MainActivity

package devandroid.diogoferreira.applistacurso.view;  
  
import android.os.Bundle;  
import android.util.Log;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.ImageButton;  
import android.widget.Toast;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import java.util.ArrayList;  
  
import devandroid.diogoferreira.applistacurso.R;  
import devandroid.diogoferreira.applistacurso.controller.PessoaController;  
import devandroid.diogoferreira.applistacurso.model.Pessoa;  
  
public class MainActivity extends AppCompatActivity {  
 ArrayList<Pessoa> pessoas = new ArrayList<>();  
  
 PessoaController controller;  
  
 EditText firstName;  
 EditText secondName;  
 EditText phone;  
 EditText course;  
  
 Button send;  
 Button save;  
 Button clear;  
  
 ImageButton searchButton;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 controller = new PessoaController(MainActivity.this);  
  
 firstName = findViewById(R.id.*firstName*);  
 secondName = findViewById(R.id.*secondName*);  
 phone = findViewById(R.id.*phone*);  
 course = findViewById(R.id.*course*);  
 searchButton = findViewById(R.id.*searchButton*);  
  
 send = findViewById(R.id.*send*);  
 save = findViewById(R.id.*save*);  
 clear = findViewById(R.id.*clear*);  
  
 clear.setOnClickListener(view -> clearFields());  
  
 send.setOnClickListener(view -> {  
 Toast.*makeText*(MainActivity.this, "Lista finalizada", Toast.*LENGTH\_LONG*).show();  
 finish();  
 });  
  
 save.setOnClickListener(view -> savePerson());  
  
 searchButton.setOnClickListener(view -> findPerson());  
 }  
  
 private void findPerson() {  
 try {  
 Pessoa pessoa = controller.findAction();  
  
 String primeiroNomeData = pessoa.getPrimeiroNome();  
 String segundoNomeData = pessoa.getSegundoNome();  
 String phoneData = pessoa.getTelefoneDeContato();  
 String courseData = pessoa.getNomeCursoDesejado();  
  
 firstName.setText(primeiroNomeData);  
 secondName.setText(segundoNomeData);  
 phone.setText(phoneData);  
 course.setText(courseData);  
 } catch (Exception e) {  
 Toast.*makeText*(MainActivity.this, e.getMessage(), Toast.*LENGTH\_LONG*).show();  
 }  
 }  
  
 private void clearFields() {  
  
 firstName.setText("");  
 secondName.setText("");  
 phone.setText("");  
 course.setText("");  
  
 Toast.*makeText*(MainActivity.this, "Dados limpos com sucesso!", Toast.*LENGTH\_LONG*).show();  
  
 controller.clearAction();  
 }  
  
 private void savePerson() {  
 String firstNameInput = firstName.getText().toString();  
 String secondNameInput = secondName.getText().toString();  
 String phoneInput = phone.getText().toString();  
 String courseInput = course.getText().toString();  
  
 Pessoa novaPessoa;  
  
 if (firstNameInput.equals("") || secondNameInput.equals("") || phoneInput.equals("") || courseInput.equals("")) {  
 Toast.*makeText*(MainActivity.this, "Verifique os campos e tente novamente.", Toast.*LENGTH\_LONG*).show();  
 } else {  
 novaPessoa = new Pessoa(firstNameInput, secondNameInput, phoneInput, courseInput);  
  
 pessoas.add(novaPessoa);  
  
 controller.saveAction(novaPessoa);  
  
 firstName.setText("");  
 secondName.setText("");  
 phone.setText("");  
 course.setText("");  
  
 Toast.*makeText*(MainActivity.this, "Usuário salvo com sucesso!", Toast.*LENGTH\_LONG*).show();  
 }  
  
 Log.*i*("POOAndroid", "Total: " + pessoas.size());  
 }  
}

PessoaController

package devandroid.diogoferreira.applistacurso.controller;  
  
import android.content.SharedPreferences;  
  
import devandroid.diogoferreira.applistacurso.model.Pessoa;  
import devandroid.diogoferreira.applistacurso.view.MainActivity;  
  
public class PessoaController {  
 SharedPreferences preferences;  
 public static final String *NOME\_PREFERENCES* = "pref\_listaVip";  
 SharedPreferences.Editor listaVip;  
  
  
 public PessoaController(MainActivity mainActivity) {  
 preferences = mainActivity.getSharedPreferences(*NOME\_PREFERENCES*, 0);  
 listaVip = preferences.edit();  
 }  
  
 public void saveAction(Pessoa pessoa) {  
 listaVip.putString("firstName", pessoa.getPrimeiroNome());  
 listaVip.putString("secondName", pessoa.getSegundoNome());  
 listaVip.putString("phone", pessoa.getTelefoneDeContato());  
 listaVip.putString("course", pessoa.getNomeCursoDesejado());  
 listaVip.apply();  
 }  
  
 public void clearAction() {  
 listaVip.clear();  
 listaVip.apply();  
 }  
  
 public Pessoa findAction() throws Exception {  
 String firstName = preferences.getString("firstName", "");  
 String secondName = preferences.getString("secondName", "");  
 String phone = preferences.getString("phone", "");  
 String course = preferences.getString("course", "");  
  
 if (firstName.equals("") || secondName.equals("") || phone.equals("") || course.equals("")) {  
 throw new Exception("Não há dados salvos.");  
 } else {  
 return new Pessoa(firstName, secondName, phone, course);  
 }  
 }  
}