

Combine 개념 & 예제

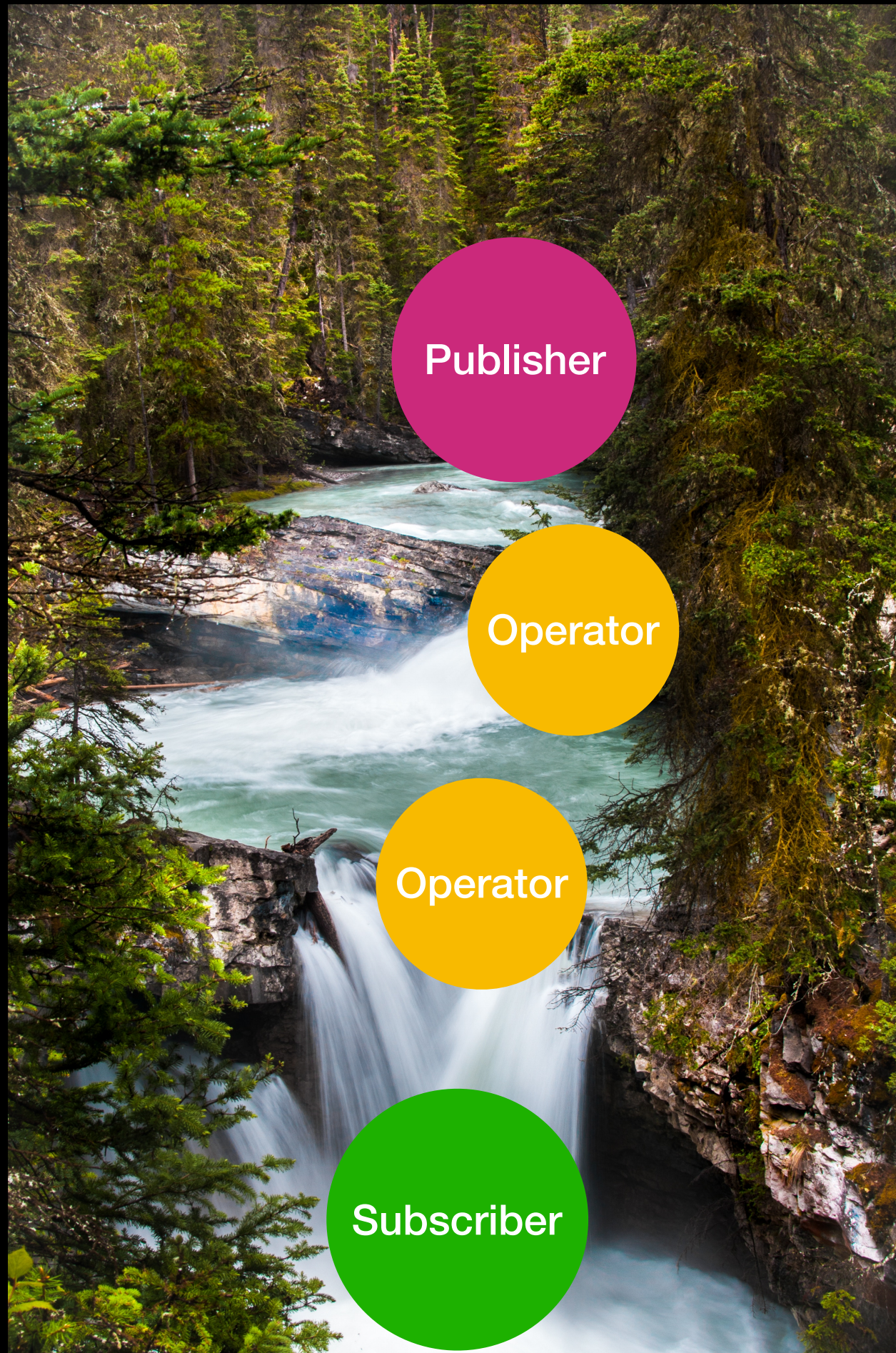
Combine으로 레포 검색 구현하기

개념

Stream, Combine



Photo by [Ezra Comeau-Jeffrey](#) on [Unsplash](#)



Publisher

Operator

Operator

Subscriber



선언적
struct로 구현



선언적
struct로 구현



상태변경
Class로 구현

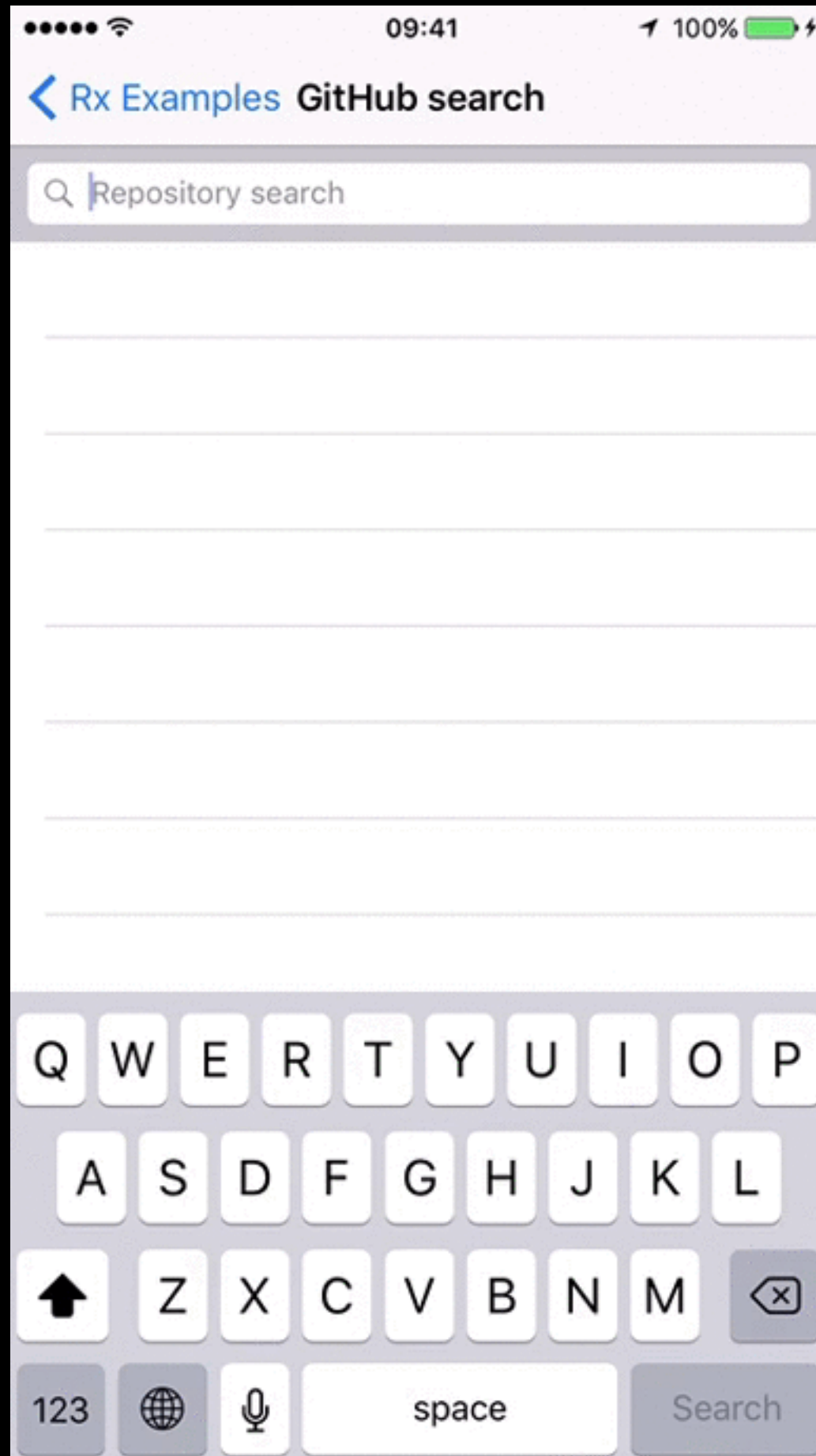
Composition!

- Founctional transformation
- 에러 핸들링
- 스레드 관리
- 스케줄링

예제

Searching github repository

RxSwift 예제 따라하기



RxSwift 예제 따라하기



```
let searchResults = searchBar.rx.text.orEmpty
    .throttle(.milliseconds(300), scheduler: MainScheduler.instance)
    .distinctUntilChanged()
    .flatMapLatest { query -> Observable<[Repository]> in
        if query.isEmpty {
            return .just([])
        }
        return searchGitHub(query)
            .catchErrorJustReturn([])
    }
    .observeOn(MainScheduler.instance)
```

RxSwift 예제 따라하기



```
cancellable = $text
    .throttle(for: .milliseconds(300), scheduler: DispatchQueue.main, latest: true)
    .removeDuplicates()
    .map { query -> RepositoryAPI.SearchResponse in
        if query.isEmpty {
            return Publishers.Just([]).eraseToAnyPublisher()
        }
        return RepositoryAPI.search(query: query)
    }
    .switchToLatest()
    .receive(on: DispatchQueue.main)
    .assign(to: \.repositories, on: self)
```

