tp1ex1.java

```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);
    }
    public void onShowButtonClick(View view) {
        Intent intent = new Intent(this, ListActivity.class);
        // Pass language selection to ListActivity
        boolean isFrenchSelected = radioFrench.isChecked();
        boolean isEnglishSelected = radioEnglish.isChecked();
        if(!isFrenchSelected && !isEnglishSelected){
            Toast.makeText(MainActivity.this,"Please select a language",Toast.LENGTH_SHORT).show();
            return;
        }
        intent.putExtra("isFrenchSelected", isFrenchSelected);
        intent.putExtra("isEnglishSelected", isEnglishSelected);
        startActivity(intent);
    }
}
```

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

```java
        listView = findViewById(R.id.listView);
        // Set appropriate list items based on language selection
        ArrayList<String> items = new ArrayList<>();
        if (isFrenchSelected) {
            items.add("Voiture");
            items.add("Maison");
            items.add("Ecole");
            items.add("Banque");
        } else if(isEnglishSelected) {
            items.add("Car");
            items.add("House");
            items.add("School");
            items.add("Bank");
        }
        ArrayAdapter<String> adapter = new ArrayAdapter<>(this, android.R.layout.simple_list_item_1, items);
        listView.setAdapter(adapter);
    }
}

// activity_list.xml
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
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"
android:text="Items" android:textSize="18sp" android:textStyle="bold" />
  <ListView android:id="@+id/listView" android:layout_width="match_parent"
android:layout_height="wrap_content" android:layout_marginTop="8dp" />
</LinearLayout>
```