



Programming with Android: **Activities**

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Activity

➤ Outline:

- What is started by the device
- It contains the application's informations
- Has method to answer certain events
- An application could be composed of multiple activities



Creating an activity

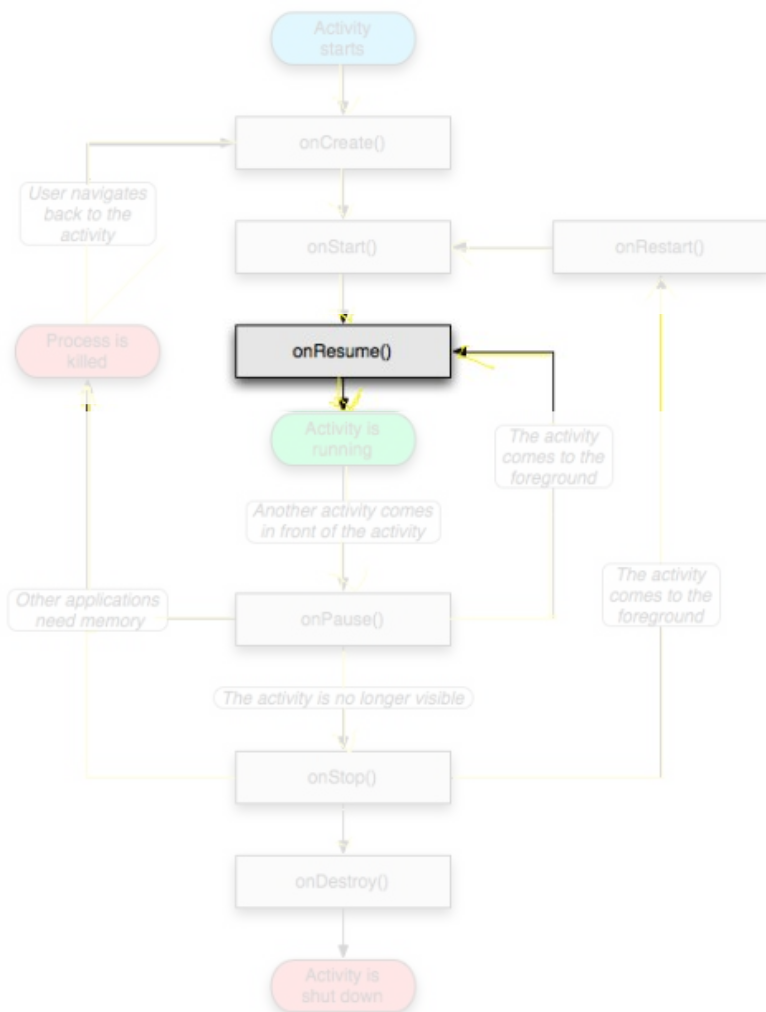
- Create a class that is a subclass of Activity
- Implement callback methods
 - OnCreate():
 - Initialize
 - setContentView()



Activity lifecycle

➤ OnResume()

- Called when the activity is ready to get input from users
- Called when the activity is resumed too
- If it successfully terminates, then the Activity is RUNNING

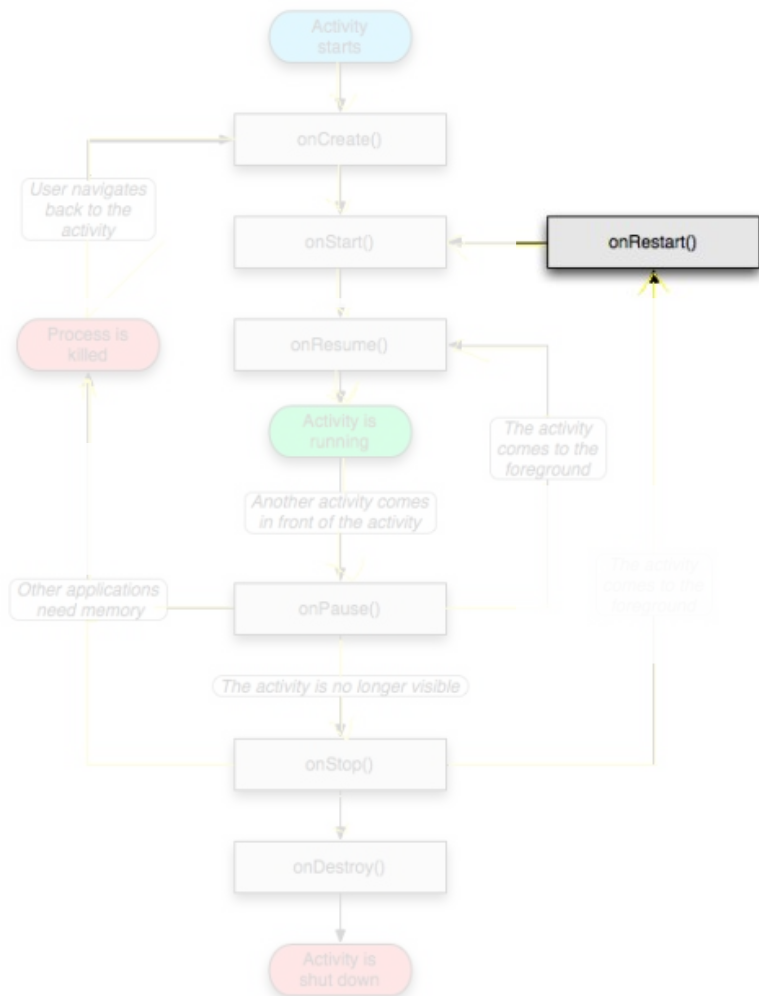




Activity lifecycle

➤ OnRestart()

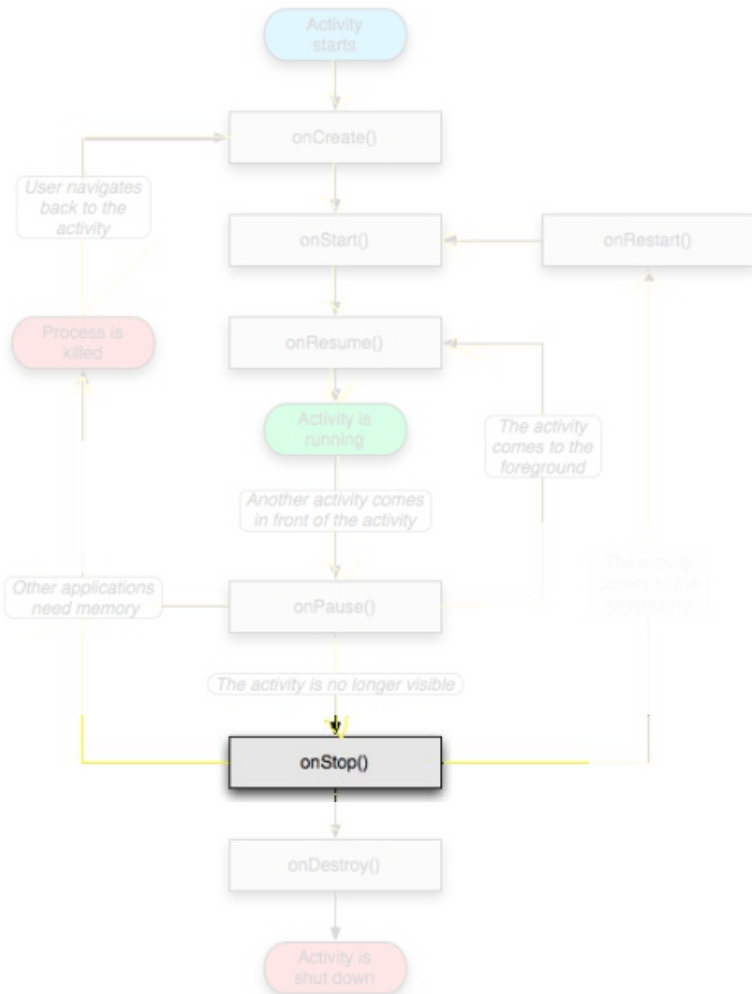
- Similar to onCreate()
- We have an activity that was previously stopped



Activity lifecycle

➤ OnStop()

- Activity is no longer visible to the user
- Could be called because:
 - the activity is about to be destroyed
 - another activity comes to the foreground



➤ OnDestroy()

- The activity is about to be destroyed
- Could happen because:
 - The systems need some stack space
 - Someone called finish() method on this activity
 - Could check with isFinishing()

