activity\_main.xml activity\_login\_page

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| <?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"  tools:context=".MainActivity">   <TextView  android:id="@+id/textView"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:fontFamily="monospace"  android:text="@string/welcome\_to\_dashboard"  android:textColor="#673AB7"  android:textSize="24sp"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintLeft\_toLeftOf="parent"  app:layout\_constraintRight\_toRightOf="parent"  app:layout\_constraintTop\_toTopOf="parent"  app:layout\_constraintVertical\_bias="0.050000012" />   <Button  android:id="@+id/logout"  android:layout\_width="0dp"  android:layout\_height="wrap\_content"  android:layout\_marginStart="60dp"  android:layout\_marginEnd="60dp"  android:fontFamily="monospace"  android:text="@string/logout"  android:textSize="18sp"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toBottomOf="@+id/imageView" />   <ImageView  android:id="@+id/imageView"  android:layout\_width="142dp"  android:layout\_height="126dp"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintHorizontal\_bias="0.0"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toBottomOf="@+id/textView"  app:layout\_constraintVertical\_bias="0.16000003"  app:srcCompat="@drawable/user"  android:contentDescription="@string/todo" />   <TextView  android:id="@+id/userName"  android:layout\_width="0dp"  android:layout\_height="wrap\_content"  android:layout\_marginStart="16dp"  android:layout\_marginEnd="16dp"  android:fontFamily="monospace"  android:text="@string/your\_name"  android:textColor="@color/purple\_500"  app:layout\_constraintBottom\_toTopOf="@+id/logout"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintStart\_toEndOf="@+id/imageView"  app:layout\_constraintTop\_toBottomOf="@+id/textView"  app:layout\_constraintVertical\_bias="0.25" />   <TextView  android:id="@+id/userEmail"  android:layout\_width="0dp"  android:layout\_height="wrap\_content"  android:layout\_marginStart="16dp"  android:layout\_marginTop="12dp"  android:layout\_marginEnd="16dp"  android:fontFamily="monospace"  android:text="@string/your\_email\_address"  android:textColor="@color/purple\_500"  app:layout\_constraintBottom\_toTopOf="@+id/logout"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintStart\_toEndOf="@+id/imageView"  app:layout\_constraintTop\_toBottomOf="@+id/userName"  app:layout\_constraintVertical\_bias="0.00999999" />   <TextView  android:id="@+id/userPhone"  android:layout\_width="0dp"  android:layout\_height="wrap\_content"  android:layout\_marginStart="16dp"  android:layout\_marginTop="12dp"  android:layout\_marginEnd="16dp"  android:fontFamily="monospace"  android:text="@string/your\_phone\_no"  android:textColor="@color/purple\_500"  app:layout\_constraintBottom\_toTopOf="@+id/logout"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintStart\_toEndOf="@+id/imageView"  app:layout\_constraintTop\_toBottomOf="@+id/userEmail"  app:layout\_constraintVertical\_bias="0.0" />  </androidx.constraintlayout.widget.ConstraintLayout>  activity\_register\_page.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="@drawable/wallpaper"  tools:context=".RegisterPage">   <TextView  android:id="@+id/rTitle"  android:layout\_width="0dp"  android:layout\_height="wrap\_content"  android:fontFamily="monospace"  android:text="@string/authenticator\_app"  android:textAlignment="center"  android:textColor="@color/orange"  android:textSize="34sp"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toTopOf="parent"  app:layout\_constraintVertical\_bias="0.06999999" />   <TextView  android:id="@+id/createAct"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:fontFamily="monospace"  android:text="@string/create\_new\_account"  android:textColor="@color/white"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toBottomOf="@+id/rTitle"  app:layout\_constraintVertical\_bias="0.00999999" />   <EditText  android:id="@+id/nameEDT"  android:layout\_width="0dp"  android:layout\_height="wrap\_content"  android:layout\_marginStart="16dp"  android:layout\_marginTop="60dp"  android:layout\_marginEnd="16dp"  android:background="@color/orange"  android:ems="10"  android:fontFamily="monospace"  android:hint="@string/enter\_your\_name"  android:inputType="textPersonName"  android:minHeight="48dp"  android:padding="10sp"  android:text=""  android:textColor="@color/grey\_ish"  android:textColorHint="@color/grey\_ish"  android:textSize="20sp"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toBottomOf="@+id/createAct"  app:layout\_constraintVertical\_bias="0.0"  android:autofillHints="" />   <EditText  android:id="@+id/emailEDT"  android:layout\_width="0dp"  android:layout\_height="wrap\_content"  android:layout\_marginStart="16dp"  android:layout\_marginTop="16dp"  android:layout\_marginEnd="16dp"  android:background="@color/orange"  app:layout\_constraintTop\_toBottomOf="@+id/emailEDT"  app:layout\_constraintVertical\_bias="0.0" />   <EditText  android:id="@+id/phoneEDT"  android:layout\_width="0dp"  android:layout\_height="wrap\_content"  android:layout\_marginStart="16dp"  android:layout\_marginTop="16dp"  android:layout\_marginEnd="16dp"  android:background="@color/orange"  android:ems="10"  android:fontFamily="monospace"  android:hint="@string/enter\_your\_phone\_no"  android:inputType="phone"  android:minHeight="48dp"  android:padding="10sp"  android:textColor="@color/grey\_ish"  android:textColorHint="@color/grey\_ish"  android:textSize="20sp"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toBottomOf="@+id/passwordEDT"  app:layout\_constraintVertical\_bias="0.0"  android:autofillHints="" />   <Button  android:id="@+id/register\_button"  android:layout\_width="0dp"  android:layout\_height="wrap\_content"  android:layout\_marginStart="16dp"  android:layout\_marginTop="24dp"  android:layout\_marginEnd="16dp"  android:background="@color/grey\_ish"  android:fontFamily="monospace"  android:text="@string/register"  LoginPage.java  package com.example.authenticatorapp;  import androidx.annotation.NonNull; import androidx.appcompat.app.AlertDialog; import androidx.appcompat.app.AppCompatActivity;  import android.content.DialogInterface; import android.content.Intent; import android.os.Bundle; import android.text.TextUtils; import android.view.View; import android.view.Window; import android.view.WindowManager; import android.widget.Button; import android.widget.EditText; import android.widget.ProgressBar; import android.widget.TextView; import android.widget.Toast;  import com.google.android.gms.tasks.OnCompleteListener; import com.google.android.gms.tasks.OnFailureListener; import com.google.android.gms.tasks.OnSuccessListener; import com.google.android.gms.tasks.Task; import com.google.firebase.auth.AuthResult; import com.google.firebase.auth.FirebaseAuth;  public class LoginPage extends AppCompatActivity {   private EditText email,password;  private TextView createBtn,forgotpass;  private Button loginBtn;  private ProgressBar lpbar;  private FirebaseAuth fAuth;   @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  requestWindowFeature(Window.*FEATURE\_NO\_TITLE*);  this.getWindow().setFlags  (WindowManager.LayoutParams.  *FLAG\_FULLSCREEN*,  WindowManager.LayoutParams.*FLAG\_FULLSCREEN*);  getSupportActionBar().hide();  setContentView(R.layout.*activity\_login\_page*);  loginBtn=findViewById(R.id.*lbutton*);  lpbar=findViewById(R.id.*progressBar*);  email=findViewById(R.id.*emailEDT*);  password=findViewById(R.id.*passwordEDT*);  createBtn=findViewById(R.id.*registerTV*);  fAuth = FirebaseAuth.*getInstance*();  forgotpass=findViewById(R.id.*forgotPassTV*);   loginBtn.setOnClickListener(new  View.OnClickListener() {  @Override  public void onClick(View view) {  String eMail = email.getText().toString().trim();  String passWord = password.getText().toString().trim();   if (TextUtils.*isEmpty*(eMail) && TextUtils.*isEmpty*(passWord)){  email.setError("Email  is required");  password.setError("Password  is required");  return;  }   if (TextUtils.*isEmpty*(eMail)){  email.setError("Email is required");  return;  }   if (TextUtils.*isEmpty*(passWord)){  password.setError("Password  is required");  return;  }   if (passWord.length() < 5){  password.setError("Password  must be at least of 5 characters");  return;  }   lpbar.setVisibility(View.*VISIBLE*);   // authenticate the user  fAuth.signInWithEmailAndPassword  (eMail,passWord).addOnCompleteListener(new OnCompleteListener<AuthResult>() {  @Override  public void onComplete(@NonNull Task<AuthResult> task) {  if(task.isSuccessful()){  Toast.*makeText*(LoginPage.this, "Logged In Successfully.", Toast.*LENGTH\_SHORT*).show();  startActivity(new Intent(getApplicationContext(), MainActivity.class));  }  else{  Toast.*makeText*(LoginPage.this, "Error! " + task.getException().getMessage(), Toast.*LENGTH\_SHORT*).show();  lpbar.setVisibility(View.*GONE*);  }  }  });    }  });  createBtn.setOnClickListener(new View.OnClickListener() {  @Override  public void onClick(View view) {  lpbar.setVisibility(view.*VISIBLE*);  startActivity(new Intent(getApplicationContext(),RegisterPage.class));  }  });   forgotpass.setOnClickListener(new View.OnClickListener() {  @Override  public void onClick(View view) {  EditText resetMail = new EditText((view.getContext()));  AlertDialog.Builder  passwordResetDialog = new AlertDialog.Builder((view.getContext()));  passwordResetDialog.setTitle("Reset Password?");  passwordResetDialog.setMessage("Enter Your Email To Receive Reset Link");  passwordResetDialog.setView(resetMail);   passwordResetDialog.setPositiveButton  ("Yes", new DialogInterface.OnClickListener() {  @Override  public void onClick(DialogInterface dialogInterface, int i) {  // extract the email and send reset link   String mail = resetMail.getText().toString();  fAuth.sendPasswordResetEmail(mail)  .addOnSuccessListener(new OnSuccessListener<Void>() {  @Override  public void onSuccess(Void unused) {  Toast.*makeText*(LoginPage.this,"Reset Link Sent To Your Email",Toast.*LENGTH\_SHORT*).show();  }  }).addOnFailureListener(new OnFailureListener() {  @Override  public void onFailure(@NonNull Exception e) {  Toast.*makeText*(LoginPage.this, "Error! Reset Link Is Not Sent"+e.getMessage(), Toast.*LENGTH\_SHORT*).show();  }  });  }  });   passwordResetDialog.setNegativeButton("No", new DialogInterface.OnClickListener() {  @Override  public void onClick(DialogInterface dialogInterface, int i) {  //close the dialog  }  });  passwordResetDialog.create().show();  }  });  } }  MainActivity.java  package com.example.authenticatorapp;  import static android.service.controls.  ControlsProviderService.*TAG*;  import androidx.annotation.NonNull; import androidx.annotation.Nullable; import androidx.appcompat.app.AppCompatActivity;  import android.content.Intent; import android.os.Bundle; import android.util.Log; import android.view.View; import android.view.Window; import android.view.WindowManager; import android.widget.Button; import android.widget.TextView;  import com.google.android.gms.tasks.OnCompleteListener; import com.google.android.gms.tasks.Task; import com.google.firebase.auth.FirebaseAuth; import com.google.firebase.firestore.DocumentReference; import com.google.firebase.firestore.DocumentSnapshot; import com.google.firebase.firestore.EventListener; import com.google.firebase.firestore.FirebaseFirestore; import com.google.firebase.firestore.FirebaseFirestoreException; import com.google.firebase.firestore.QueryDocumentSnapshot; import com.google.firebase.firestore.QuerySnapshot;  public class MainActivity extends AppCompatActivity {   private TextView uName,uEmail,uPhone;  private Button logout;  FirebaseAuth fAuth;  FirebaseFirestore fStore;  String userID;   @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  requestWindowFeature(Window.*FEATURE\_NO\_TITLE*);  this.getWindow().setFlags(WindowManager.  LayoutParams.*FLAG\_FULLSCREEN*,WindowManager.LayoutParams.*FLAG\_FULLSCREEN*);  getSupportActionBar().hide();  setContentView(R.layout.*activity\_main*);   uName = findViewById(R.id.*userName*);  uEmail = findViewById(R.id.*userEmail*);  uPhone = findViewById(R.id.*userPhone*);  logout = findViewById(R.id.*logout*);  fStore = FirebaseFirestore.*getInstance*();  fAuth = FirebaseAuth.*getInstance*();  userID = fAuth.getCurrentUser().getUid();   fStore.collection("users").get().addOnCompleteListener(new OnCompleteListener<QuerySnapshot>() {  @Override  public void onComplete(@NonNull Task<QuerySnapshot> task) {  if (task.isSuccessful()) {  for (QueryDocumentSnapshot document : task.getResult()) {  Log.*d*(*TAG*, document.getId() + " => " + document.getData());  }  } else {  Log.*w*(*TAG*, "Error getting documents.", task.getException());  }  }  });   logout.setOnClickListener(new View.OnClickListener() {  @Override  public void onClick(View view) {  FirebaseAuth.*getInstance*().signOut();  startActivity(new Intent(getApplicationContext(),LoginPage.class));  finish();  }  });  } }  AndroidManifest.xml  <?xml version="1.0" encoding="utf-8"?> <manifest xmlns:android="http://schemas.android.com/apk/res/android"  package="com.example.authenticatorapp">   <application  android:allowBackup="true"  android:icon="@mipmap/ic\_launcher"  android:label="@string/app\_name"  android:roundIcon="@mipmap/ic\_launcher\_round"  android:supportsRtl="true"  android:theme="@style/Theme.AuthenticatorApp">  <activity  android:name=".LoginPage"  android:exported="false" />  <activity  android:name=".RegisterPage"  android:exported="true">  <intent-filter>  <action android:name="android.intent.action.MAIN" />   <category android:name="android.intent.category.LAUNCHER" />  </intent-filter>  </activity>  <activity  android:name=".MainActivity"  android:exported="true">  <intent-filter>  <action android:name="android.intent.action.MAIN" />   <category android:name="android.intent.category.LAUNCHER" />  </intent-filter>  </activity>  </application>  </manifest> | <?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="@drawable/wallpaper"  tools:context=".LoginPage">   <TextView  android:id="@+id/rTitle"  android:layout\_width="0dp"  android:layout\_height="wrap\_content"  android:fontFamily="monospace"  android:text="@string/authenticator\_app"  android:textAlignment="center"  android:textColor="#EF6C00"  android:textSize="34sp"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toTopOf="parent"  app:layout\_constraintVertical\_bias="0.06999999" />   <TextView  android:id="@+id/createAct"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:fontFamily="monospace"  android:text="@string/create\_new\_account"  android:textColor="@color/white"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toBottomOf="@+id/rTitle"  app:layout\_constraintVertical\_bias="0.00999999" />   <EditText  android:id="@+id/emailEDT"  android:layout\_width="0dp"  android:layout\_height="wrap\_content"  android:layout\_marginStart="16dp"  android:layout\_marginEnd="16dp"  android:autofillHints=""  android:background="@color/orange"  android:ems="10"  android:fontFamily="monospace"  android:hint="@string/enter\_your\_email\_id"  android:inputType="textEmailAddress"  android:minHeight="48dp"  android:padding="10sp"  android:textColor="@color/grey\_ish"  android:textColorHint="@color/grey\_ish"  android:textSize="20sp"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toBottomOf="@+id/createAct"  app:layout\_constraintVertical\_bias="0.13" />   <EditText  android:id="@+id/passwordEDT"  android:layout\_width="0dp"  android:layout\_height="wrap\_content"  android:layout\_marginStart="16dp"  android:layout\_marginTop="16dp"  android:layout\_marginEnd="16dp"  android:autofillHints=""  android:background="@color/orange"  android:ems="10"  android:fontFamily="monospace"  android:hint="@string/enter\_password"  android:inputType="textPassword"  android:minHeight="48dp"  android:padding="10sp"  android:textColor="@color/grey\_ish"  android:textColorHint="@color/grey\_ish"  android:textSize="20sp"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toBottomOf="@+id/emailEDT"  app:layout\_constraintVertical\_bias="0.0" />   <Button  android:id="@+id/lbutton"  android:layout\_width="0dp"  android:layout\_height="wrap\_content"  android:layout\_marginStart="16dp"  android:layout\_marginTop="24dp"  android:layout\_marginEnd="16dp"  android:background="@color/grey\_ish"  android:fontFamily="monospace"  android:text="@string/login"  android:textColor="@color/orange"  android:textSize="20sp"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toBottomOf="@+id/passwordEDT"  app:layout\_constraintVertical\_bias="0.0" />   <TextView  android:id="@+id/registerTV"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_marginTop="16dp"  android:fontFamily="monospace"  android:text="@string/don\_t\_have\_an\_account\_register\_here"  android:textColor="@color/white"  android:textSize="16sp"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toBottomOf="@+id/lbutton"  app:layout\_constraintVertical\_bias="0.0" />   <TextView  android:id="@+id/forgotPassTV"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:fontFamily="monospace"  android:text="Forgot Password"  android:textColor="@color/white"  android:textSize="16sp"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toBottomOf="@+id/registerTV"  app:layout\_constraintVertical\_bias="0.100000024" />    <ProgressBar  android:id="@+id/progressBar"  style="?android:attr/progressBarStyle"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:visibility="invisible"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toBottomOf="@+id/forgotPassTV" />  </androidx.constraintlayout.widget.ConstraintLayout>      activity\_register\_page.xml  android:ems="10"  android:fontFamily="monospace"  android:hint="@string/enter\_your\_name"  android:inputType="textPersonName"  android:minHeight="48dp"  android:padding="10sp"  android:text=""  android:textColor="@color/grey\_ish"  android:textColorHint="@color/grey\_ish"  android:textSize="20sp"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toBottomOf="@+id/createAct"  app:layout\_constraintVertical\_bias="0.0"  android:autofillHints="" />  <EditText  android:id="@+id/emailEDT"  android:layout\_width="0dp"  android:layout\_height="wrap\_content"  android:layout\_marginStart="16dp"  android:layout\_marginTop="16dp"  android:layout\_marginEnd="16dp"  android:background="@color/orange"  android:ems="10"  android:fontFamily="monospace"  android:hint="@string/enter\_your\_email\_id"  android:inputType="textEmailAddress"  android:minHeight="48dp"  android:padding="10sp"  android:textColor="@color/grey\_ish"  android:textColorHint="@color/grey\_ish"  android:textSize="20sp"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintStart\_toStartOf="parent"  android:textSize="20sp"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toBottomOf="@+id/phoneEDT"  app:layout\_constraintVertical\_bias="0.0" />   <TextView  android:id="@+id/loginTV"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:layout\_marginTop="16dp"  android:fontFamily="monospace"  android:text="@string/already\_have\_an\_account\_login\_here"  android:textColor="@color/white"  android:textSize="16sp"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toBottomOf="@+id/register\_button"  app:layout\_constraintVertical\_bias="0.0" />   <ProgressBar  android:id="@+id/progressBar"  style="?android:attr/progressBarStyle"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:visibility="invisible"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toBottomOf="@+id/loginTV" />   </androidx.constraintlayout.widget.ConstraintLayout>  RegisterPage.xml  package com.example.authenticatorapp;  import static android.content.ContentValues.*TAG*;  import androidx.annotation.NonNull; import androidx.appcompat.app.AppCompatActivity;  import android.content.Intent; import android.os.Bundle; import android.text.TextUtils; import android.util.Log; import android.view.View; import android.view.Window; import android.view.WindowManager; import android.widget.Button; import android.widget.EditText; import android.widget.ProgressBar; import android.widget.TextView; import android.widget.Toast;  import com.google.android.gms.tasks.OnCompleteListener; import com.google.android.gms.tasks.OnFailureListener; import com.google.android.gms.tasks.OnSuccessListener; import com.google.android.gms.tasks.Task; import com.google.firebase.auth.AuthResult; import com.google.firebase.auth.FirebaseAuth; import com.google.firebase.firestore.DocumentReference; import com.google.firebase.firestore.FirebaseFirestore;  import java.util.HashMap; import java.util.Map;  public class RegisterPage extends AppCompatActivity {   private TextView register\_title,titleDown,loginbtn;  private EditText fullName,email,password,phone\_no;  private Button registerButton;  private ProgressBar rpbar;  private FirebaseAuth fAuth;  private FirebaseFirestore fStore;  String userID;   @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  requestWindowFeature(Window.*FEATURE\_NO\_TITLE*);  this.getWindow().setFlags(WindowManager.LayoutParams.  *FLAG\_FULLSCREEN*,WindowManager.LayoutParams.*FLAG\_FULLSCREEN*);  getSupportActionBar().hide();  setContentView(R.layout.*activity\_register\_page*);  register\_title=findViewById(R.id.*rTitle*);  titleDown=findViewById(R.id.*createAct*);  fullName=findViewById(R.id.*nameEDT*);  email=findViewById(R.id.*emailEDT*);  password=findViewById(R.id.*passwordEDT*);  phone\_no=findViewById(R.id.*phoneEDT*);  registerButton=findViewById(R.id.*register\_button*);  rpbar=findViewById(R.id.*progressBar*);  fAuth = FirebaseAuth.*getInstance*();  loginbtn=findViewById(R.id.*loginTV*);  fStore=FirebaseFirestore.*getInstance*();    if(fAuth.getCurrentUser() != null){  startActivity(new Intent(getApplicationContext(),MainActivity.class));  finish();  }   registerButton.setOnClickListener(new View.OnClickListener() {  @Override  public void onClick(View view) {  String eMail = email.getText().toString().trim();  String passWord = password.getText().toString().trim();  String name = fullName.getText().toString();  String phno = phone\_no.getText().toString();   if (TextUtils.*isEmpty*(eMail) && TextUtils.*isEmpty*(passWord) && TextUtils.*isEmpty*(name) && TextUtils.*isEmpty*(phno)){  email.setError("Email is required");  password.setError("Password is required");  fullName.setError("Name is required");  phone\_no.setError("Phone No. is required");  return;  }   if (TextUtils.*isEmpty*(name)){  fullName.setError("Name is required");  return;  }   if (TextUtils.*isEmpty*(eMail)){  email.setError("Email is required");  return;  }   if (TextUtils.*isEmpty*(passWord)){  password.setError("Password is required");  return;  }   if (passWord.length() < 5){  password.setError("Password must be at least of 5 characters");  return;  }   if (TextUtils.*isEmpty*(phno)){  phone\_no.setError("Phone No. is required");  return;  }   if (phno.length() < 10 || phno.length() > 10){  phone\_no.setError("Invalid Phone No.");  return;  }   rpbar.setVisibility(View.*VISIBLE*);   // register user in firebase  fAuth.createUserWithEmailAndPassword  (eMail,passWord).addOnCompleteListener((task -> {  if (task.isSuccessful()) {  Toast.*makeText*(RegisterPage.this, "User Created.", Toast.*LENGTH\_SHORT*).show();  userID=fAuth.getCurrentUser().getUid();  Map<String,Object> user = new HashMap<>();  user.put("fName",fullName.getText().toString());  user.put("email",email.getText().toString());  user.put("phone",phone\_no.getText().toString());  fStore.collection("users").add(user).addOnSuccessListener(new OnSuccessListener<DocumentReference>() {  @Override  public void onSuccess(DocumentReference documentReference) {  Log.*d*("sORf","DocumentSnapShot added with ID: "+documentReference.getId());  }  }).addOnFailureListener(new OnFailureListener() {  @Override  public void onFailure(@NonNull Exception e) {  Log.*w*("sORf","Error adding document",e);  }  });  startActivity(new Intent(getApplicationContext(), MainActivity.class));  } else {  Toast.*makeText*(RegisterPage.this, "Error! " + task.getException().getMessage(), Toast.*LENGTH\_SHORT*).show();  rpbar.setVisibility(View.*GONE*);  }  }));    }  });  loginbtn.setOnClickListener(new View.OnClickListener() {  @Override  public void onClick(View view) {  rpbar.setVisibility(view.*VISIBLE*);  startActivity(new Intent(getApplicationContext(),LoginPage.class));  }  });     } }  Strings.xml  <resources>  <string name="app\_name">AuthenticatorApp</string>  <string name="authenticator\_app">Authenticator App</string>  <string name="enter\_your\_name">Enter Your Name</string>  <string name="create\_new\_account">Create New Account</string>  <string name="enter\_your\_email\_id">Enter Your Email ID</string>  <string name="enter\_password">Enter Password</string>  <string name="enter\_your\_phone\_no">Enter Your Phone No</string>  <string name="register">Register</string>  <string name="already\_have\_an\_account\_login\_here">Already Have An Account? Login Here</string>  <string name="login">Login</string>  <string name="don\_t\_have\_an\_account\_register\_here">Don\'t Have An Account? Register Here</string>  <string name="login\_here">Login Here</string>  <string name="register\_here">Register Here</string>  <string name="welcome\_to\_dashboard">Welcome To Dashboard</string>  <string name="logout">Logout</string>  <string name="todo">TODO</string>  <string name="textview">TextView</string>  <string name="your\_name">Your Name</string>  <string name="your\_email\_address">Your Email Address</string>  <string name="your\_phone\_no">Your Phone No</string> </resources> |