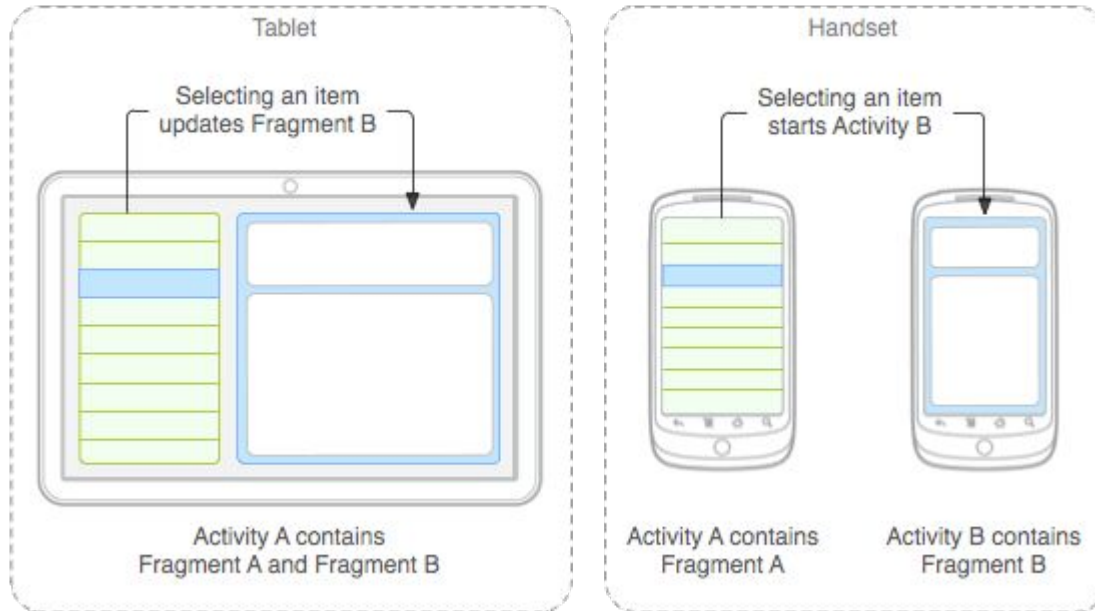


# Android Development

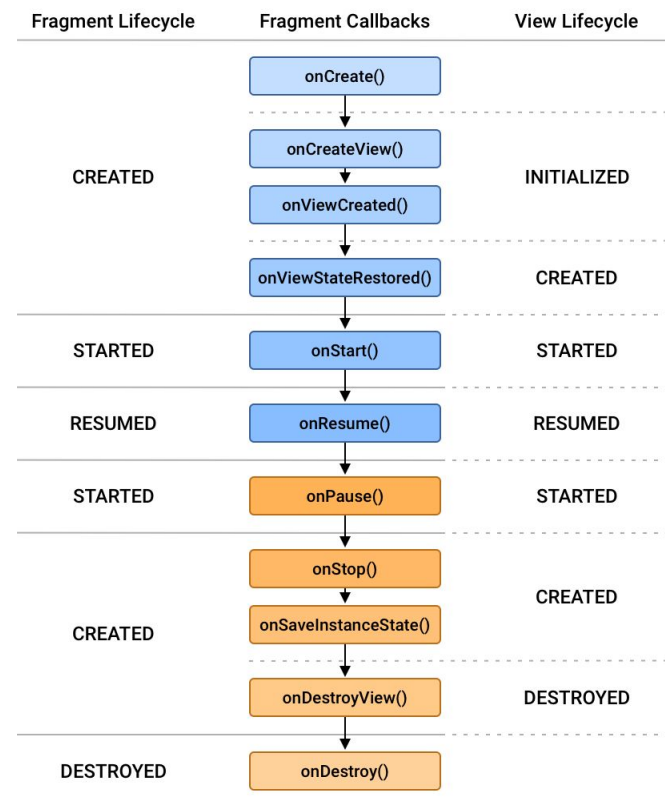
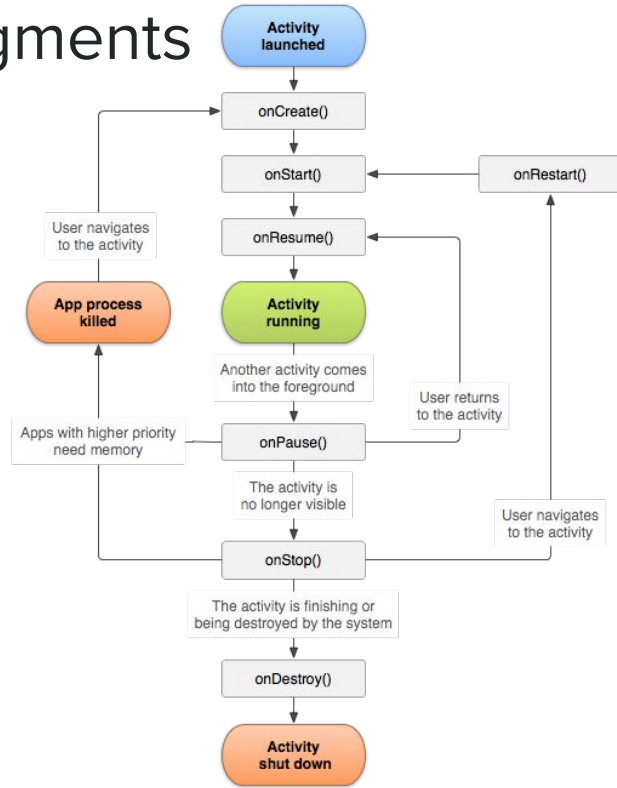
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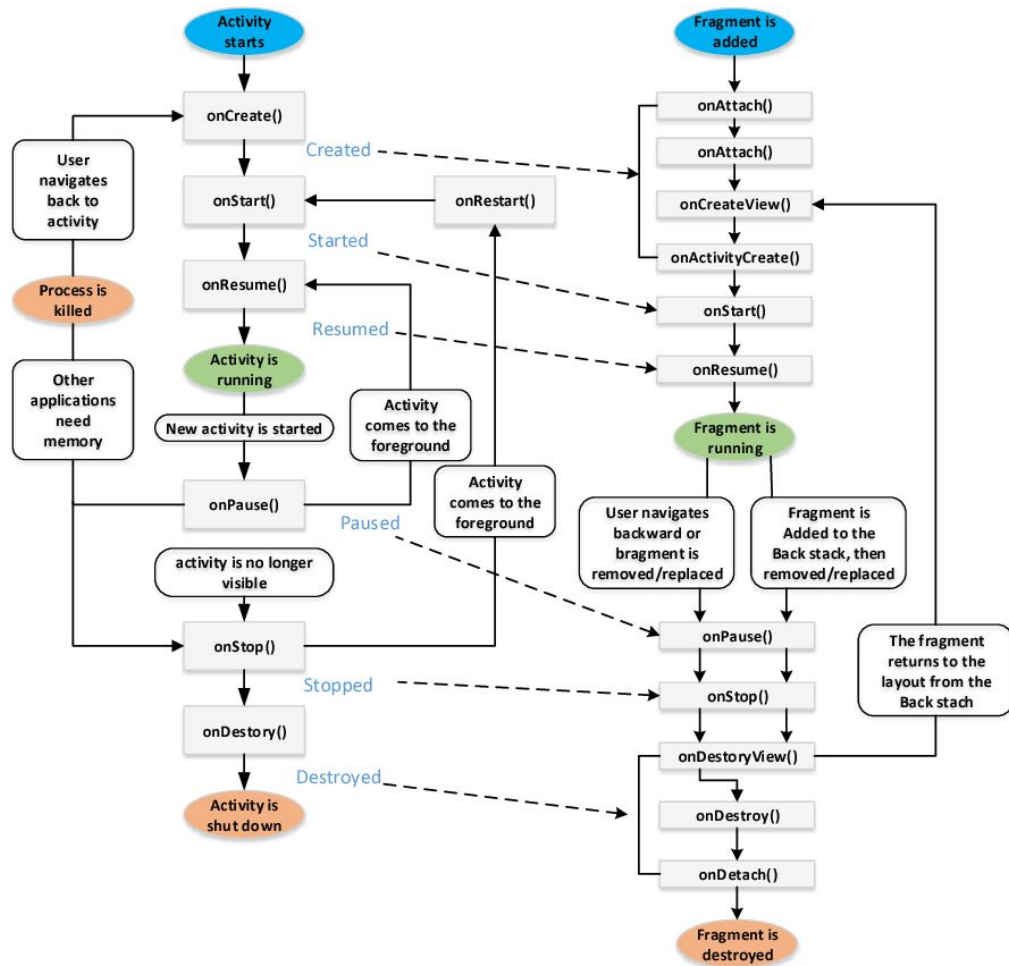


# Fragments



# Fragments

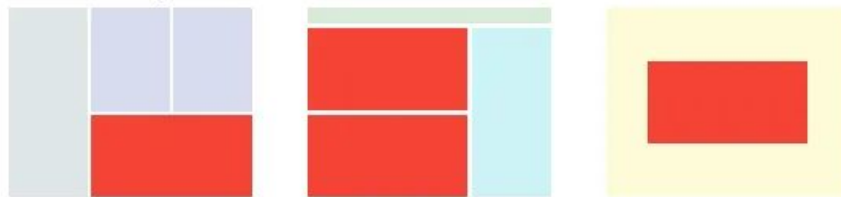




### Modularity



### Reusability



### Adaptability



```
class ExampleFragment : Fragment() {  
  
    override fun onCreateView(  
        inflater: LayoutInflater,  
        container: ViewGroup?,  
        savedInstanceState: Bundle?  
    ): View {  
        // Inflate the layout for this fragment  
        return inflater.inflate(R.layout.example_fragment, container, false)  
    }  
}
```

# Fragments

Layout

Fragment Manager

Fragment

Transaction

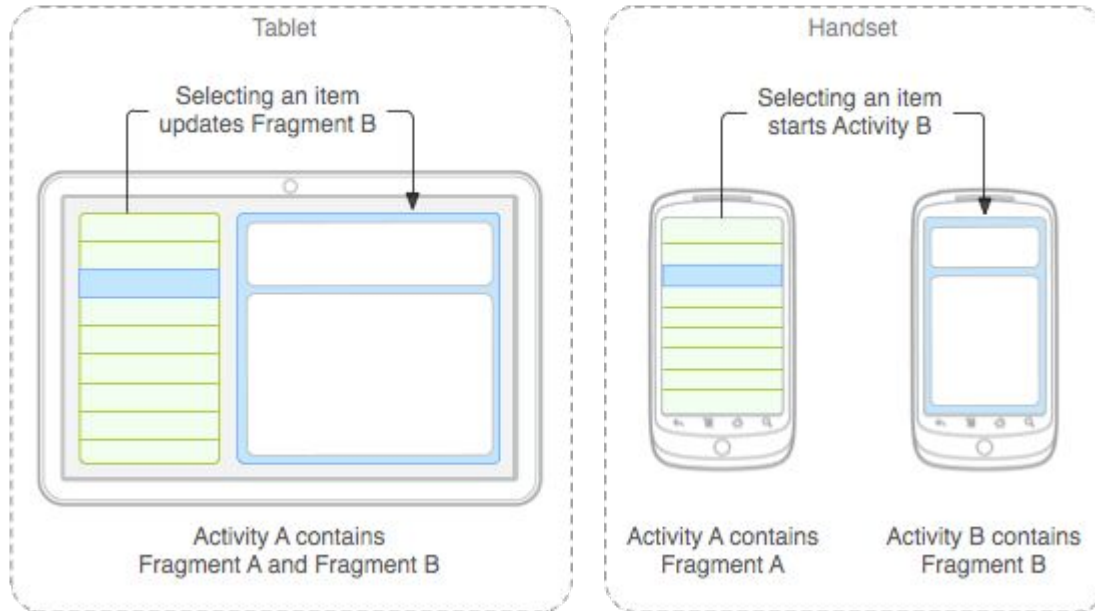


Fragment



layout

# Fragments





# Fragments

```
dependencies {  
    def fragment_version = "1.5.0"  
  
    // Java language implementation  
    implementation "androidx.fragment:fragment:$fragment_version"  
    // Kotlin  
    implementation "androidx.fragment:fragment-ktx:$fragment_version"  
}  
  
class ExampleFragment : Fragment(R.layout.example_fragment)
```

# Fragments

```
<androidx.fragment.app.FragmentContainerView
    xmlns:android="http://schemas.android.com/apk/res/android"
    android:id="@+id/fragment_container_view"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:name="com.example.ExampleFragment" />
```

```
<fragment
    android:name="com.example.examples.BlankFragment"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"></fragment>
```

# Fragments

```
class ExampleActivity : AppCompatActivity(R.layout.example_activity) {  
    override fun onCreate(savedInstanceState: Bundle?) {  
        super.onCreate(savedInstanceState)  
        if (savedInstanceState == null) {  
            val bundle = bundleOf("some_int" to 0)  
            supportFragmentManager.commit {  
                setReorderingAllowed(true)  
                add<ExampleFragment>(R.id.fragment_container_view, args = bundle)  
            }  
        }  
    }  
}
```

# Fragments

```
private var _binding: ResultProfileBinding? = null
// This property is only valid between onCreateView and
// onDestroyView.
private val binding get() = _binding!!

override fun onCreateView(
    inflater: LayoutInflater,
    container: ViewGroup?,
    savedInstanceState: Bundle?
): View? {
    _binding = ResultProfileBinding.inflate(inflater, container, false)
    val view = binding.root
    return view
}

override fun onDestroyView() {
    super.onDestroyView()
    _binding = null
}
```