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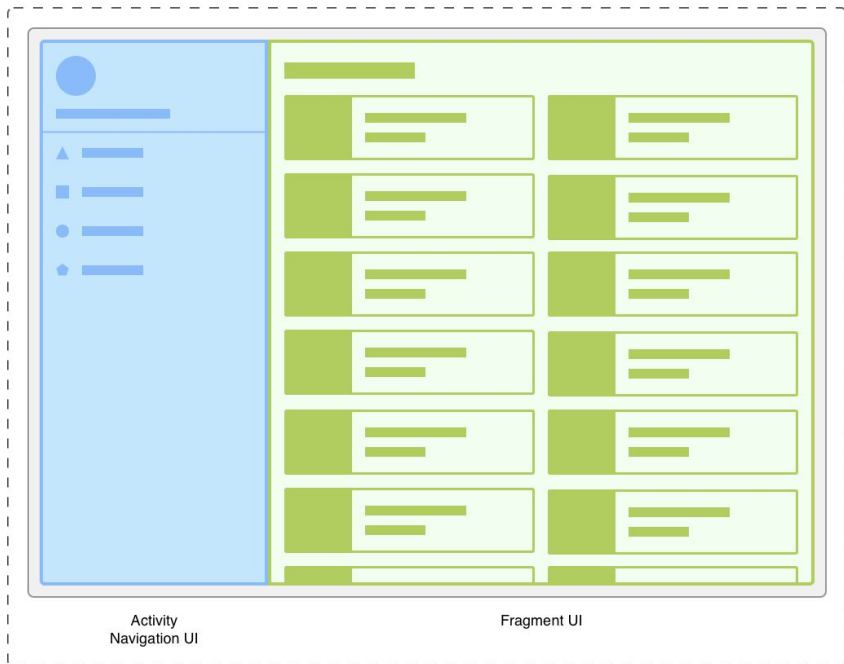
Fragment

Ivy

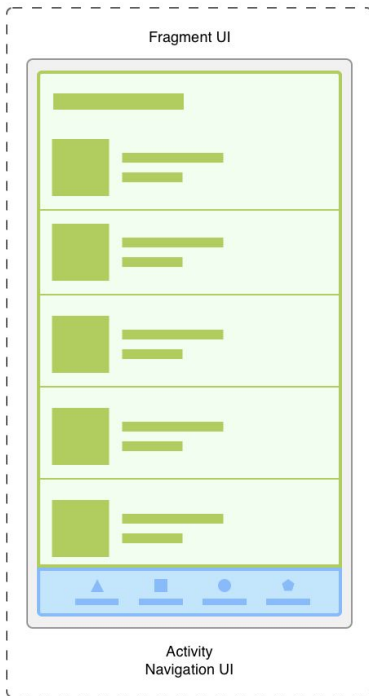
# Fragment

# Fragment - UI의 Modularity와 Reusability

Large Screen



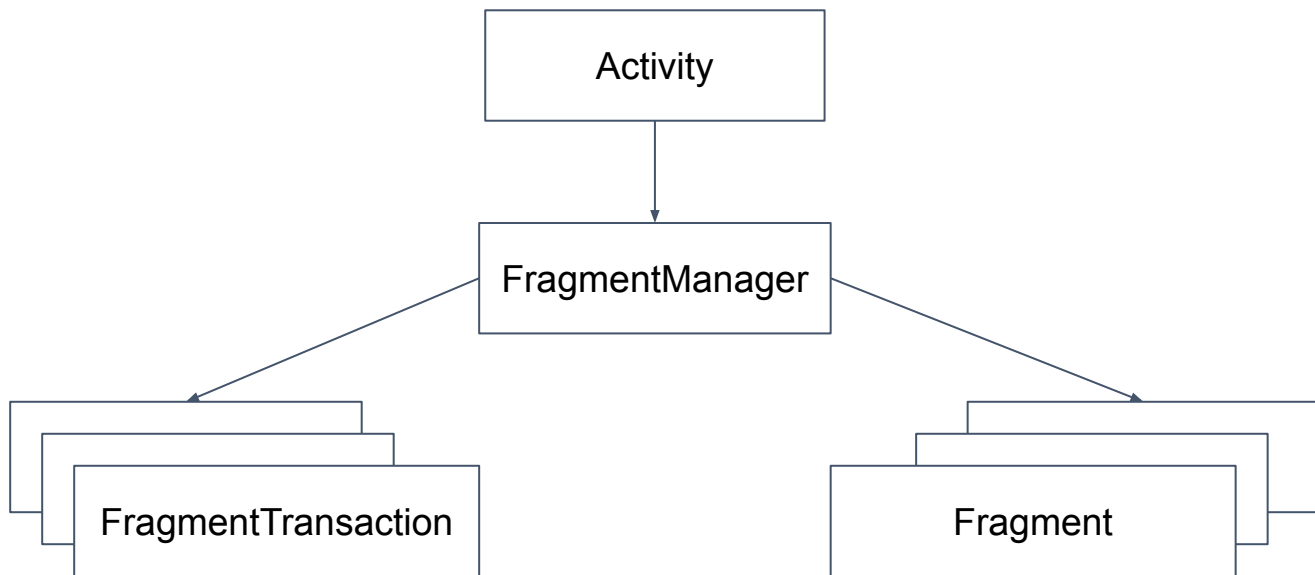
Small Screen



- Activity UI를 모듈화하면, 유연성 ↑
- UI 조립 가능
- 화면 크기에 따른 배치

# FragmentManager

- Fragment의 뷰를 Activity의 뷰 계층에 추가/삭제/교체합니다.



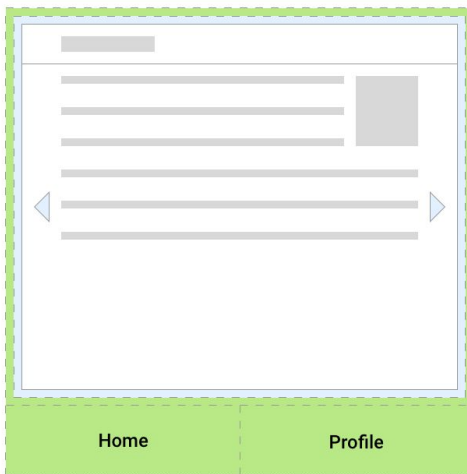
# FragmentManager

- FragmentManager는 코드에 드러납니다.
- 참조가 있으면, 사용자에게 표시되는 Fragment를 조작가능합니다.

Example 1  
Split-View



Example 2  
Swipe View



Level

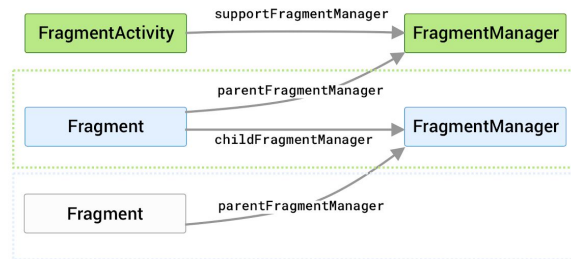
Host Activity

Host Fragment

Child Fragment(s)

Instance of

Fragment Manager



Each FragmentManager manages child fragments of the host

Host Activity Layout

Host Fragment Layout

Child(ren) Fragment Layout(s)

# FragmentTransaction

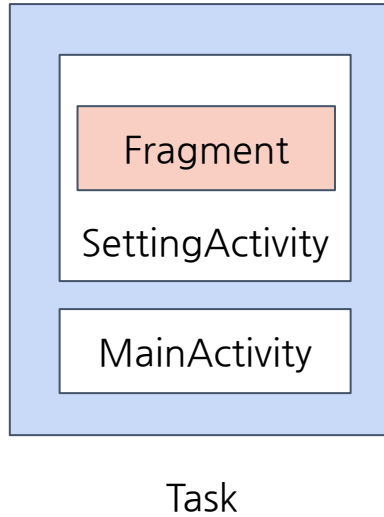
- Fragment 리스트에 Fragment를 추가/삭제/변경 하는데 사용합니다.
- FragmentManager는 FragmentTransaction의 back stack을 관리합니다.

- transaction

fragment 의 변경(추가/삭제/변경)을 요청(commit)하기 위해 수행하는 작업의 단위입니다.

```
supportFragmentManager.commit {  
    setCustomAnimations(enter1, exit1, popEnter1, popExit1)  
    add<ExampleFragment>(R.id.container) // gets the first animations  
    setCustomAnimations(enter2, exit2, popEnter2, popExit2)  
    add<ExampleFragment>(R.id.container) // gets the second animations  
}
```

# Fragment Back Stack



# 학습 Keyword

Activity vs Fragment

Fragment Lifecycle

Activity / Fragment Navigation