RxAndroid/RxJava

Integration into your Android Applications

“Adapt what is useful, reject what is useless,
and add what is specifically your own.”

~Bruce Lee

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Reactive Extensions -> Rx {
Observer Pattern
Iterator Pattern
}

Observer Pattern

"Define a one to many dependency between objects so that when one object changes state, all its dependents are notified and updated automatically." a.k.a Pub&Sub, Dependents

~Gang of Four

parts — Subject & Observer

$$Y = aX^{b}$$

The Learning Curve

Naming is Hard …

Subject == Observable
Observer == Subscription == Action#

UnitTest == Local Machine JVM == Roboletric

AndroidTest == Device || Emulator == Integration Test==
Espresso == ActivityLifecycleTest2

RxAndroid

RxAndroid

RxBindings

RxLifecycle

RxJava

SQLBrite
RetoLambda
etc.

- Make two or more asynchronous server calls.
- Some of these calls can be dependent upon one another.
- I do not care about updating anything until all calls are finished
- Error handling, timeouts, retries etc.

“Talk is cheap show me the code.”

~Linus Torvalds

github.com/jriley/rxexample