Exploring Fragment Lifecycle

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onDetach

onAttach

onCreate

onCreateView

onActivityCreated

onStart

onResume

Fragment Running

onPause

onStop

onDestroyView

onDestroy

onDetach

Demo: Fragment Lifecycle

Fragment Lifecycle and Activity Lifecycle

Activity | Fragment

onCreate

onAttach

onAttachFragment

onCreate

onCreateView

onActivityCreated

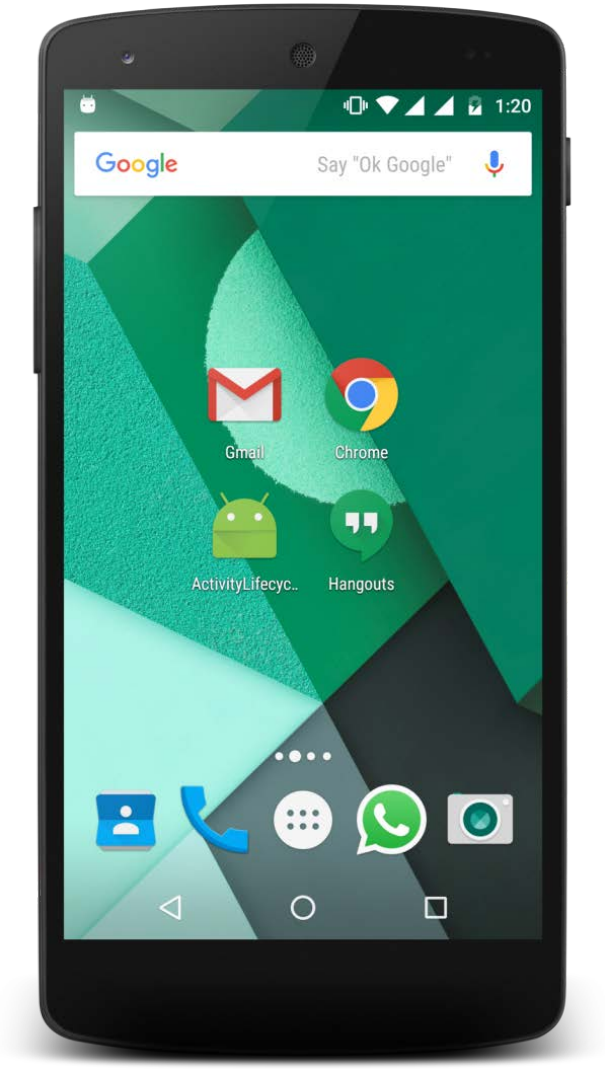
onStart

onStart

onResume

onResume

Activity + Fragment
Running



Activity + Fragment Running

onPause

onPause

onStop

onStop

onDestroyView

onDestroy

onDetach

onDestroy

Fragment Lifecycle and Activity Lifecycle

Summary

onAttach

- The fragment has been attached to the Activity
- Provides the reference to the context of Activity

onCreate

- Initialise essential components

onCreateView

- Fragment draws its User Interface
- Return
  - View: Fragments layout root View
  - Null: If Fragment has no UI

Summary

onActivityCreated

- Called when Activity has been created
- And Fragment's view hierarchy instantiated

onStart

- Fragment gets visible

onResume

- Fragment is in Running state

Summary

onPause

- Indication of User leaving the Fragment
- Fragment is still visible
- Save the state of Fragment

onStop

- Fragment is not visible
- Either host Activity has been stopped or the fragment has been removed and added to back stack

Summary

onDestroyView

- Opposite to onCreateView
- The View hierarchy of the fragment is removed

onDestroy

- Final cleanup of Fragments state

onDetach

- Fragment has been disassociated from its hosting Activity