

FROM RXSWIFT PERSPECTIVE

---

**WELCOME TO RX WORLD  
(ELEMENTARY)**



---

# INTRODUCTION



RXSWIFT & RXCOCO A

---



**CONTENT**

# RXSWIFT

## How to compose functions



## 3 CONCEPTS

- ▶ Roles in Rx
- ▶ Observable, Subject
  - ▶ Observable: create  subscribe 
  - ▶ => Static
  - ▶ Subject
- ▶ Operators
- ▶ Scheduler









# RXCOCOA

1. **Static UI, e.g. UILabel**
2. **Interactive UI, e.g. UISwitch**

## ABOUT RXCOCOA

- ▶ `ControlProperty<Bool>: UISwitch+Rx.swift`    [  Observable]
- ▶ `Binder<String?>: UILabel+Rx.swift`    [  Observer]

# BINDER

- ▶ UILabel+Rx.swift
  - ▶ [✨Observer]
  - ▶ Binding with underlying logic (show information)
  - ▶ Can't bind error

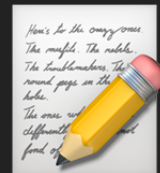


# TRAITS

- ▶ Attributes

- ▶ can't error out;
- ▶ observe, subscribe on main scheduler;

- ▶ What



- ▶ ControlProperty, ControlEvent
- ▶ Drive

A black and white photograph of three wind turbines. The largest turbine is in the foreground on the left, with its three blades extending upwards. Two smaller turbines are visible in the background, one in the center and one further back on the right. The sky is filled with large, dramatic clouds.

# IN PRACTICE

## Functional & MVVM

# FUNCTIONAL

RETRYWHEN & FLATMAP

**MVVM**

**MVC = MASSIVE VIEW CONTROLLER**

**A Joke**



---

# CONCLUDE



# SUMMERIZE

- ▶ Notion about Rx: logo, name, origin
- ▶ RxSwift
  - ▶ ✨Observable(Subject) ✨Operators ✨Scheduler
- ▶ RxCocoa
  - ▶ ✨ControlProperty ✨Binder ✨Drive
- ▶ IN PRACTICE
  - ▶ ✨Functional ✨MVVM
- ▶ !!

EVERYTHING IS

A SEQUENCE





---

# REFERENCES