java\tp2ex2.java

```java
1  public class MainActivity extends AppCompatActivity {
2      @Override
3      protected void onCreate(Bundle savedInstanceState) {
4          super.onCreate(savedInstanceState);
5          setContentView(R.layout.activity_main);
6      }
7  }
8
9  <?xml version="1.0" encoding="utf-8"?>
10 <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
   android:layout_width="match_parent" android:layout_height="match_parent"
   android:orientation="horizontal" android:weightSum="2">
11     <fragment android:id="@+id/listFragment" android:name="com.example.tp2_ex2.ListFragment"
   android:layout_width="0dp" android:layout_height="match_parent" android:layout_weight="1" />
12     <fragment android:id="@+id/detailFragment" android:name="com.example.tp2_ex2.DetailFragment"
   android:layout_width="0dp" android:layout_height="match_parent" android:layout_weight="1" />
13 </LinearLayout>
14
15
16 public class ListFragment extends Fragment {
17     private ListView listView;
18     private String[] names = {"Fadi", "Pierre", "Roza", "Mira", "Jean"};
19     private String[] profiles = {"Admin", "User", "Student", "Employee", "Teacher"};
20     public ListFragment() {
21         // Required empty public constructor
22     }
23     @Override
```

```java
24      public View onCreateView(LayoutInflater inflater, ViewGroup container,
25                               Bundle savedInstanceState) {
26          View view = inflater.inflate(R.layout.fragment_list, container, false);
27          listView = view.findViewById(R.id.listView);
28          ArrayAdapter<String> adapter = new ArrayAdapter<>(
29                  getActivity(),
30                  android.R.layout.simple_list_item_1,
31                  names);
32          listView.setAdapter(adapter);
33          listView.setOnItemClickListener(new AdapterView.OnItemClickListener() {
34              @Override
35              public void onItemClick(AdapterView<?> parent, View view, int position, long id) {
36                  String selectedName = names[position];
37                  String selectedProfile = profiles[position];
38                  // Get the DetailFragment instance
39                  DetailFragment detailFragment = (DetailFragment) getFragmentManager()
40                          .findFragmentById(R.id.detailFragment);
41                  // Call the function to update details
42                  if (detailFragment != null) {
43                      detailFragment.updateDetails(selectedName, selectedProfile);
44                  }
45              }
46          });
47          return view;
48      }
49  }
50
51  <?xml version="1.0" encoding="utf-8"?>
```

```xml
52  <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent" android:layout_height="match_parent"
    android:orientation="vertical">
53    <ListView android:id="@+id/listView" android:layout_width="match_parent"
    android:layout_height="match_parent" />
54  </LinearLayout>
55
56
```

```java
57  public class DetailFragment extends Fragment {
58      private TextView nameTextView, profileTextView;
59      public DetailFragment() {
60          // Required empty public constructor
61      }
62      @Override
63      public View onCreateView(LayoutInflater inflater, ViewGroup container,
64                               Bundle savedInstanceState) {
65          View view = inflater.inflate(R.layout.fragment_detail, container, false);
66          nameTextView = view.findViewById(R.id.nameTextView);
67          profileTextView = view.findViewById(R.id.profileTextView);
68          return view;
69      }
70      // Function to update details (with 2 parameters as required)
71      public void updateDetails(String name, String profile) {
72          nameTextView.setText("Name: " + name);
73          profileTextView.setText("Profile: " + profile);
74      }
75  }
76
77  <?xml version="1.0" encoding="utf-8"?>
```

```
78  <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">
79    <TextView android:id="@+id/nameTextView" android:layout_width="wrap_content"
    android:layout_height="wrap_content" android:textSize="18sp" android:textStyle="bold" />
80    <TextView android:id="@+id/profileTextView" android:layout_width="wrap_content"
    android:layout_height="wrap_content" android:layout_marginTop="8dp" android:textSize="16sp" />
81  </LinearLayout>
```