

NSOperationQueue 동시성 관리

Swift - iOS 앱 개발 심화과정



NSOperationQueue - 동시성 관리

목표

GCD를 추상화한 NSOperationQueue를 통해
고차원에서 동시성을 구현하는 방법을 익힌다.

Concurrency

정의

프로그램을 I/O를 수행하는 여러 개의 쓰레드를 구현하는 것을 의미한다. 쓰레드가 I/O를 수행하기 때문에 프로그램의 의미는 비결정적(non-deterministic)이다.

Concurrency

구현방법

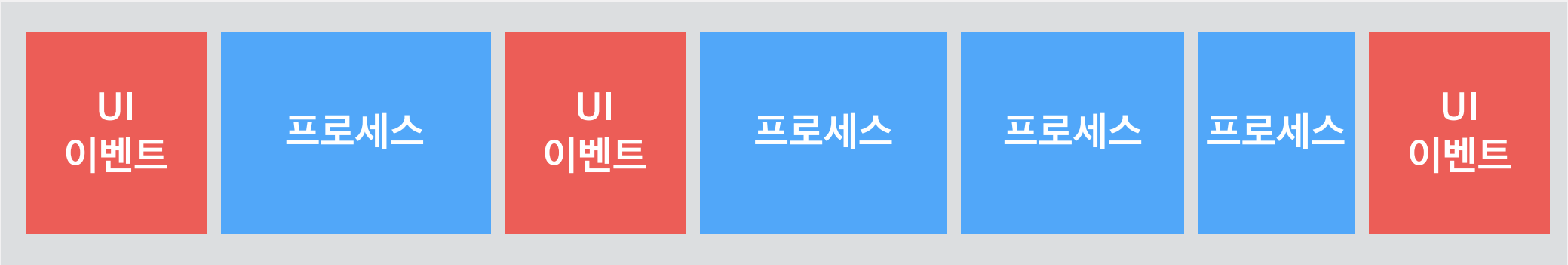
- performSelectorInBackground:withObject:

```
- (void)performSelectorInBackground:(SEL)aSelector  
    withObject:(id)arg;
```

- NSOperationQueue
- Grand Central Dispatch

OperationQueue

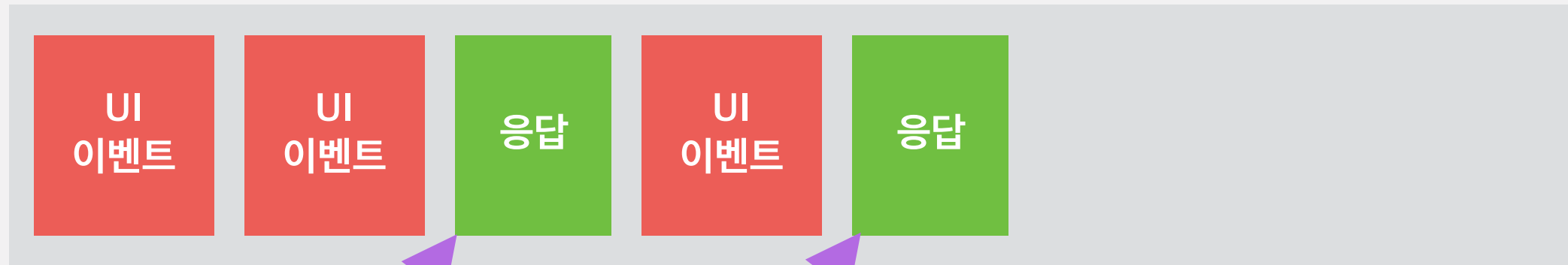
Main Queue
User Interface



OperationQueue

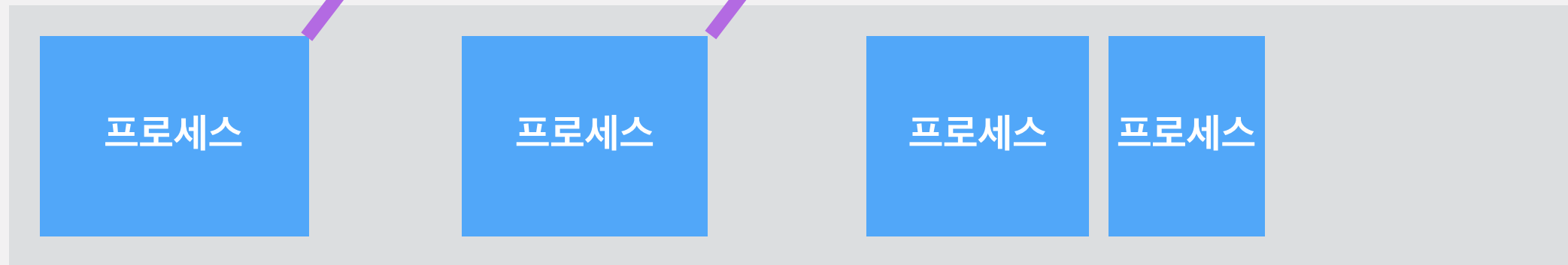
Main Queue

User Interface



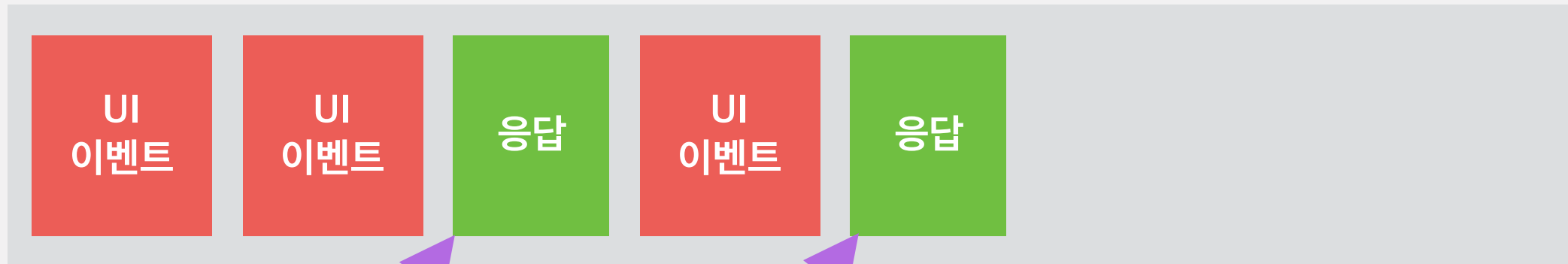
Sub Queue

Sub Thread

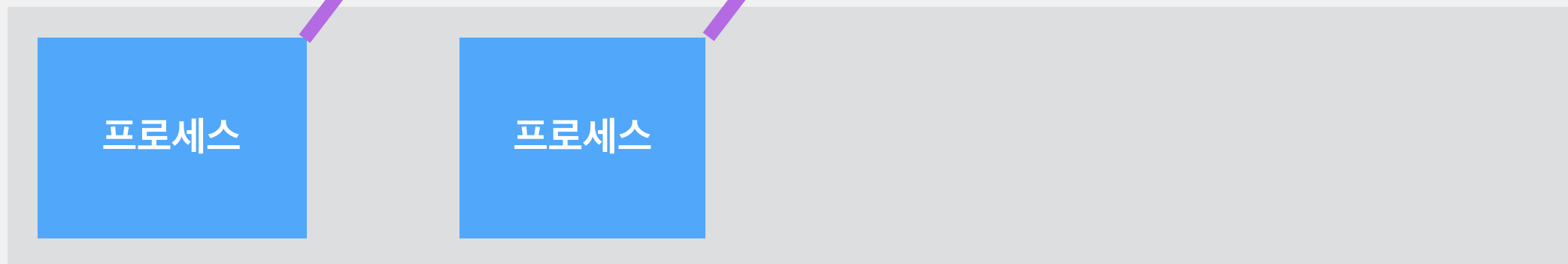


OperationQueue

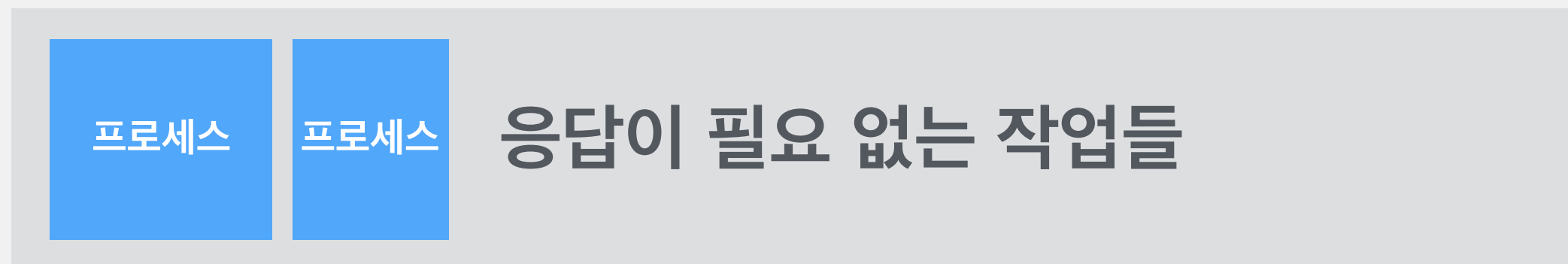
Main Queue *User Interface*



Sub Queue 1 *Sub Thread*

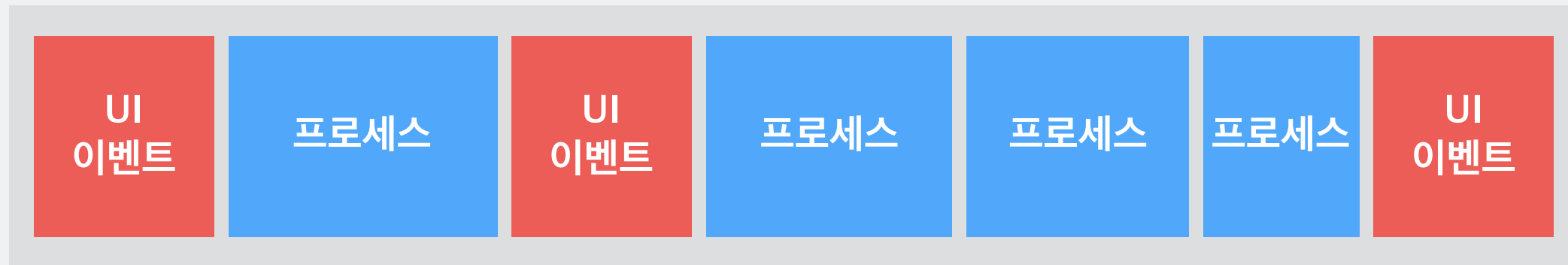


Sub Queue 2 *Sub Thread*



OperationQueue

Main Queue *User Interface*



VS

Main Queue *User Interface*



Sub Queue 1 *Sub Thread*



Sub Queue 2 *Sub Thread*

