFFFF"
```

```
android:textColorHint="#FFFFFF"
                        android: layout height="wrap content">
<com.google.android.material.textfield.TextInputEditText</pre>
                             android:lavout width="match parent"
                             android:hint="Password"
                             android:id="@+id/password"
                             android:inputType="textPassword"
                             android:fontFamily="@font/asap_medium"
                             android:textColor="#ffffff"
                             android:textColorHint="#ffffff"
                             android:layout_height="wrap_content"/>
</com.google.android.material.textfield.TextInputLayout>
                    <com.google.android.material.textfield.TextInputLayout</pre>
                         android: layout width="match parent"
                         android:layout marginTop="20dp"
                         app:hintTextColor="#FFFFFF"
                         android:textColorHint="#FFFFFF"
                         android:layout_height="wrap_content">
<com.google.android.material.textfield.TextInputEditText</pre>
                             android:layout_width="match_parent"
                             android:hint="Re-Password"
                             android:id="@+id/repassword"
                             android:inputType="textPassword"
                             android:fontFamily="@font/asap_medium"
                             android:textColor="#ffffff"
                             android:textColorHint="#ffffff"
                             android:layout_height="wrap_content"/>
</com.google.android.material.textfield.TextInputLayout>
                    <TextView
                         android:layout_width="match_parent"
                         android:text="Already Have Account?"
                         android: layout_gravity="end"
                         android:gravity="end"
                         android:id="@+id/account"
                         android:textSize="17dp"
                         android:layout_marginTop="10dp"
                         android:textColor="#FFFFFF"
                         android:fontFamily="@font/asap medium"
                         android:layout_height="wrap_content"/>
                </LinearLayout>
                <Button
                    android: layout_width="wrap_content"
                    android:text="SignUp"
                    android: layout_marginTop="20dp"
                    android:textColor="#FFFFFF"
                    android:textStyle="bold"
                    android:textSize="18dp"
                    android:layout_marginBottom="10dp"
                    android:id="@+id/signup"
                    android:fontFamily="@font/asap_bold"
                    android:background="@drawable/profile_back_button"
                    android: layout_height="wrap_content"/>
            </LinearLayout>
            <LinearLayout
                android:layout_width="match_parent"
                android:id="@+id/otplayout"
                android:visibility="gone"
                android: layout_gravity="center"
                android:gravity="center"
                android:padding="10dp"
```

```
android:orientation="vertical"
                android:layout_height="wrap_content">
                <com.google.android.material.textfield.TextInputLayout</pre>
                    android: layout_width="match_parent"
                    android: lavout marginTop="20dp"
                    app:hintTextColor="#FFFFFF"
                    android:layout_marginBottom="20dp"
                    android:textColorHint="#FFFFFF"
                    android:layout_height="wrap_content">
<com.google.android.material.textfield.TextInputEditText</pre>
                         android:layout_width="match_parent"
                        android:hint="OTP"
                        android:id="@+id/otp"
                        android:inputType="number"
                        android:fontFamily="@font/asap medium"
                        android:textColor="#ffffff"
                         android:textColorHint="#ffffff"
                         android:layout_height="wrap_content"/>
                </com.google.android.material.textfield.TextInputLayout>
                <Button
                    android: layout_width="wrap_content"
                    android:background="@drawable/profile_back_button"
                    android:text="Validate"
                    android:layout_marginTop="20dp"
                    android: layout_gravity="center"
                    android:gravity="center"
                    android:id="@+id/validateotp"
                    android:textColor="#FFFFFF"
                    android:textSize="18dp"
                    android:fontFamily="@font/asap_bold"
                    android:layout height="wrap content"/>
            </LinearLayout>
        </LinearLayout>
    </ScrollView>
</LinearLavout>
```

#### <u>Java</u>

## **Coding:**

## Login.java

```
package com.ceg.sharandeveloper.ceg;
import androidx.appcompat.app.ActionBar;
import androidx.appcompat.app.AppCompatActivity;
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;

public class login extends AppCompatActivity {
    EditText username, password;
    TextView forget, signup;
    Button login;
```

```
public static String susername, spassword;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_login);
        username=(EditText)findViewById(R.id.username);
        password=(EditText)findViewById(R.id.password);
        forget=(TextView)findViewById(R.id.forget);
        signup=(TextView)findViewById(R.id.signup);
        login=(Button)findViewById(R.id.login);
        login.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
if(username.getText().toString().equals("")&&password.getText().toString().
equals(""))
                {
                    username.setError("Please Enter The Phone No");
                    password.setError("Please Enter The Password");
                else if(username.getText().toString().equals(""))
                    username.setError("Please Enter The Phone No");
                else if(password.getText().toString().equals(""))
                    password.setError("Please Enter The Password");
                }
                else
                {
                    runOnUiThread(new Runnable() {
                        @Override
                        public void run() {
                            susername=username getText() toString();
                            spassword=password.getText().toString();
if(susername.equals("sharan")&&spassword.equals("12345"))
                                Toast makeText(login this,
"LoginSucessfully...", Toast.LENGTH_SHORT).show();
                            else
                                Toast makeText(login this,
"LoginFailed...", Toast.LENGTH_SHORT).show();
                    });
                }
            }
       });
```

```
signup.setOnClickListener(new View.OnClickListener() {
              @Override
              public void onClick(View v) {
                  Intent i=new Intent(login.this, signup.class);
                  startActivity(i);
          });
      private void hide() {
          // Hide UI first
          ActionBar actionBar = getSupportActionBar();
          if (actionBar != null) {
              actionBar.hide();
          }
      }
  }
Signup.java:
  package com.ceg.sharandeveloper.ceg;
  import androidx.appcompat.app.ActionBar;
  import androidx appcompat app AppCompatActivity;
  import android.content.Intent;
  import android os Bundle;
  import android view View;
  import android widget Button;
  import android.widget.EditText;
  import android.widget.LinearLayout;
  import android widget TextView;
  import com.ceg.sharandeveloper.ceg.utils.validator;
  import java util Random;
  public class signup extends AppCompatActivity {
      EditText firstname, lastname, email, phone, password, repassword;
      Button signup;
      TextView account;
      LinearLayout mainlayout, otplayout;
      Random rand;
      EditText textotp;
      Button otpvalidate;
      private static int otp;
      public static String sfirstname, slastname, semail, sphone, spassword;
      @Override
      protected void onCreate(Bundle savedInstanceState) {
          super.onCreate(savedInstanceState);
          setContentView(R.layout.activity_signup);
          firstname=(EditText)findViewById(R.id.first);
          lastname=(EditText)findViewById(R.id.last);
          email=(EditText)findViewById(R.id.email);
          phone=(EditText)findViewById(R.id.phone);
          password=(EditText)findViewById(R.id.password);
          repassword=(EditText)findViewById(R.id.repassword);
          signup=(Button)findViewById(R.id.signup);
          account=(TextView)findViewById(R.id.account);
          mainlayout=(LinearLayout)findViewById(R.id.mainlayout);
          otplayout=(LinearLayout)findViewById(R.id.otplayout);
          textotp=(EditText)findViewById(R.id.otp);
          otpvalidate=(Button)findViewById(R.id.validateotp);
```

```
rand = new Random();
        final validator validator=new validator();
        signup.setOnClickListener(new View.OnClickListener() {
            public void onClick(View v) {
if(firstname.getText().toString().equals("")&&lastname.getText().toString()
.equals("")&&email.getText().toString().equals("")&&phone.getText().toStrin
g().equals("")&&password.getText().toString().equals("")&&repassword.getTex
t() toString() equals(""))
                    firstname.setError("Please Enter The Firstname");
                    lastname.setError("Please Enter The Lastname");
                    email.setError("Please Enter The Email");
                    phone setError("Please Enter The MobileNo");
                    password.setError("Please Enter The Password");
                    repassword.setError("Please Enter The Re-Password");
                else if(firstname.getText().toString().equals(""))
                    firstname.setError("Please Enter The Firstname");
                else if(lastname.getText().toString().equals(""))
                    lastname.setError("Please Enter The Lastname");
                else if(email.getText().toString().equals("")||
!validator.isEmailValid(email.getText().toString()))
                    email.setError("Please Enter Valid Email");
                else
if(phone.getText().toString().equals("")||validator.isValidMobile(phone.get
Text().toString()))
                    phone.setError("Please Enter Valid MobileNo");
                else if(password.getText().toString().equals(""))
                    password.setError("Please Enter The Password");
                else
if(!validator.isValidPassword(password.getText().toString()))
                    password.setError("Password must be at least 8
characters long and contain A-Z, a-z, numeric and special characters");
                else if(repassword.getText().toString().equals(""))
                {
                    repassword.setError("Please Enter The Re-Password");
                else
if(!password.getText().toString().equals(repassword.getText().toString()))
                    repassword.setError("Please Enter The Correct
Password");
                else
                    sphone=phone.getText().toString();
```

```
}
            }
        });
        account.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent i=new Intent(signup.this, login.class);
                startActivity(i);
        });
    }
    private void hide() {
        // Hide UI first
        ActionBar actionBar = getSupportActionBar();
        if (actionBar != null) {
            actionBar.hide();
        }
    }
}
```

# **Screenshots:**

