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| Министерство образования Российской Федерации  Пензенский государственный университет  Кафедра «Вычислительная техника» |
| Отчет  по лабораторной работе №5  по курсу «Графические интерфейсы Android и Qt»  на тему «SQLite для хранения данных» |
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| Выполнила студентка группы 19ВВ3.2:  Ханбекова Е. В.  Принял:  Митрохин М. А. |
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Задание:

1 В приведенном примере кода загруженные данные о пользователях выводятся в лог. Реализуйте вывод загруженных данных на экран.

2 Реализуйте метод проверки пары Логин – Пароль для авторизации в приложении.

3 Реализуйте метод изменения пароля для авторизованного пользователя.

4 Реализуйте метод удаления пользователя (по логину) из БД.

Листинг программы:

Файл ChangePassActivity.java

package com.example.lab2;  
  
import android.content.Context;  
import android.content.Intent;  
import android.content.SharedPreferences;  
import android.os.Bundle;  
import android.support.v7.app.AppCompatActivity;  
import android.util.Log;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
  
public class ChangePassActivity extends AppCompatActivity {  
 DatabaseHandler db = new DatabaseHandler(this);  
 public static final String *APP\_PREFERENCES* = "mysettings";  
 public static final int *APP\_PREFERENCES\_THEME* = 1;  
 int positionTheme;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 Bundle bundle = getIntent().getExtras();  
 String user = bundle.get("hello").toString();  
 SharedPreferences sharedPrefTheme = this.getSharedPreferences(*APP\_PREFERENCES*, Context.*MODE\_PRIVATE*);  
 SharedPreferences.Editor editor1 = sharedPrefTheme.edit();  
 positionTheme = sharedPrefTheme.getInt(user, 1);  
 if (positionTheme == 0){  
 setTheme(R.style.*ThemeNight\_Lab2*);  
 }  
 else{  
 setTheme(R.style.*ThemeLight\_Lab2*);  
 }  
  
 setContentView(R.layout.*activity3*);  
  
 Button button = findViewById(R.id.*button10*);  
 EditText editText = findViewById(R.id.*editTextTextPersonName3*);  
  
 super.onCreate(savedInstanceState);  
 button.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 db.changePass(editText.getText().toString(),user);  
  
  
 Intent intent = new Intent(ChangePassActivity.this, MainActivity.class);  
 intent.putExtra("hello", user);  
  
 Log.*d*("Act3Tag" , "CallAct2");  
 startActivity(intent);  
 }  
 });  
 }  
}

Файл DatabaseHandler.java

package com.example.lab2;  
  
import android.content.ContentValues;  
import android.content.Context;  
import android.database.Cursor;  
import android.database.sqlite.SQLiteDatabase;  
import android.database.sqlite.SQLiteOpenHelper;  
  
import java.util.ArrayList;  
import java.util.List;  
  
public class DatabaseHandler extends SQLiteOpenHelper {  
 private static final int *DATABASE\_VERSION* = 1;  
 private static final String *DATABASE\_NAME* = "Users.db";  
  
 public DatabaseHandler(Context context) {  
 super(context, *DATABASE\_NAME*, null, *DATABASE\_VERSION*);  
 }  
  
 @Override  
 public void onCreate(SQLiteDatabase db) {  
 String CREATE\_USERS\_TABLE = "CREATE TABLE " + DBContract.UserEntry.*TABLE\_NAME* + "("  
 + /\*DBContract.UserEntry.COLUMN\_NAME\_KEY\_ID +\*/ " INTEGER PRIMARY KEY," +  
 DBContract.UserEntry.*COLUMN\_NAME\_LOGIN* + " TEXT," + DBContract.UserEntry.*COLUMN\_NAME\_PASS* + " TEXT" + ")";  
  
 db.execSQL(CREATE\_USERS\_TABLE);  
 }  
  
 @Override  
 public void onUpgrade(SQLiteDatabase db, int oldVersion, int newVersion) {  
 db.execSQL("DROP TABLE IF EXISTS " + DBContract.UserEntry.*TABLE\_NAME*);  
 onCreate(db);  
 }  
  
 public void addUser(User user) {  
 SQLiteDatabase db = this.getWritableDatabase();  
 ContentValues values = new ContentValues();  
 values.put(DBContract.UserEntry.*COLUMN\_NAME\_LOGIN*, user.getLogin());  
 values.put(DBContract.UserEntry.*COLUMN\_NAME\_PASS*, user.getPass());  
  
 db.insert(DBContract.UserEntry.*TABLE\_NAME*, null, values);  
 db.close();  
 }  
  
 public int identUser(String password, String login) {  
 SQLiteDatabase db = this.getReadableDatabase();  
 List<User> users = getAllUsers();  
 int ident = 0;  
 for (User usr : users) {  
 if (usr.getLogin().equals(login) && usr.getPass().equals(password)) {  
 ident = 1;  
 break;  
 }  
 }  
 return ident;  
 }  
 public List<User> getAllUsers() {  
 List<User> usersList = new ArrayList<User>();  
 String selectQuery = "SELECT \* FROM " + DBContract.UserEntry.*TABLE\_NAME*;  
  
 SQLiteDatabase db = this.getWritableDatabase();  
 Cursor cursor = db.rawQuery(selectQuery, null);  
  
 if (cursor.moveToFirst()) {  
 do {  
 User user = new User();  
 user.setLogin(cursor.getString(1));  
 user.setPass(cursor.getString(2));  
 usersList.add(user);  
 } while (cursor.moveToNext());  
 }  
 return usersList;  
 }  
 public void changePass(String newPass, String login){  
 SQLiteDatabase db = this.getWritableDatabase();  
 ContentValues value = new ContentValues();  
 String query = "UPDATE " + DBContract.UserEntry.*TABLE\_NAME* + " SET " + DBContract.UserEntry.*COLUMN\_NAME\_PASS* +  
 " = " + "'" + newPass + "'" + " WHERE " + DBContract.UserEntry.*COLUMN\_NAME\_LOGIN* + " = " + "'" + login + "'";  
  
 db.execSQL(query);  
 db.close();  
  
 }  
 public void deleteUser(String login) {  
 SQLiteDatabase db = this.getWritableDatabase();  
 db.delete(DBContract.UserEntry.*TABLE\_NAME*, DBContract.UserEntry.*COLUMN\_NAME\_LOGIN* + "= ?" , new String[]{login});  
 db.close();  
 }  
}

Файл DBContract.java

package com.example.lab2;  
  
import android.provider.BaseColumns;  
  
public final class DBContract {  
  
 private DBContract() {  
 }  
  
 public static class UserEntry implements BaseColumns {  
 public static final String *TABLE\_NAME* = "users";  
 public static final String *COLUMN\_NAME\_LOGIN* = "login";  
 public static final String *COLUMN\_NAME\_PASS* = "pass";  
 }  
}

Файл DelUserActivity.java

package com.example.lab2;  
  
import android.content.Context;  
import android.content.Intent;  
import android.content.SharedPreferences;  
import android.support.v7.app.AppCompatActivity;  
import android.os.Bundle;  
import android.util.Log;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
  
public class DelUserActivity extends AppCompatActivity {  
 DatabaseHandler db = new DatabaseHandler(this);  
 public static final String APP\_PREFERENCES = "mysettings";  
 public static final int APP\_PREFERENCES\_THEME = 1;  
 int positionTheme;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 Bundle bundle = getIntent().getExtras();  
 String user = bundle.get("hello").toString();  
 SharedPreferences sharedPrefTheme = this.getSharedPreferences(*APP\_PREFERENCES*, Context.*MODE\_PRIVATE*);  
 SharedPreferences.Editor editor1 = sharedPrefTheme.edit();  
 positionTheme = sharedPrefTheme.getInt(user, 1);  
 if (positionTheme == 0){  
 setTheme(R.style.*ThemeNight\_Lab2*);  
 }  
 else{  
 setTheme(R.style.*ThemeLight\_Lab2*);  
 }  
  
 setContentView(R.layout.*actuvity4*);  
  
 Button button = findViewById(R.id.*button11*);  
 EditText editText = findViewById(R.id.*editTextTextPersonName4*);  
  
 super.onCreate(savedInstanceState);  
 button.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 db.deleteUser(editText.getText().toString());  
  
 Intent intent = new Intent(DelUserActivity.this, MainActivity.class);  
 intent.putExtra("hello", user);  
 Log.*d*("Act4Tag" , "CallAct2");  
 startActivity(intent);  
 }  
 });  
 }  
}

Файл IdentActivity.java

package com.example.lab2;  
  
import android.app.Activity;  
import android.content.Context;  
import android.content.Intent;  
import android.content.SharedPreferences;  
import android.os.Bundle;  
import android.text.TextUtils;  
import android.util.Log;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
  
  
public class IdentActivity extends Activity {  
 DatabaseHandler db = new DatabaseHandler(this);  
  
 public static final String *APP\_PREFERENCES* = "mysettings";  
 public static final int *APP\_PREFERENCES\_THEME* = 1;  
 int positionTheme;  
 @Override  
 protected void onStart() {  
 super.onStart();  
 Log.*d*("Act1Tag" , "OnStart");  
 }  
 @Override  
 protected void onResume() {  
 super.onResume();  
 Log.*d*("Act1Tag" , "OnResume");  
 }  
 @Override  
 protected void onPause() {  
 super.onPause();  
 /\*db.deleteAll();\*/  
 Log.*d*("Act1Tag" , "onPause");  
 }  
 @Override  
 protected void onStop() {  
 super.onStop();  
 Log.*d*("Act1Tag" , "onStop");  
 }  
 @Override  
 protected void onDestroy() {  
 super.onDestroy();  
 db.close();  
 Log.*d*("Act1Tag" , "onDestroy");  
 }  
 @Override  
 protected void onRestart() {  
 super.onRestart();  
 Log.*d*("Act1Tag" , "onRestart");  
 }  
  
 */\*\* Called when the activity is first created. \*/* @Override  
 public void onCreate(Bundle savedInstanceState) {  
  
  
 setContentView(R.layout.*activity\_act1*);  
 EditText personName = findViewById(R.id.*editTextTextPersonName*);  
 EditText password = findViewById(R.id.*editTextTextPassword*);  
  
 SharedPreferences sharedPref1 = this.getPreferences(Context.*MODE\_PRIVATE*);  
 SharedPreferences sharedPref2 = this.getPreferences(Context.*MODE\_PRIVATE*);  
 SharedPreferences.Editor editor1 = sharedPref1.edit();  
 SharedPreferences.Editor editor2 = sharedPref2.edit();  
 personName.setText(sharedPref1.getString("text1",""));  
 password.setText(sharedPref2.getString("text2",""));  
  
 Button btnActTwo = findViewById(R.id.*button*);  
 Button regUser = findViewById(R.id.*button6*);  
  
  
 super.onCreate(savedInstanceState);  
 Log.*d*("Act1Tag" , "onCreate");  
 btnActTwo.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
  
 if ((TextUtils.*isEmpty*(personName.getText()))&&(TextUtils.*isEmpty*(password.getText()))){  
 return;  
 }  
 else {  
  
 if ((db.identUser( password.getText().toString(), personName.getText().toString())) != 0) {  
  
 editor1.putString("text1", personName.getText().toString());  
 editor1.apply();  
 editor2.putString("text2", password.getText().toString());  
 editor2.apply();  
 Intent intent = new Intent(IdentActivity.this, MainActivity.class);  
 intent.putExtra("hello", (personName.getText().toString()));  
 Log.*d*("Act1Tag" , "CallAct2");  
 startActivity(intent);  
 }  
 }  
 }  
 });  
 regUser.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 User usr = new User();  
 usr.setLogin(personName.getText().toString());  
 usr.setPass(password.getText().toString());  
  
  
 db.addUser(usr);  
 }  
 });  
  
  
 }  
  
  
  
}

Файл MainActivity.java

package com.example.lab2;  
  
import android.content.Context;  
import android.content.Intent;  
import android.content.SharedPreferences;  
import android.support.v7.app.AppCompatActivity;  
import android.os.Bundle;  
import android.util.Log;  
import android.view.View;  
import android.widget.AdapterView;  
import android.widget.ArrayAdapter;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.ListView;  
  
import java.util.ArrayList;  
import java.util.List;  
  
  
public class MainActivity extends AppCompatActivity {  
 DatabaseHandler db = new DatabaseHandler(this);  
 public static final String *APP\_PREFERENCES* = "mysettings";  
 public static final int *APP\_PREFERENCES\_THEME* = 1;  
 int positionTheme;  
 @Override  
 protected void onStart() {  
 super.onStart();  
 Log.*d*("Act2Tag" , "OnStart");  
 }  
 @Override  
 protected void onResume() {  
 super.onResume();  
 Log.*d*("Act2Tag" , "OnResume");  
 }  
 protected void onPause() {  
 super.onPause();  
 Log.*d*("Act2Tag" , "onPause");  
 }  
 protected void onStop() {  
 super.onStop();  
 Log.*d*("Act2Tag" , "onStop");  
 }  
 protected void onDestroy() {  
 super.onDestroy();  
 Log.*d*("Act2Tag" , "onDestroy");  
 }  
 protected void onRestart() {  
 super.onRestart();  
 Log.*d*("Act2Tag" , "onRestart");  
 }  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 Bundle bundle = getIntent().getExtras();  
 String user = bundle.get("hello").toString();  
 SharedPreferences sharedPrefTheme = this.getSharedPreferences(*APP\_PREFERENCES*, Context.*MODE\_PRIVATE*);  
 SharedPreferences.Editor editor1 = sharedPrefTheme.edit();  
 positionTheme = sharedPrefTheme.getInt(user, 1);  
 Log.*d*("Act2TagSTYLE" , String.*valueOf*(positionTheme));  
  
  
 if (positionTheme == 0){  
 setTheme(R.style.*ThemeNight\_Lab2*);  
 }  
 else{  
 setTheme(R.style.*ThemeLight\_Lab2*);  
 }  
 Log.*d*("Act2TagSTYLE" , String.*valueOf*(positionTheme));  
  
  
  
 setContentView(R.layout.*activity\_2*);  
 ArrayList<String> StringArray = new ArrayList<String>();  
 ArrayAdapter<String> TextAdapter;  
 EditText editText = findViewById(R.id.*editTextTextPersonName2*);  
 Button button2 = findViewById(R.id.*button2*);  
 Button button3 = findViewById(R.id.*button3*);  
 Button button4 = findViewById(R.id.*button4*);  
 Button button5 = findViewById(R.id.*button5*);  
 Button button8 = findViewById(R.id.*button8*);  
 Button button7 = findViewById(R.id.*button7*);  
  
 ListView listView = findViewById(R.id.*textList*);  
  
 TextAdapter = new ArrayAdapter(this, android.R.layout.*simple\_list\_item\_1*, StringArray);  
 listView.setAdapter(TextAdapter);  
 StringArray.add(user);  
  
 List<User> users = db.getAllUsers();  
 for (User usr : users) {  
  
 String allUsers = "Login: " + usr.getLogin() + " ,Password: " + usr.getPass();  
 StringArray.add(allUsers);  
 }  
  
  
 super.onCreate(savedInstanceState);  
 Log.*d*("Act2TagSTYLE" , "onCreate");  
 button2.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 StringArray.add(editText.getText().toString());  
 TextAdapter.notifyDataSetChanged();  
 editText.setText("");  
 }  
 });  
 button4.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 Intent intent = new Intent(MainActivity.this, IdentActivity.class);  
 Log.*d*("Act2Tag" , "CallAct1");  
 startActivity(intent);  
  
 }  
 });  
 button5.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 if (positionTheme == 0){  
 setTheme(R.style.*ThemeNight\_Lab2*);  
 positionTheme = 1;  
 }  
 else{  
 setTheme(R.style.*ThemeLight\_Lab2*);  
 positionTheme = 0;  
 }  
 editor1.putInt(user,positionTheme );  
 editor1.apply();  
 Log.*d*("Act2Tag" , String.*valueOf*(positionTheme));  
 recreate();  
  
 }  
 });  
  
 button7.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 Intent intent = new Intent(MainActivity.this, DelUserActivity.class);  
 intent.putExtra("hello", user);  
 Log.*d*("Act2Tag" , "CallAct3");  
 startActivity(intent);  
 }  
 });  
 button8.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 Intent intent = new Intent(MainActivity.this, ChangePassActivity.class);  
 intent.putExtra("hello", user);  
 Log.*d*("Act2Tag" , "CallAct3");  
 startActivity(intent);  
 }  
 });  
  
 listView.setOnItemClickListener(new AdapterView.OnItemClickListener(){  
  
 @Override  
 public void onItemClick(AdapterView<?> parent, View v, int position, long id)  
 {  
 listView.setSelector(R.color.*green*);  
 // получаем нажатый элемент  
 //String user = TextAdapter.getItem(position);  
 listView.setItemChecked(position, true);  
 listView.setSelection(position);  
 button3.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
  
 listView.setSelector(android.R.color.*transparent*);  
 listView.isItemChecked(position);  
 StringArray.remove(position);  
  
 TextAdapter.notifyDataSetChanged();  
  
 }  
  
 });  
  
 }  
  
  
 });  
  
 }  
  
  
}

Файл User.java

package com.example.lab2;  
public class User {  
  
 String \_login;  
 String \_pass;  
  
 public User(){  
 }  
 public User(int id, String login, String pass){  
 this.\_login = login;  
 this.\_pass = pass;  
 }  
 public User(String login, String pass){  
 this.\_login = login;  
 this.\_pass = pass;  
 }  
  
  
 public String getLogin(){  
 return this.\_login;  
 }  
 public void setLogin(String login){  
 this.\_login = login;  
  
 }  
  
 public String getPass(){  
 return this.\_pass;  
 }  
 public void setPass(String pass){  
 this.\_pass = pass;  
 }  
}

Файл activity\_act1.xml

<?xml version="1.0" encoding="utf-8"?>  
<android.support.constraint.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:id="@+id/linearLayout"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent">  
  
 <EditText  
 android:id="@+id/editTextTextPassword"  
 android:layout\_width="216dp"  
 android:layout\_height="54dp"  
 android:layout\_marginBottom="260dp"  
 android:ems="10"  
 android:inputType="textPassword"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.5"  
 app:layout\_constraintStart\_toEndOf="@+id/textView"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/editTextTextPersonName"  
 app:layout\_constraintVertical\_bias="0.329" />  
  
 <Button  
 android:id="@+id/button"  
 android:layout\_width="124dp"  
 android:layout\_height="48dp"  
 android:layout\_marginTop="36dp"  
 android:text="Войти"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.5"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/editTextTextPassword" />  
  
 <EditText  
 android:id="@+id/editTextTextPersonName"  
 android:layout\_width="214dp"  
 android:layout\_height="62dp"  
 android:layout\_marginTop="152dp"  
 android:ems="10"  
 android:inputType="textPersonName"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.5"  
 app:layout\_constraintStart\_toEndOf="@+id/textView2"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 tools:ignore="SpeakableTextPresentCheck" />  
  
 <TextView  
 android:id="@+id/textView"  
 android:layout\_width="79dp"  
 android:layout\_height="22dp"  
 android:layout\_marginBottom="52dp"  
 android:text="Пароль"  
 app:autoSizeMaxTextSize="100sp"  
 app:autoSizeMinTextSize="16dp"  
 app:autoSizeTextType="uniform"  
 app:layout\_constraintBottom\_toBottomOf="@+id/editTextTextPassword"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent" />  
  
 <TextView  
 android:id="@+id/textView2"  
 android:layout\_width="67dp"  
 android:layout\_height="23dp"  
 android:layout\_marginBottom="76dp"  
 android:text="Логин"  
 app:autoSizeMaxTextSize="100sp"  
 app:autoSizeMinTextSize="16dp"  
 app:autoSizeTextType="uniform"  
 app:layout\_constraintBottom\_toBottomOf="@+id/editTextTextPersonName"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.5"  
 app:layout\_constraintStart\_toStartOf="parent" />  
  
 <Button  
 android:id="@+id/button6"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="36dp"  
 android:text="Регистрация"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.498"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/button" />  
  
</android.support.constraint.ConstraintLayout>

Файл activity\_2.xml

<?xml version="1.0" encoding="utf-8"?>  
<android.support.constraint.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">  
  
 <EditText  
 android:id="@+id/editTextTextPersonName2"  
 android:layout\_width="351dp"  
 android:layout\_height="60dp"  
 android:layout\_marginStart="24dp"  
 android:layout\_marginTop="16dp"  
 android:ems="10"  
 android:hint="text"  
 android:inputType="textPersonName"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
  
 <Button  
 android:id="@+id/button2"  
 android:layout\_width="163dp"  
 android:layout\_height="51dp"  
 android:layout\_marginTop="100dp"  
 android:layout\_marginEnd="128dp"  
 android:text="Добавить"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.29"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
  
 <Button  
 android:id="@+id/button3"  
 android:layout\_width="143dp"  
 android:layout\_height="52dp"  
 android:layout\_marginStart="32dp"  
 android:layout\_marginTop="100dp"  
 android:text="Удалить"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.052"  
 app:layout\_constraintStart\_toEndOf="@+id/button2"  
 app:layout\_constraintTop\_toTopOf="parent" />  
  
 <ListView  
 android:id="@+id/textList"  
 android:layout\_width="357dp"  
 android:layout\_height="301dp"  
 android:layout\_marginStart="24dp"  
 android:layout\_marginTop="168dp"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"></ListView>  
  
 <Button  
 android:id="@+id/button4"  
 android:layout\_width="101dp"  
 android:layout\_height="49dp"  
 android:layout\_marginEnd="28dp"  
 android:layout\_marginBottom="20dp"  
 android:text="Назад"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent" />  
  
 <Button  
 android:id="@+id/button8"  
 android:layout\_width="201dp"  
 android:layout\_height="51dp"  
 android:layout\_marginTop="17dp"  
 android:layout\_marginBottom="24dp"  
 android:text="Сменить пароль"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.18"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/button5" />  
  
 <Button  
 android:id="@+id/button5"  
 android:layout\_width="200dp"  
 android:layout\_height="48dp"  
 android:layout\_marginBottom="92dp"  
 android:text="Сменить тему"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.184"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/button7"  
 app:layout\_constraintVertical\_bias="1.0" />  
  
 <Button  
 android:id="@+id/button7"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginBottom="156dp"  
 android:text="Удалить пользователя"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.177"  
 app:layout\_constraintStart\_toStartOf="parent" />  
  
</android.support.constraint.ConstraintLayout>

Файл activity3.xml

<?xml version="1.0" encoding="utf-8"?>  
<android.support.constraint.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=".ChangePassActivity">  
  
 <EditText  
 android:id="@+id/editTextTextPersonName3"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginBottom="460dp"  
 android:ems="10"  
 android:inputType="text"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.497"  
 app:layout\_constraintStart\_toStartOf="parent"  
 tools:ignore="MissingConstraints,SpeakableTextPresentCheck,TouchTargetSizeCheck" />  
  
 <TextView  
 android:id="@+id/textView3"  
 android:layout\_width="171dp"  
 android:layout\_height="36dp"  
 android:layout\_marginBottom="28dp"  
 android:text="Введите новый пароль"  
 app:layout\_constraintBottom\_toTopOf="@+id/editTextTextPersonName3"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.845" />  
  
 <Button  
 android:id="@+id/button10"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="60dp"  
 android:text="OK"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.501"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/editTextTextPersonName3" />  
  
</android.support.constraint.ConstraintLayout>

Файл activity4.xml

<?xml version="1.0" encoding="utf-8"?>  
<android.support.constraint.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=".DelUserActivity">  
  
  
 <TextView  
 android:id="@+id/textView4"  
 android:layout\_width="223dp"  
 android:layout\_height="59dp"  
 android:layout\_marginTop="136dp"  
 android:text="Введите логин удаляемого пользователя"  
  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
  
 <EditText  
 android:id="@+id/editTextTextPersonName4"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginBottom="492dp"  
 android:ems="10"  
 android:inputType="text"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView4"  
 app:layout\_constraintVertical\_bias="0.873"  
 tools:ignore="MissingConstraints,SpeakableTextPresentCheck,TouchTargetSizeCheck" />  
  
 <Button  
 android:id="@+id/button11"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="64dp"  
 android:text="OK"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.498"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/editTextTextPersonName4" />  
</android.support.constraint.ConstraintLayout>

Результаты работы программы:

    