

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();
        });
    }
}
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        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("");
    }
}

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        secondName.setText("");
        phone.setText("");
        course.setText("");

        Toast.makeText(MainActivity.this, "Usuário salvo com
sucesso!", Toast.LENGTH_LONG).show();
    }

    Log.i("POOAndroid", "Total: " + pessoas.size());
}
}

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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();
    }
}

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}

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);
    }
}
}
```