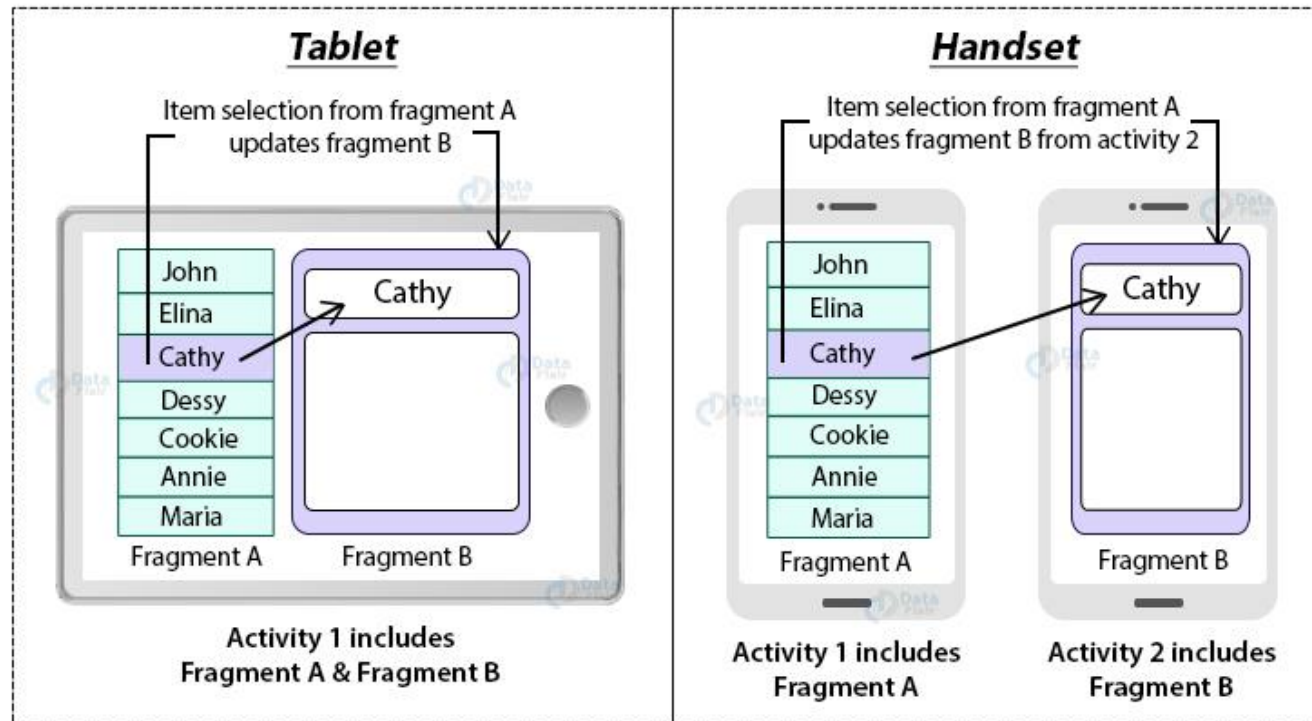


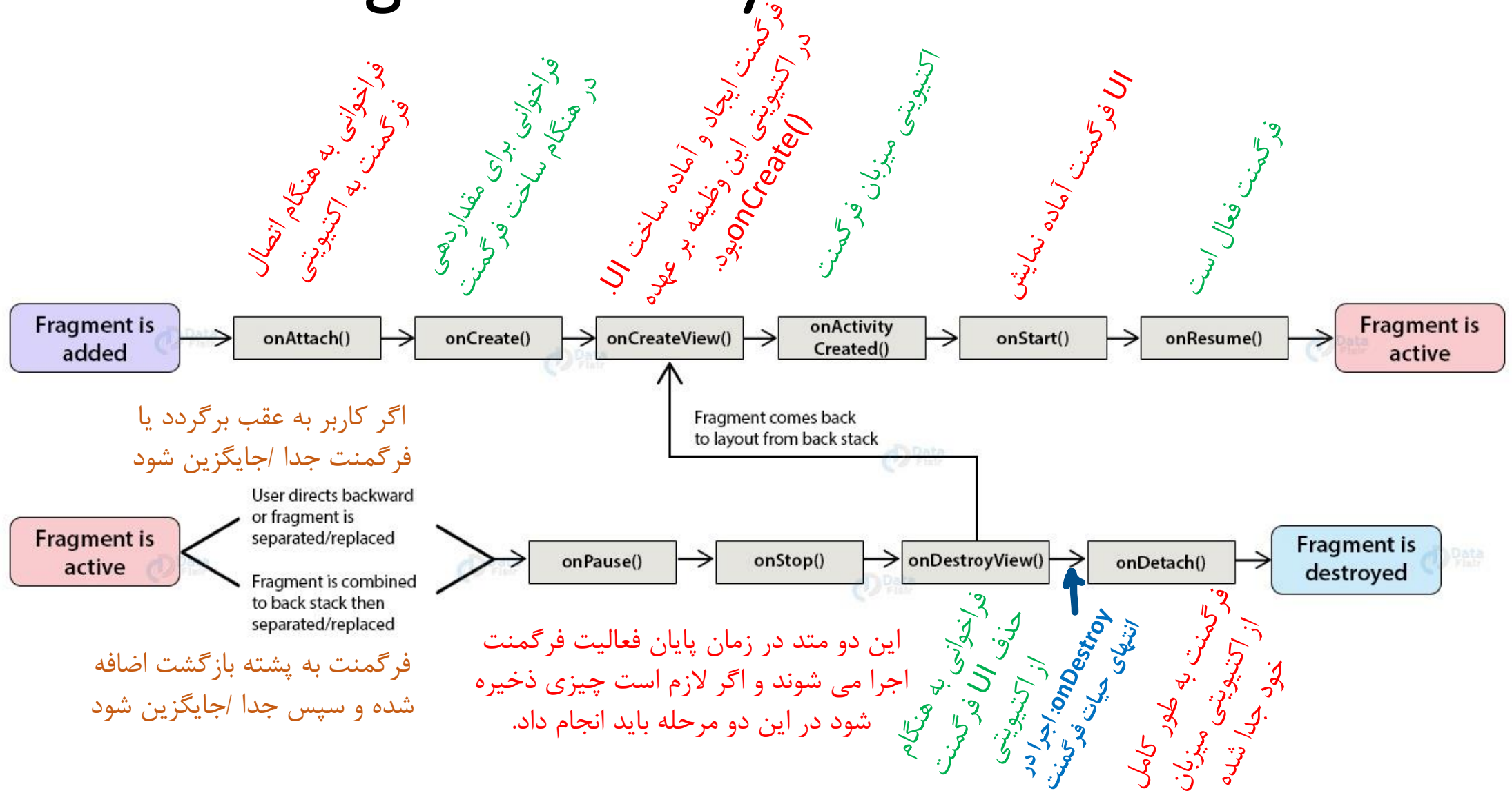
# Fragments

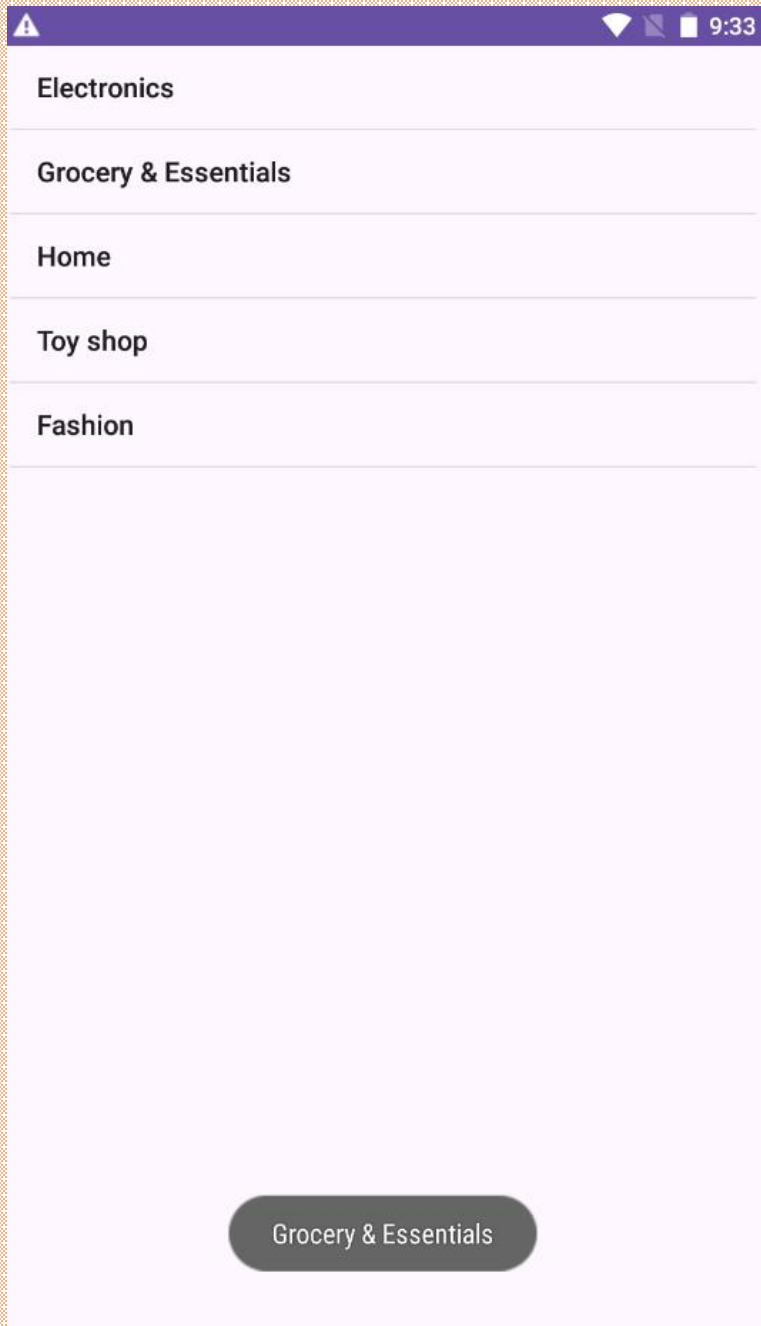
# How Fragment Interacts with Activity in Different Devices

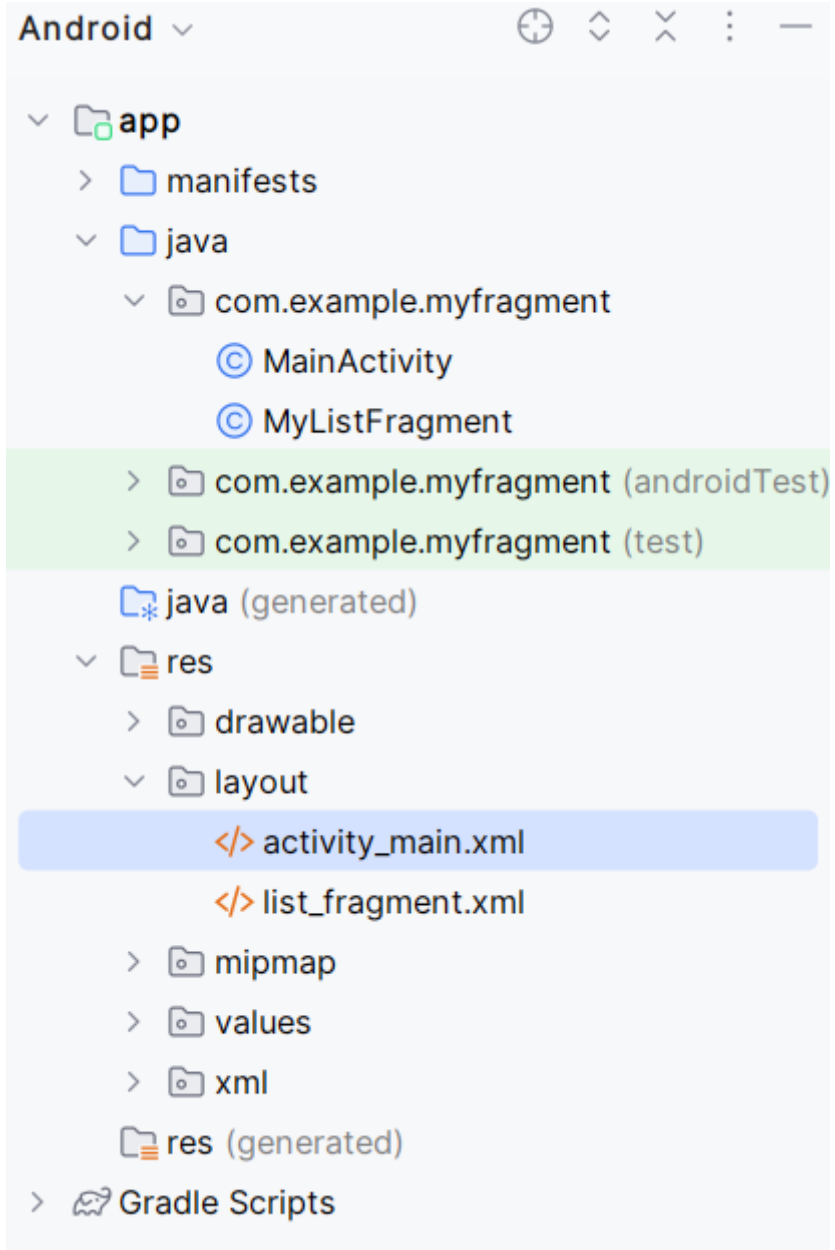
## Android Fragment Interaction with Activity in Devices



# Android Fragment Lifecycle







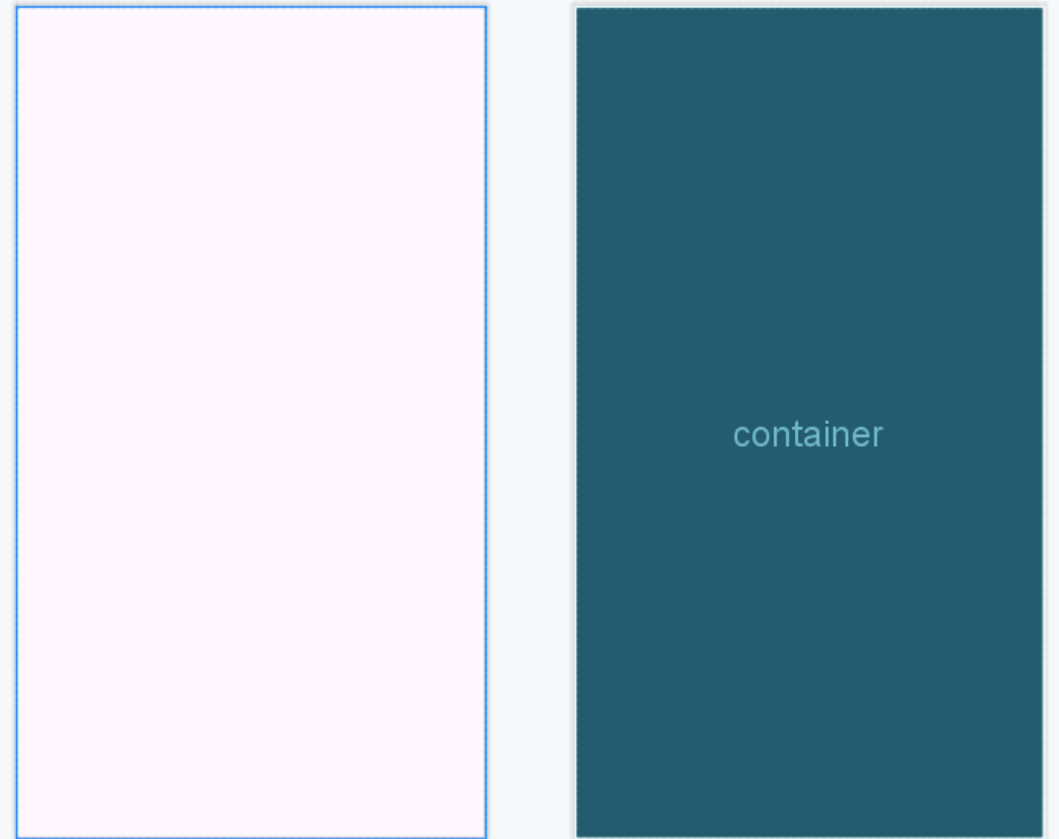
```
1 <?xml version="1.0" encoding="utf-8"?> ✓
2 <FrameLayout xmlns:android="http://schemas.android.com/apk/res/android"
3     xmlns:tools="http://schemas.android.com/tools"
4     android:id="@+id/container"
5     android:layout_width="match_parent"
6     android:layout_height="match_parent"
7     tools:context=".MainActivity" />
```

Palette

activity\_main.xml ▾



Component Tree



```
1  <?xml version="1.0" encoding="utf-8"?>
2  <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
3      android:layout_width="match_parent"
4      android:layout_height="match_parent"
5      android:orientation="vertical"
6      android:paddingLeft="8dp"
7      android:paddingRight="8dp" >
8
9      <ListView
10         android:id="@id/android:list"
11         android:layout_width="match_parent"
12         android:layout_height="0dp"
13         android:layout_weight="1"
14         android:drawSelectorOnTop="false" />
15
16     <TextView
17         android:id="@id/android:empty"
18         android:layout_width="match_parent"
19         android:layout_height="match_parent"
20         android:text="At the moment it is empty" />
21
22 </LinearLayout>
```

Palette

list\_fragment.xml ▾



At the moment it is empty

Component Tree

```
16 </> public class MyListFragment extends ListFragment {
    2 usages
17     private String dataArray[];
18
19     public MyListFragment() {
20         dataArray=new String[] {"Electronics", "Grocery & Essentials", "Home", "Toy shop", "Fashion"};
21     }
22
23     @Override
24     public void onCreate(@Nullable Bundle savedInstanceState) {
25         super.onCreate(savedInstanceState);
26         ListAdapter listAdapter = new ArrayAdapter<String>(getActivity(),android.R.layout.simple_list_item_1,dataArray);
27         setListAdapter(listAdapter);
28     }//onCreate
29
30     @Nullable
31     @Override
32     public View onCreateView(@NonNull LayoutInflater inflater, @Nullable ViewGroup container, @Nullable Bundle savedInstanceState) {
33         return inflater.inflate(R.layout.list_fragment,container, attachToRoot: false);
34     }//onCreateView
35
36     1 usage
37     @Override
38     public void onListItemClick(@NonNull ListView l, @NonNull View v, int position, long id) {
39         Toast.makeText(getActivity(),getListView().getItemAtPosition(position).toString(),Toast.LENGTH_LONG).show();
40     }//onListItemClick
41 }
```



© MainActivity.java ×

```
1 package com.example.myfragment;
2
3 > import ...
10
11 ▶ </> public class MainActivity extends AppCompatActivity {
12
13     @Override
14     Ⓢ protected void onCreate(Bundle savedInstanceState) {
15         super.onCreate(savedInstanceState);
16         setContentView(R.layout.activity_main);
17
18         MyListFragment myListFragment= new MyListFragment();
19         getSupportFragmentManager().beginTransaction().replace(R.id.container,myListFragment).commit();
20     }//onCreate
21     ⚡
22 }//MainActivity|
```