tp1ex1.java

```
public class MainActivity extends AppCompatActivity {
        private RadioGroup radioGroup;
        private RadioButton radioFrench, radioEnglish;
        @Override
        protected void onCreate(Bundle savedInstanceState) {
            super.onCreate(savedInstanceState);
            setContentView(R.layout.activity main);
            radioGroup = findViewById(R.id.radioGroup);
            radioFrench = findViewById(R.id.radioFrench);
            radioEnglish = findViewById(R.id.radioEnglish);
10
11
        public void onShowButtonClick(View view) {
12
13
            Intent intent = new Intent(this, ListActivity.class);
            // Pass language selection to ListActivity
14
15
            boolean isFrenchSelected = radioFrench.isChecked();
16
            boolean isEnglishSelected = radioEnglish.isChecked();
17
            if(!isFrenchSelected && !isEnglishSelected){
                Toast.makeText(MainActivity.this, "Please select a language", Toast.LENGTH_SHORT).show();
18
19
                return:
20
21
            intent.putExtra("isFrenchSelected", isFrenchSelected);
            intent.putExtra("isEnglishSelected", isEnglishSelected);
22
23
            startActivity(intent);
24
25
26
```

```
27
28
    // activity main.xml
29
    <RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
30
    android:layout width="match parent" android:layout height="match parent" android:padding="16dp">
31
        <RadioGroup android:id="@+id/radioGroup" android:layout width="wrap content"</pre>
    android:layout height="wrap content">
            <RadioButton android:id="@+id/radioFrench" android:layout width="wrap content"</pre>
32
    android:layout_height="wrap content" android:text="French" />
            <RadioButton android:id="@+id/radioEnglish" android:layout width="wrap content"</pre>
33
    android:layout height="wrap content" android:text="English" />
        </RadioGroup>
34
        <Button android:id="@+id/btnShow" android:lavout width="wrap content"</pre>
35
    android:layout height="wrap content" android:layout below="@id/radioGroup" android:text="Show"
    android:onClick="onShowButtonClick" />
    </RelativeLayout>
36
37
38
39
40
    public class ListActivity extends AppCompatActivity {
41
        private ListView listView;
42
        private boolean isFrenchSelected,isEnglishSelected;
        @Override
43
44
        protected void onCreate(Bundle savedInstanceState) {
            super.onCreate(savedInstanceState);
45
            setContentView(R.layout.activity list);
46
47
            // Retrieve language selection from MainActivity
            isFrenchSelected = getIntent().getBooleanExtra("isFrenchSelected", true);
48
            isEnglishSelected = getIntent().getBooleanExtra("isEnglishSelected", true);
49
```

```
50
            listView = findViewById(R.id.listView);
            // Set appropriate list items based on language selection
51
            ArrayList<String> items = new ArrayList<>();
52
53
            if (isFrenchSelected) {
                items.add("Voiture");
54
55
                items.add("Maison");
                items.add("Ecole");
56
57
                items.add("Banque");
58
            } else if(isEnglishSelected) {
59
                items.add("Car");
                items.add("House");
60
                items.add("School");
61
62
                items.add("Bank");
            }
63
64
            ArrayAdapter<String> adapter = new ArrayAdapter<>(this, android.R.layout.simple list item 1,
    items);
            listView.setAdapter(adapter);
65
66
67
68
    // activity list.xml
69
    <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
70
    android:layout width="match parent" android:layout height="match parent"
    android:orientation="vertical" android:padding="16dp">
      <TextView android:layout width="wrap content" android:layout height="wrap content"
71
    android:text="Items" android:textSize="18sp" android:textStyle="bold" />
72
      <ListView android:id="@+id/listView" android:layout width="match parent"</pre>
    android:layout_height="wrap_content" android:layout_marginTop="8dp" />
    </LinearLavout>
73
```