Main activity file

package com.example.form;  
  
import android.os.Bundle;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.widget.EditText;  
  
import android.view.View;  
  
public class MainActivity extends AppCompatActivity {  
 EditText Name, Pass , updateold, updatenew, delete;  
 DBHelper helper;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 Name= (EditText) findViewById(R.id.*editName*);  
 Pass= (EditText) findViewById(R.id.*editPass*);  
 updateold= (EditText) findViewById(R.id.*editText3*);  
 updatenew= (EditText) findViewById(R.id.*editText5*);  
 delete = (EditText) findViewById(R.id.*editText6*);  
  
 helper = new DBHelper(this);  
 }  
 public void addUser(View view)  
 {  
 String t1 = Name.getText().toString();  
 String t2 = Pass.getText().toString();  
 if(t1.isEmpty() || t2.isEmpty())  
 {  
 Message.*message*(getApplicationContext(),"Enter Both Name and Password");  
 }  
 else  
 {  
 long id = helper.insertData(t1,t2);  
 if(id<=0)  
 {  
 Message.*message*(getApplicationContext(),"Insertion Unsuccessful");  
 Name.setText("");  
 Pass.setText("");  
 } else  
 {  
 Message.*message*(getApplicationContext(),"Insertion Successful");  
 Name.setText("");  
 Pass.setText("");  
 }  
 }  
 }  
  
 public void viewdata(View view)  
 {  
 String data = helper.getData().toString();  
 Message.*message*(this,data);  
 }  
  
 public void update( View view)  
 {  
 String u1 = updateold.getText().toString();  
 String u2 = updatenew.getText().toString();  
 if(u1.isEmpty() || u2.isEmpty())  
 {  
 Message.*message*(getApplicationContext(),"Enter Data");  
 }  
 else  
 {  
 int a= helper.updateName( u1, u2);  
 if(a<=0)  
 {  
 Message.*message*(getApplicationContext(),"Unsuccessful");  
 updateold.setText("");  
 updatenew.setText("");  
 } else {  
 Message.*message*(getApplicationContext(),"Updated");  
 updateold.setText("");  
 updatenew.setText("");  
 }  
 }  
  
 }  
 public void delete( View view)  
 {  
 String uname = delete.getText().toString();  
 if(uname.isEmpty())  
 {  
 Message.*message*(getApplicationContext(),"Enter Data");  
 }  
 else{  
 int a= helper.delete(uname);  
 if(a<=0)  
 {  
 Message.*message*(getApplicationContext(),"Unsuccessful");  
 delete.setText("");  
 }  
 else  
 {  
 Message.*message*(this, "DELETED");  
 delete.setText("");  
 }  
 }  
 }  
}

activity main.xml

<?xml version="1.0" encoding="utf-8"?>  
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:id="@+id/activity\_main"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:padding="@dimen/activity\_vertical\_margin"  
 android:background="@android:color/holo\_blue\_dark"  
 tools:context=".MainActivity">  
  
 <TextView  
 android:id="@+id/textView"  
 android:text="@string/username"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="12dp"  
 android:textSize="18sp"  
 android:textStyle="bold|italic"  
 android:gravity="center" />  
  
 <EditText  
 android:id="@+id/editName"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@id/textView"  
 android:layout\_marginTop="8dp"  
 android:inputType="textPersonName"  
 android:ems="10"  
 android:textStyle="bold|italic"  
 android:hint="Enter Name"  
 android:gravity="center\_vertical|center" />  
  
 <TextView  
 android:id="@+id/textView2"  
 android:text="@string/password"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@id/editName"  
 android:layout\_marginTop="13dp"  
 android:textSize="18sp"  
 android:textStyle="bold|italic"  
 android:gravity="center"  
 android:hint="Enter Password" />  
  
 <EditText  
 android:id="@+id/editPass"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@id/textView2"  
 android:layout\_marginTop="8dp"  
 android:inputType="textPassword"  
 android:ems="10"  
 android:hint="Enter Password"  
 android:gravity="center\_vertical|center"  
 android:textSize="18sp"  
 android:textStyle="normal|bold" />  
  
 <Button  
 android:id="@+id/button"  
 android:text="@string/add\_user"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@id/editPass"  
 android:layout\_marginTop="24dp"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentLeft="true"  
 android:onClick="addUser"  
 android:textStyle="bold|italic"  
 android:textSize="18sp" />  
  
 <Button  
 android:id="@+id/button2"  
 android:text="@string/view\_data"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@id/editPass"  
 android:layout\_marginTop="24dp"  
 android:layout\_toEndOf="@id/button"  
 android:layout\_toRightOf="@id/button"  
 android:onClick="viewdata"  
 android:textStyle="bold|italic"  
 android:textSize="18sp" />  
  
 <EditText  
 android:id="@+id/editText3"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@id/button2"  
 android:layout\_marginTop="24dp"  
 android:inputType="textPersonName"  
 android:ems="10"  
 android:hint="Current Name"  
 android:textStyle="bold|italic"  
 android:textSize="14sp" />  
  
 <EditText  
 android:id="@+id/editText5"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@id/editText3"  
 android:layout\_marginTop="24dp"  
 android:layout\_alignStart="@id/editText3"  
 android:layout\_alignLeft="@id/editText3"  
 android:inputType="textPersonName"  
 android:ems="10"  
 android:hint="New Name"  
 android:textStyle="bold|italic"  
 android:textSize="14sp" />  
  
 <Button  
 android:id="@+id/button3"  
 android:text="@string/update"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@id/editText5"  
 android:layout\_marginTop="24dp"  
 android:layout\_alignStart="@id/button2"  
 android:layout\_alignLeft="@id/button2"  
 android:onClick="update"  
 android:textStyle="normal|bold" />  
  
 <EditText  
 android:id="@+id/editText6"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@id/button3"  
 android:layout\_marginTop="24dp"  
 android:layout\_alignStart="@id/button3"  
 android:layout\_alignLeft="@id/button3"  
 android:layout\_alignParentBottom="true"  
 android:hint="Enter Name to Delete Data"  
 android:inputType="textPersonName"  
 android:ems="10"  
 android:freezesText="false"  
 android:textStyle="bold|italic" />  
  
 <Button  
 android:id="@+id/button4"  
 android:text="@string/delete"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignBottom="@id/editText6"  
 android:layout\_alignParentRight="true"  
 android:layout\_alignParentEnd="true"  
 android:layout\_marginBottom="24dp"  
 android:onClick="delete"  
 android:textStyle="normal|bold" />  
  
</RelativeLayout>

res/values/dimens.xml

<resources>  
 <dimen name="activity\_vertical\_margin">16dp</dimen>  
</resources>

res/values/strings.xml

<resources>  
 <string name="app\_name">YourAppName</string>  
 <string name="username">Username</string>  
 <string name="password">Password</string>  
 <string name="add\_user">Add User</string>  
 <string name="view\_data">View Data</string>  
 <string name="update">Update</string>  
 <string name="delete">Delete</string>  
</resources>

build.gradle

dependencies **{** implementation libs.appcompat  
 implementation libs.material  
 implementation libs.activity  
 implementation libs.constraintlayout  
 testImplementation libs.junit  
 androidTestImplementation libs.ext.junit  
 androidTestImplementation libs.espresso.core  
 implementation 'androidx.sqlite:sqlite:2.2.0'  
 implementation 'androidx.room:room-ktx:2.4.0-alpha03'  
**}**