

# KaiserDroid

## The rise of Android

First Workshop



# Android OS



# Android OS

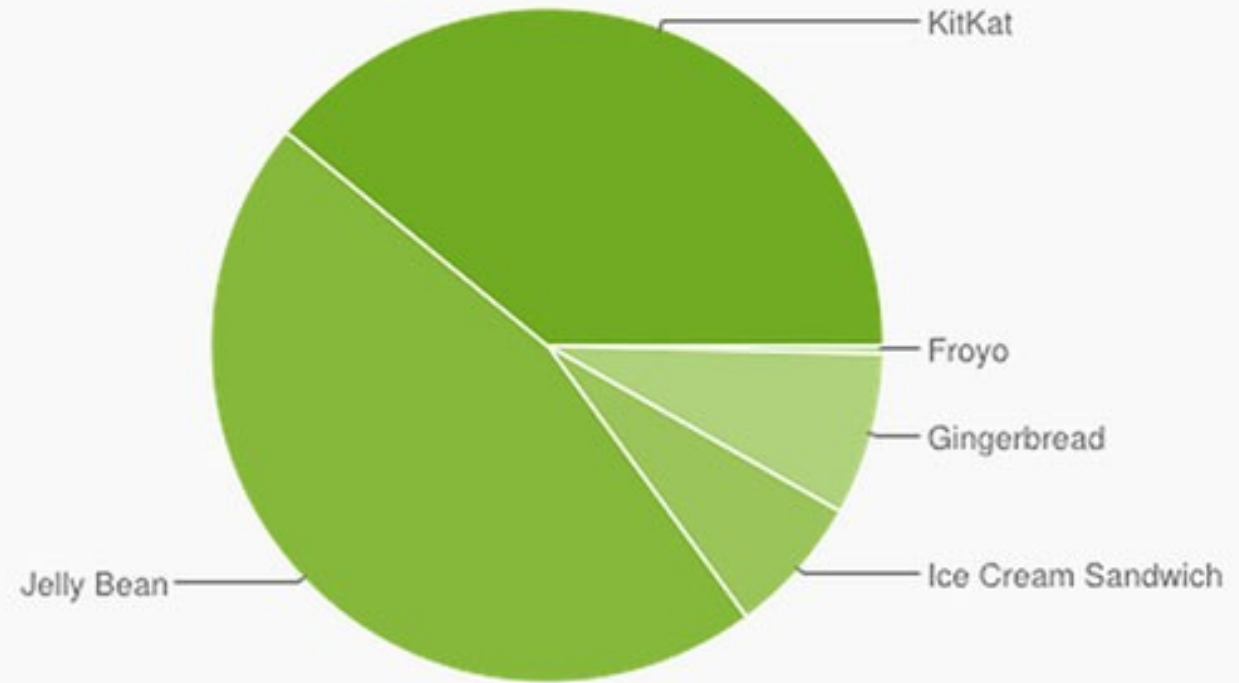
Version Code	Version Name	API Level
1.0	Alpha	1
1.1	Beta	2
1.5	Cupcake	3
1.6	Donut	4
2.0	Éclair	5
2.0.1	Éclair	6
2.1	Éclair	7
2.2 - 2.2.3	Froyo	8
2.3 - 2.3.2	Gingerbread	9
2.3.3 - 2.3.7	Gingerbread	10
3.0	Honeycomb	11

# Android OS

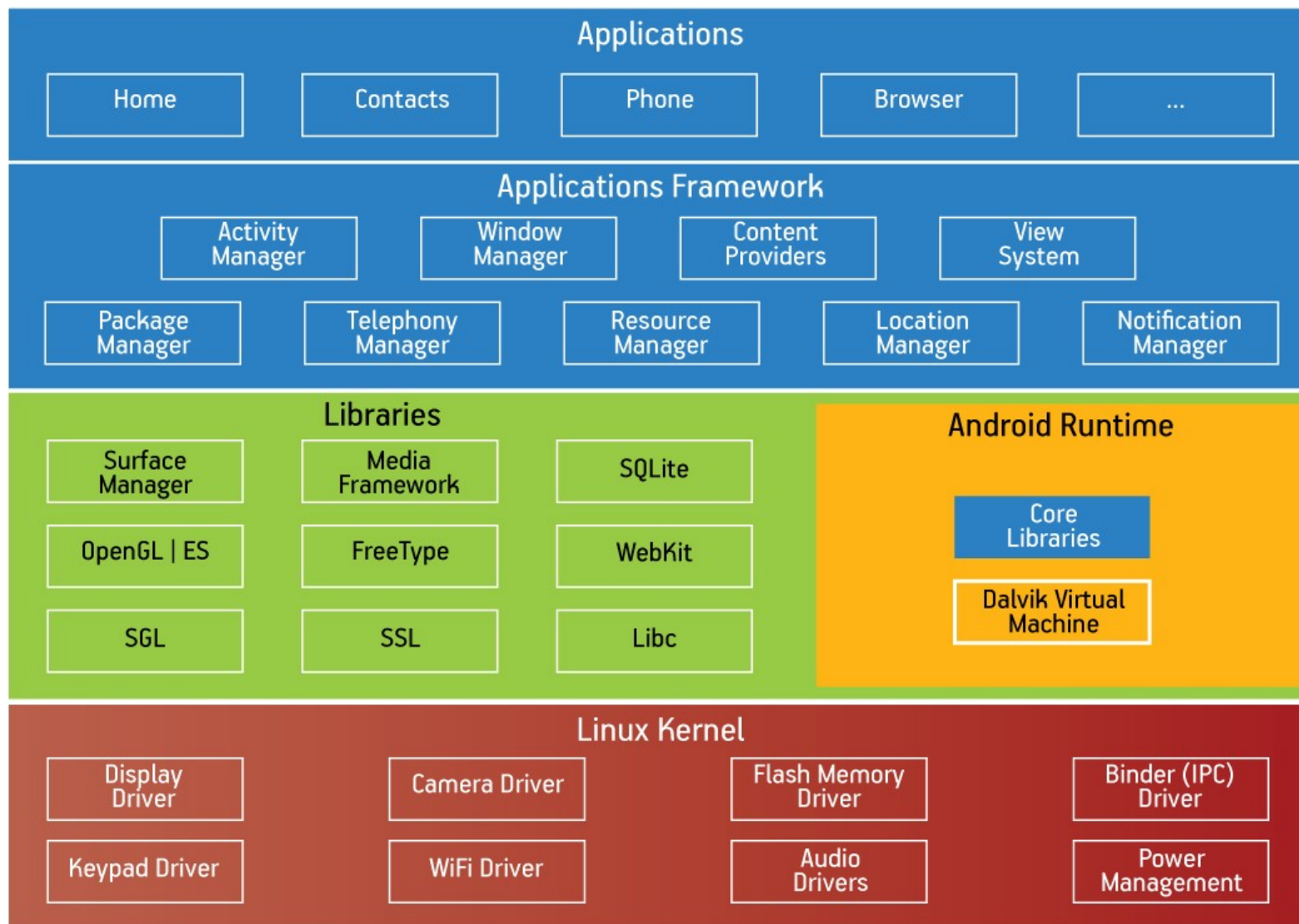
Version Code	Version Name	API Code
3.1	Honeycomb	12
3.2 - 3.2.6	Honeycomb	13
4.0 - 4.0.2	Ice Cream Sandwich	14
4.0.3 - 4.0.4	Ice Cream Sandwich	15
4.1 - 4.1.2	Jelly Beans	16
4.2 - 4.2.2	Jelly Beans	17
4.3 - 4.3.1	Jelly Beans	18
4.4 - 4.4.4	KitKat	19
4.4w - 4.4w.2	KitKat	20
5.0 - 5.0.2	Lollipop	21
5.1 - 5.1.1	Lollipop	22

# Android OS

Version	Codename	API	Distribution
2.2	Froyo	8	0.4%
2.3.3 - 2.3.7	Gingerbread	10	7.8%
4.0.3 - 4.0.4	Ice Cream Sandwich	15	6.7%
4.1.x	Jelly Bean	16	19.2%
4.2.x		17	20.3%
4.3		18	6.5%
4.4	KitKat	19	39.1%



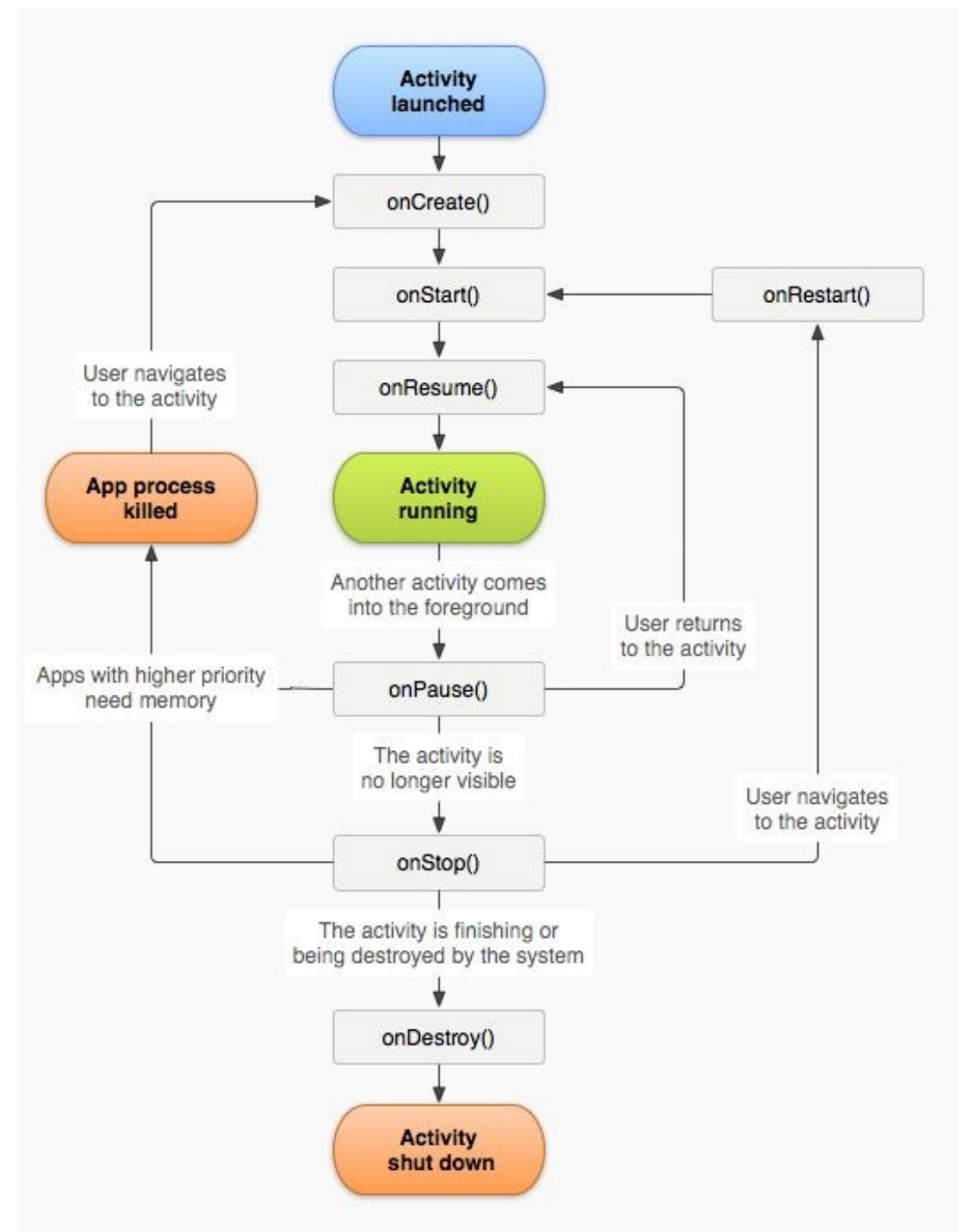
# Android OS



# Android Application Structure

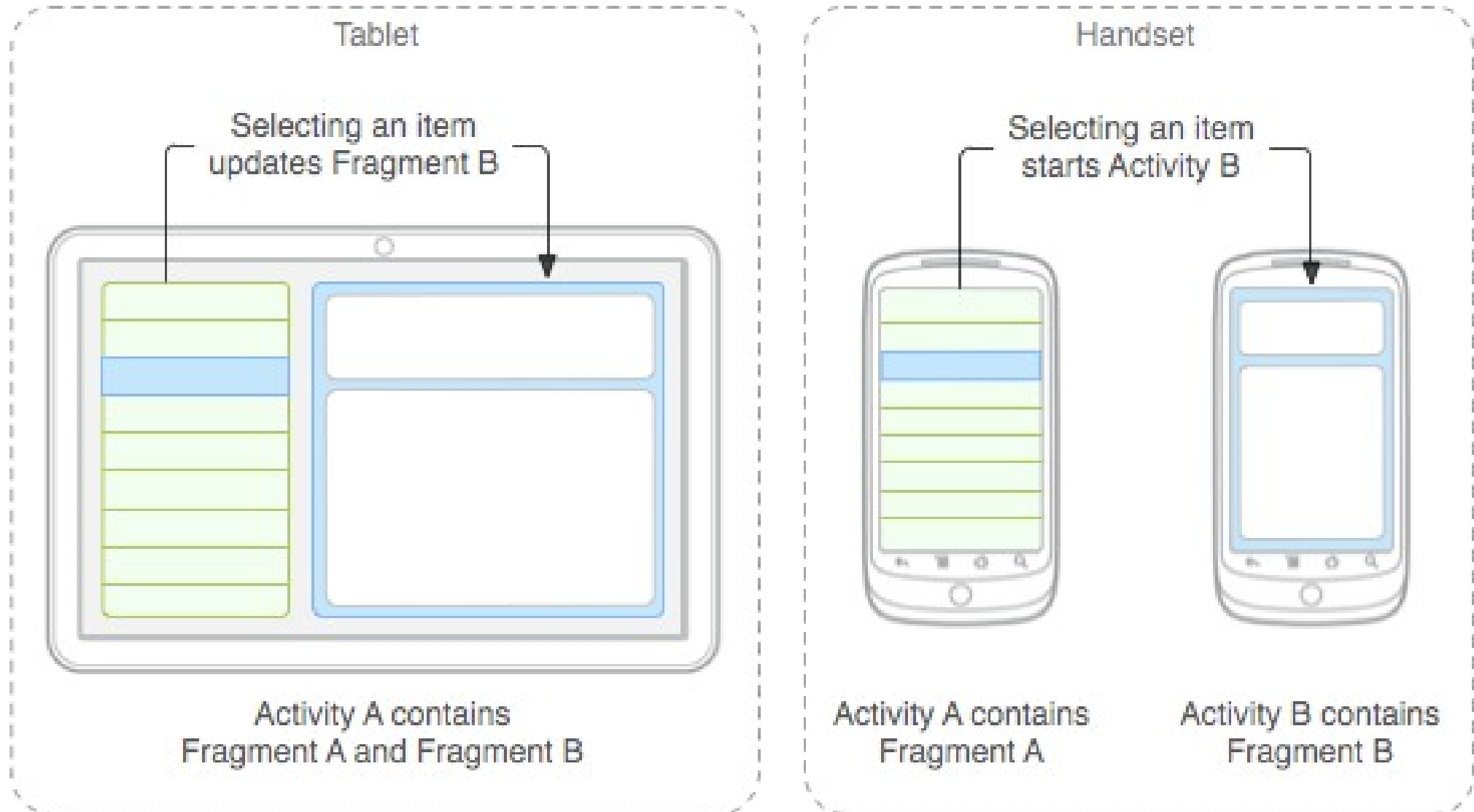
- Activity : a single, focused thing that the user can do.
  - Provide UI
  - Capture Interaction
- Service
- Broadcast Receiver
  - Subscribe/Publish
- Content Provider

# Activity Class

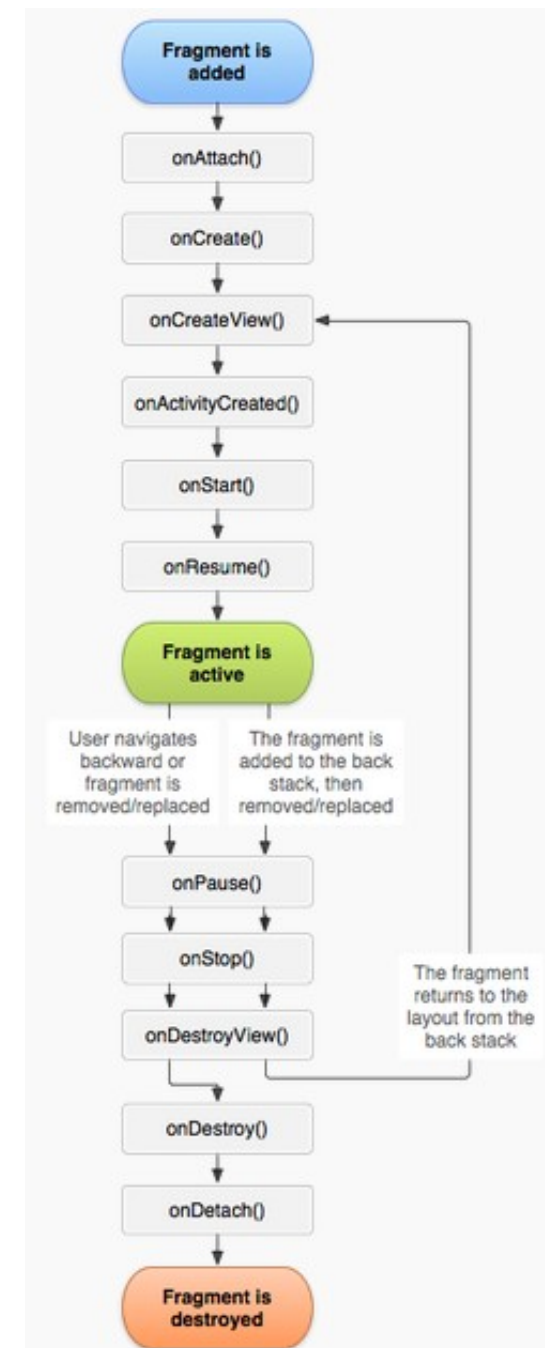




# Fragment Class



# Fragment Class



# Intent Class

- a data structure that represents An operation to be performed, or An event that has occurred
- Intent is constructed by one component that wants some work done
- Received by one activity that can perform that work

# Intent Fields

- Action
- Data
- Category
- Type
- Component
- Extras
- Flags