

Adding Navigation to the Application



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Overview



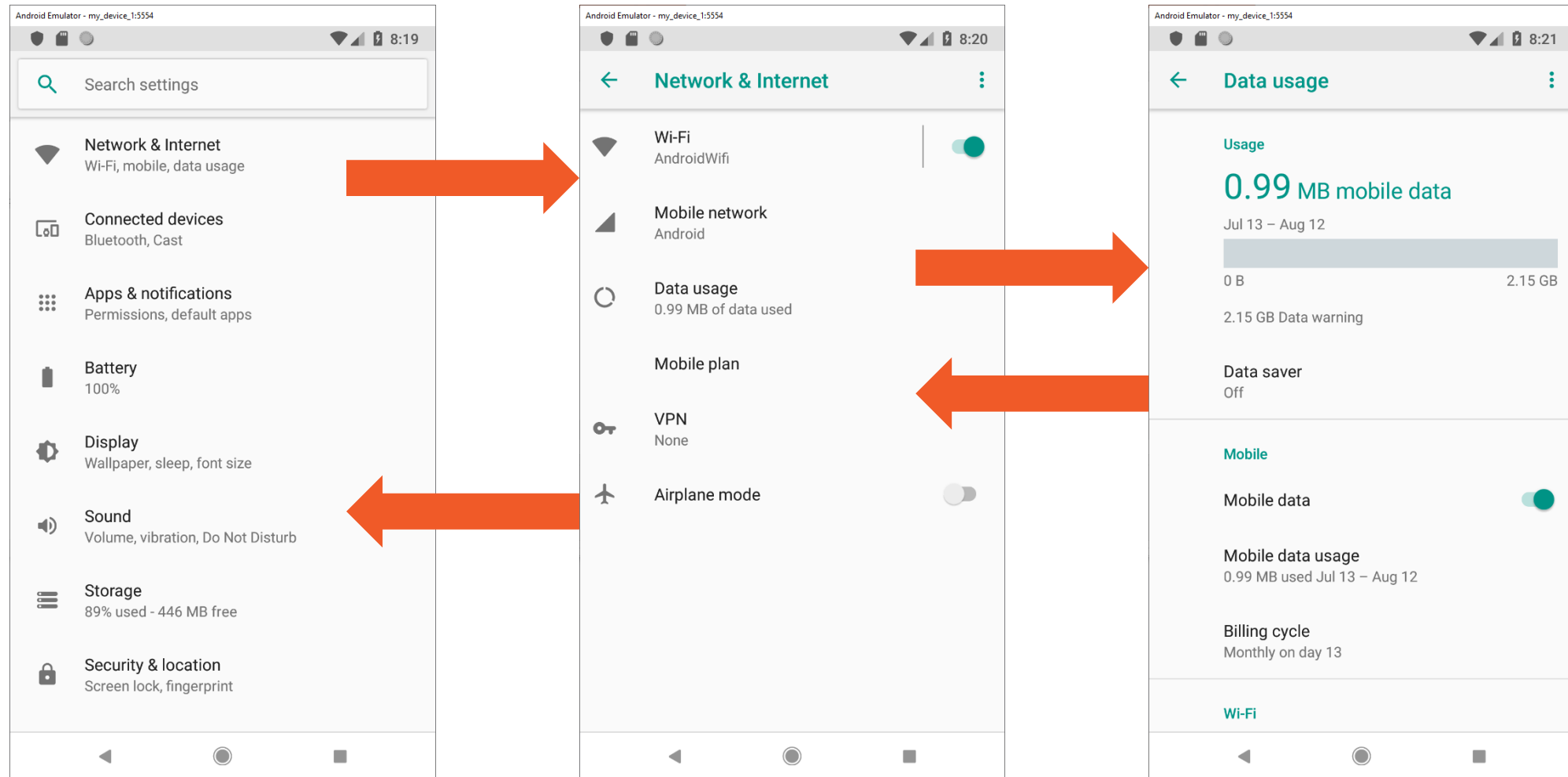
Adding stack navigation and Intents
Using tab navigation



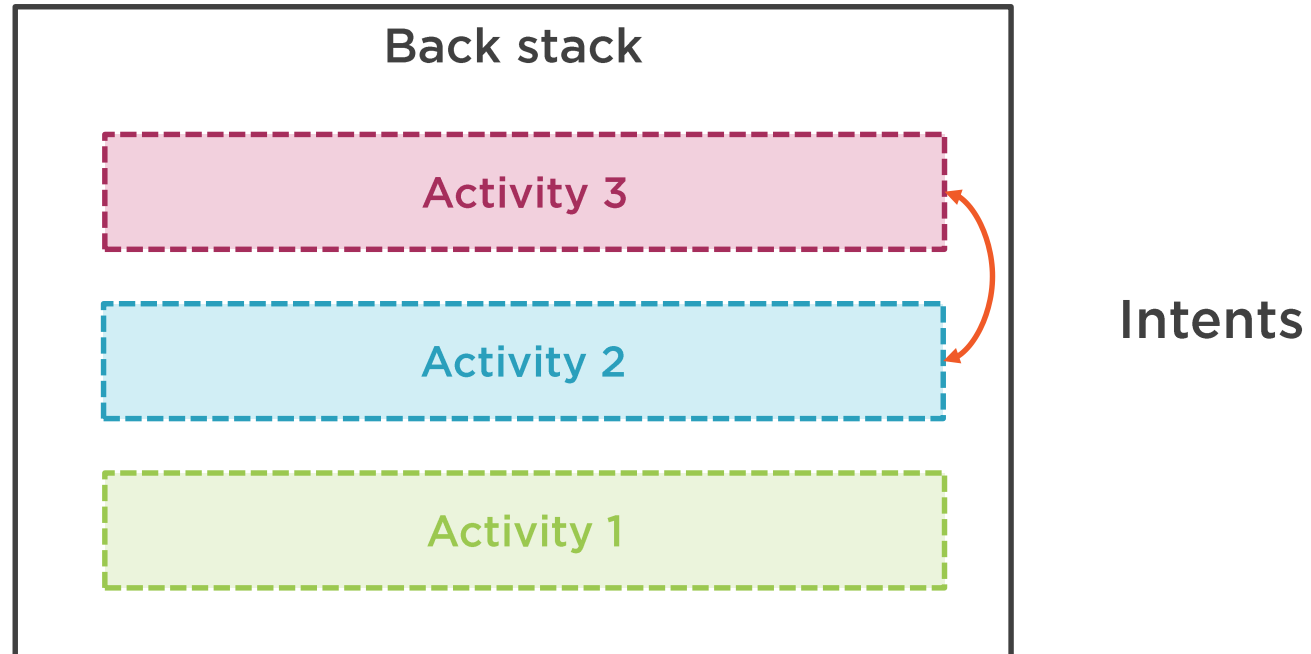
Adding Stack Navigation and Intents



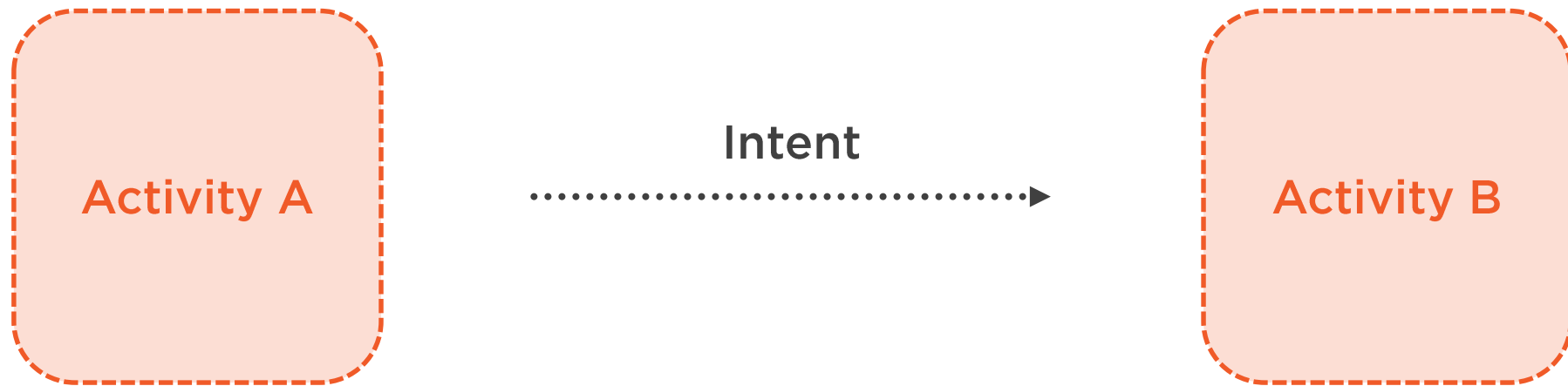
Stack Navigation



Stack Navigation



Understanding Intents



Understanding Intents

Messaging object

Start activity

Explicit or implicit

Data



```
var intent = new Intent(this, typeof(AboutActivity);  
StartActivity (intent);
```

Creating a Basic Intent



Passing Data

Bundle

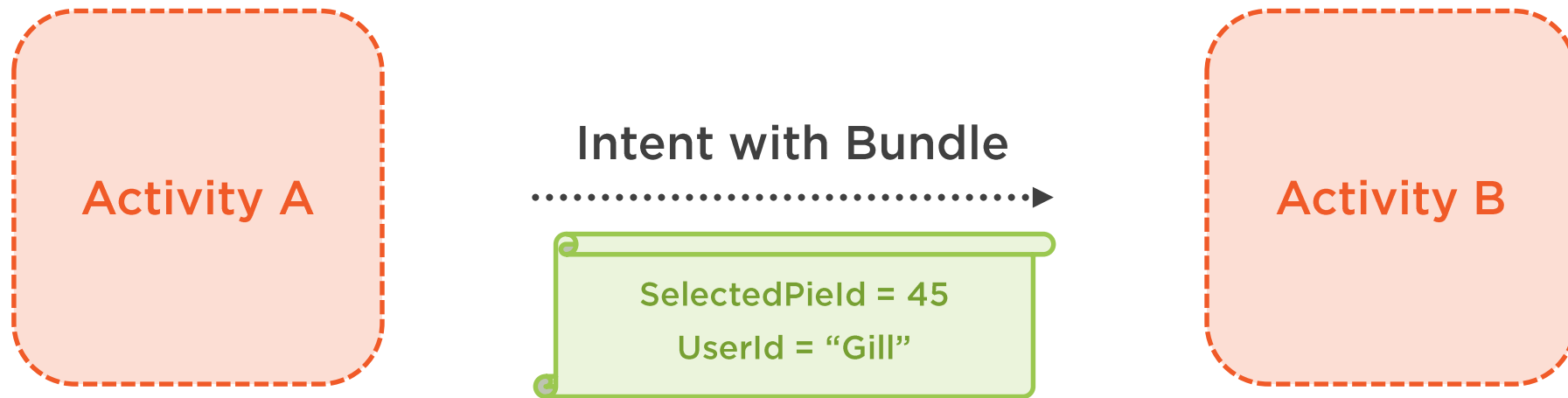
Dictionary

Simple types

Within or to other app



Passing Data Between Activities



```
var intent = new Intent ();  
intent.SetClass (this, typeof(PieDetailActivity));  
intent.PutExtra ("selectedPieId", pieId);  
StartActivity (intent);
```

Passing Data to Another Activity



```
protected override void OnCreate (Bundle bundle)
{
    base.OnCreate (bundle);
    SetContentView (Resource.Layout.Main);
    var selectedPieId = Intent.Extras.GetInt("selectedPieId", 0);
}
```

Receiving Data from the Intent



Demo



Adding stack navigation

Creating an Intent



Demo



Adding the shopping cart



Intent Types

Explicit

Implicit



Implicit Intents



Phone



Camera



Contacts



Data in Implicit Intents

Action

Data

MIME type

Extras

Categories



Demo



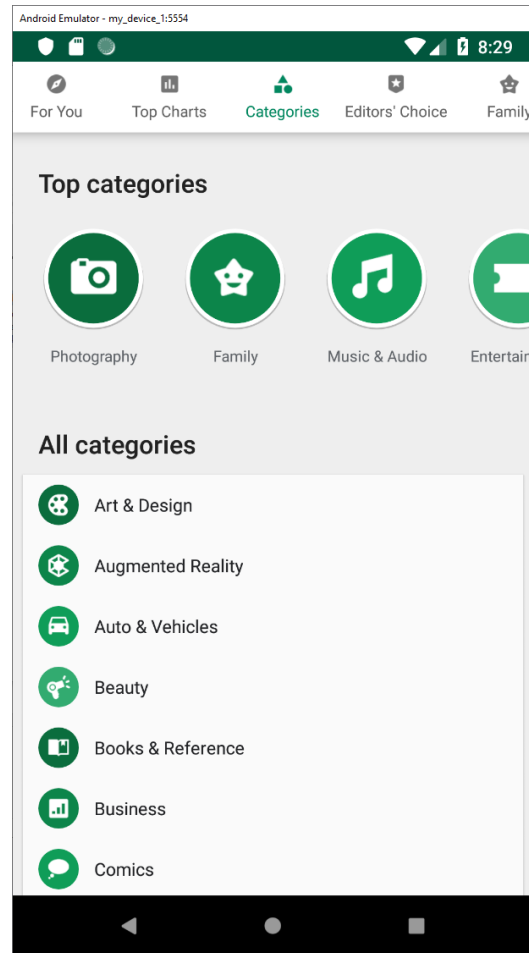
Making a phone call using an Intent



Using Tab Navigation



Tabs in Android





Tabs

- TabHost
- ActionBar
- Toolbar
- ViewPager – PagerTabStrip



ViewPager

- Swipe left/right through tabs
- Combined with PagerTabStrip
- Views or Fragments
- Adapter pattern

Fragments

UI module

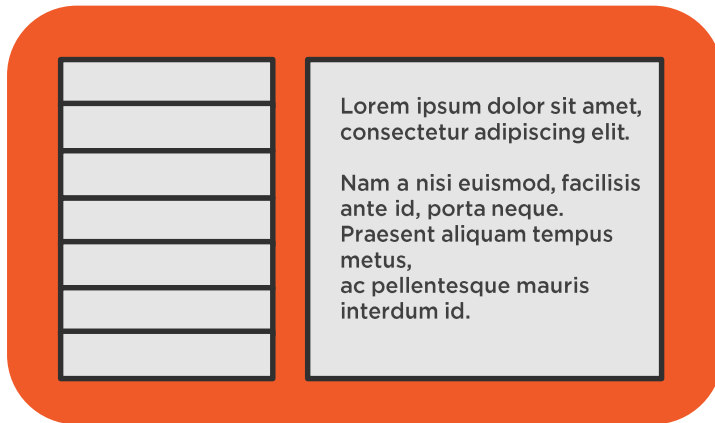
Reuse across
screens

Lifecycle



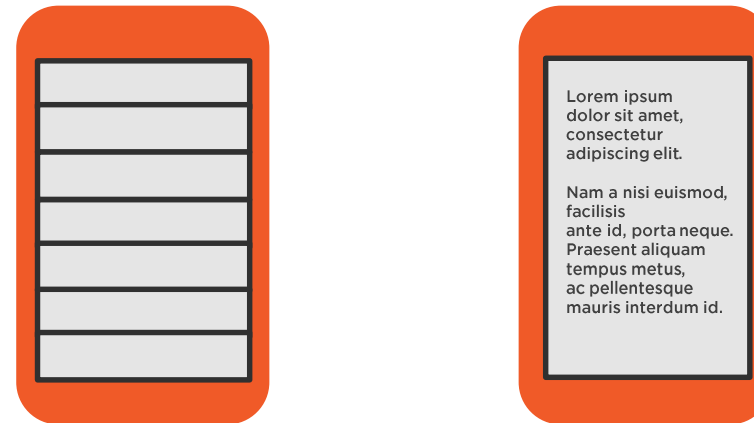
Why Fragments?

Tablet



One activity A containing
two fragments B & C

Phone



Activity A
contains
fragment B

Activity B
contains
fragment C



Demo



Adding tabs using the ViewPager

Adding fragments



Summary



Stack navigation is default

Intents are used for navigation

Tabs through the ViewPager





Up next:
Accessing remote data

