Design of Concurrent Code

Main design rule for concurrent code in Android:

Presentation layer logic should use UI thread exclusively!

Presentation layer logic:

UI logic

Android controllers (Activities, Fragments)

Standalone controllers (controllers, presenters, ViewModel’s, etc.)

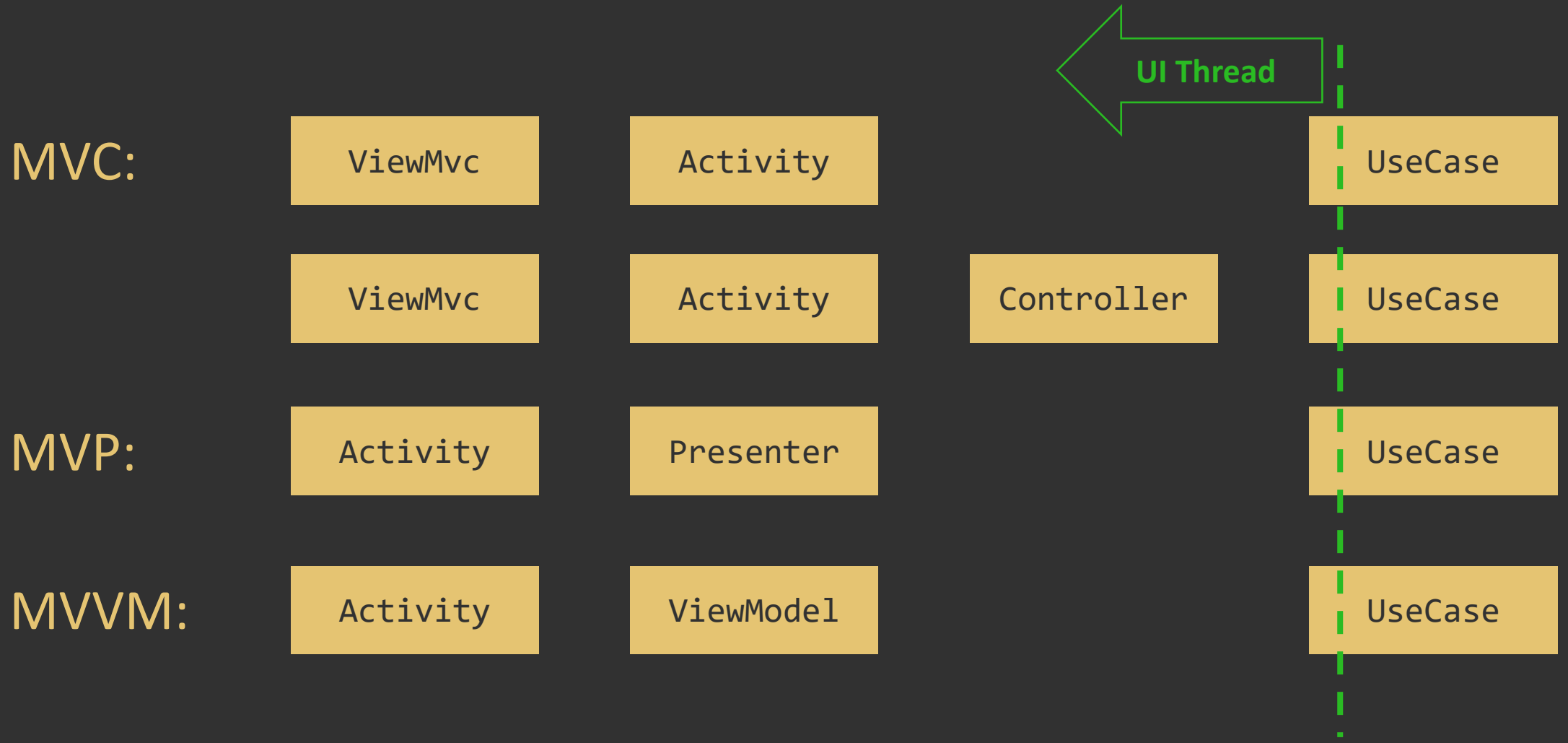
No multithreading in these entities!

Design of Concurrent Code Summary

Main design rule for concurrent code in Android:

Presentation layer logic should use UI thread exclusively!

UseCase classes (also known as “interactors”) can encapsulate multithreaded flows


UI Thread
MVC:
ViewMvc
Activity
UseCase
ViewMvc
Activity
Controller
UseCase
MVP:
Activity
Presenter
UseCase
MVVM:
Activity
ViewModel
UseCase