Playing Around with Fragment Transactions

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Overview

Transaction types :

- Add
- Remove
- Replace
- Attach
- Detach
- Show
- Hide

Initial Project Setup

Overview

ADD

- Create a new Fragment
- Get the id of the container layout
- Use add() to add the Fragment
  - The Fragment is added to the container layout

REMOVE

- Get the reference to the Fragment to be removed
- Use remove() to remove the Fragment
  - The Fragment is Destroyed
  - Detached from the host Activity

Overview

REPLACE
- Get the id of the container layout
- Get a reference to the new Fragment
- Use replace() to replace the content Fragment of the container layout
  - The new Fragment fills the container
  - The old fragment if any is destroyed

Overview

DETACH

- Get the reference to the Fragment

- Use detach() to detach the Fragment from Activity UI

  • The Fragment's View is destroyed

  • The Fragment and its UI is detached from the host Activity

ATTACH

- Get the reference to the DETACHED Fragment

- Use attach() to reattach the Fragment

  • The Fragment's View is recreated

  • The Fragment is re-attached to the Activity and is Visible

Overview

HIDE

- Get the reference to the Fragment to hide
- Use hide() to hide the Fragment
  - Fragment's View becomes invisible
  - The Fragment continues to be in Resumed State

SHOW

- Get the reference to the HIDDEN Fragment
- Use show() to make it Visible
  - The View of the Fragment is now Visible
  - Remains in Resumed state as it was earlier