Activity\_registration.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"  
 tools:context=".RegistrationActivity"**>  
  
 <**EditText  
 android:id="@+id/etUserName"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:ems="10"  
 android:inputType="textPersonName"  
 android:hint="Enter Your Name:"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.497"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.266"** />  
  
 <**EditText  
 android:id="@+id/etUserEmail"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="92dp"  
 android:ems="10"  
 android:hint="Enter Your Email:"  
 android:inputType="textEmailAddress"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.497"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/etUserName"** />  
  
 <**EditText  
 android:id="@+id/etUserPassword2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:ems="10"  
 android:inputType="textPassword"  
 android:hint="Enter Your Password:"  
 tools:layout\_editor\_absoluteX="100dp"  
 tools:layout\_editor\_absoluteY="438dp"  
 tools:ignore="MissingConstraints"** />  
  
 <**Button  
 android:id="@+id/btnRegister"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Button"  
 tools:layout\_editor\_absoluteX="170dp"  
 tools:layout\_editor\_absoluteY="562dp"  
 tools:ignore="MissingConstraints"** />  
  
 <**TextView  
 android:id="@+id/vtAlreadySigned"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Already Signed In"  
 tools:layout\_editor\_absoluteX="181dp"  
 tools:layout\_editor\_absoluteY="672dp"  
 tools:ignore="MissingConstraints"** />  
  
</**androidx.constraintlayout.widget.ConstraintLayout**>

Activity/-main2.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"  
 tools:context=".MainActivity2"**>  
  
 <**TextView  
 android:id="@+id/textView"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Wecome in the second activity"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"** />  
</**androidx.constraintlayout.widget.ConstraintLayout**>

**Registration\_activity.java**

**package** com.example.loginwithdb;  
  
**import** androidx.annotation.NonNull;  
**import** androidx.appcompat.app.AppCompatActivity;  
  
**import** android.content.Intent;  
**import** android.hardware.biometrics.BiometricPrompt;  
**import** android.media.MediaPlayer;  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.widget.Button;  
**import** android.widget.EditText;  
**import** android.widget.TextView;  
**import** android.widget.Toast;  
  
**import** com.google.firebase.auth.FirebaseAuth;  
  
**public class** RegistrationActivity **extends** AppCompatActivity {  
 **private** EditText **userName**, **userPassword**, **userEmail**;  
 **private** Button **regButton**;  
 **private** TextView **userLogin**;  
 **private** FirebaseAuth **firebaseAuth**;  
  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_registration***);  
 setupUIViews();  
 **firebaseAuth** = FirebaseAuth.getInstance();  
 **regButton**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View view) {  
 validate(**userName**.getText().toString(),**userEmail**.getText().toString(), **userPassword**.getText().toString());  
  
 }  
 });  
  
 **userLogin**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View view) {  
 Intent intent = **new** Intent(RegistrationActivity.**this**, MainActivity.**class**);  
 startActivity(intent);  
 }  
 });  
 }  
  
 **private void** setupUIViews() {  
 **userName**= (EditText)findViewById(R.id.***etUserName***);  
 **userPassword** = (EditText)findViewById(R.id.***etUserPassword2***);  
 **userEmail** = (EditText)findViewById(R.id.***etUserEmail***);  
 **regButton** = (Button) findViewById(R.id.***btnRegister***);  
 **userLogin** = (TextView) findViewById(R.id.***tvRegister***);  
 }  
 **private void** validate(String userName, String userEmail, String userPassword){  
 **if**( userName.isEmpty() || userPassword.isEmpty()|| userEmail.isEmpty()) {  
 Toast.*makeText*(**this**,**" Please enter all the details correctly"**, Toast.***LENGTH\_SHORT***).show();  
 }  
  
 **else**{  
 *//* String user\_email = userEmail.getText().toString().trim();  
 String user\_password = userPassword.getText().toString().trim();  
 **firebaseAuth**.createUserWithEmailAndPassword(user\_email,user\_password).addCompleteListener(**new** MediaPlayer.OnCompletionListener()){  
 **public void** onComplete(@NonNull Task<BiometricPrompt.AuthenticationResult> task) {  
 **if** (task.successful()){  
 Toast.*makeText*(**this**,**" Registration Succesful"**, Toast.***LENGTH\_SHORT***).show();  
 startActivity( **new** Intent(RegistrationActivity.**this**, MainActivity.**class**));  
  
 }  
 **else** {  
 Toast.*makeText*(**this**,**" Registration Failed"**, Toast.***LENGTH\_SHORT***).show();  
 }  
 }  
 }  
 }  
  
  
 }  
}

**Main\_activity.java**

**package** com.example.loginwithdb;  
  
**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** MainActivity **extends** AppCompatActivity {  
 **private** EditText **Name**;  
 **private** EditText **Password**;  
 **private** Button **Login**;  
 **private** TextView **userRegistration**;  
  
 @Override  
 **public void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
 **Name**= (EditText)findViewById(R.id.***etname***);  
 **Password** = (EditText)findViewById(R.id.***etPassword***);  
 **Login** = (Button) findViewById(R.id.***btnLogin***);  
 **userRegistration** = (TextView) findViewById(R.id.***tvRegister***);  
  
 **Login**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View view) {  
 validate(**Name**.getText().toString(),**Password**.getText().toString());  
  
 }  
 });  
 **public void** onClick(View view){  
 startActivity( **new** Intent(MainActivity.**this**, RegistrationActivity.**class**));  
  
 }  
 }  
  
 **private void** validate(String userName, String userPassword){  
 **if**((userName.equals(**"Admin"**)) && (userPassword.equals(**"1234"**))) {  
 Toast.*makeText*(MainActivity.**this**,**"Welcome Admin"**, Toast.***LENGTH\_SHORT***).show();  
 Intent intent = **new** Intent(MainActivity.**this**, MainActivity2.**class**);  
 startActivity(intent);  
 }  
 **else if**( userName.isEmpty() || userPassword.isEmpty()) {  
 Toast.*makeText*(MainActivity.**this**,**" Please enter all the details correctly"**, Toast.***LENGTH\_SHORT***).show();  
 }  
  
 **else**{  
 Toast.*makeText*(MainActivity.**this**,**" Not Valid Credentials"**, Toast.***LENGTH\_SHORT***).show();  
 }  
 }  
}

**Main\_activity2.java**

**package** com.example.loginwithdb;  
  
**import** androidx.appcompat.app.AppCompatActivity;  
  
**import** android.os.Bundle;  
  
**public class** MainActivity2 **extends** AppCompatActivity {  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main2***);  
 }  
}