Deep Dive Into React Native

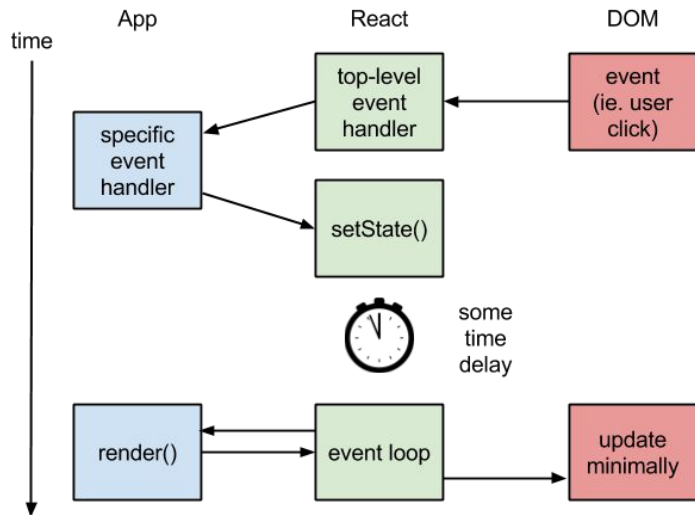**Hello!**

UBER

P

SSCS
Solutions to Fuel your Bottom Line

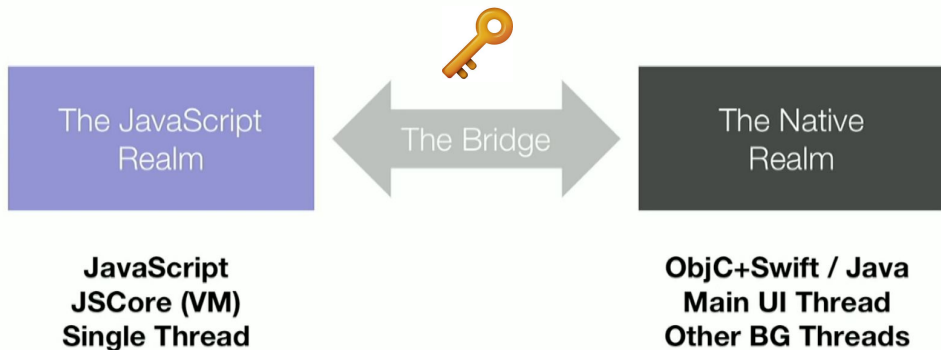# React Native vs. React (Yet another JS framework(s)...)

React: V in MVC.

React is a dependency of React Native.

React Native: All encompassing framework to build native mobile apps! (Cross-platform too!)
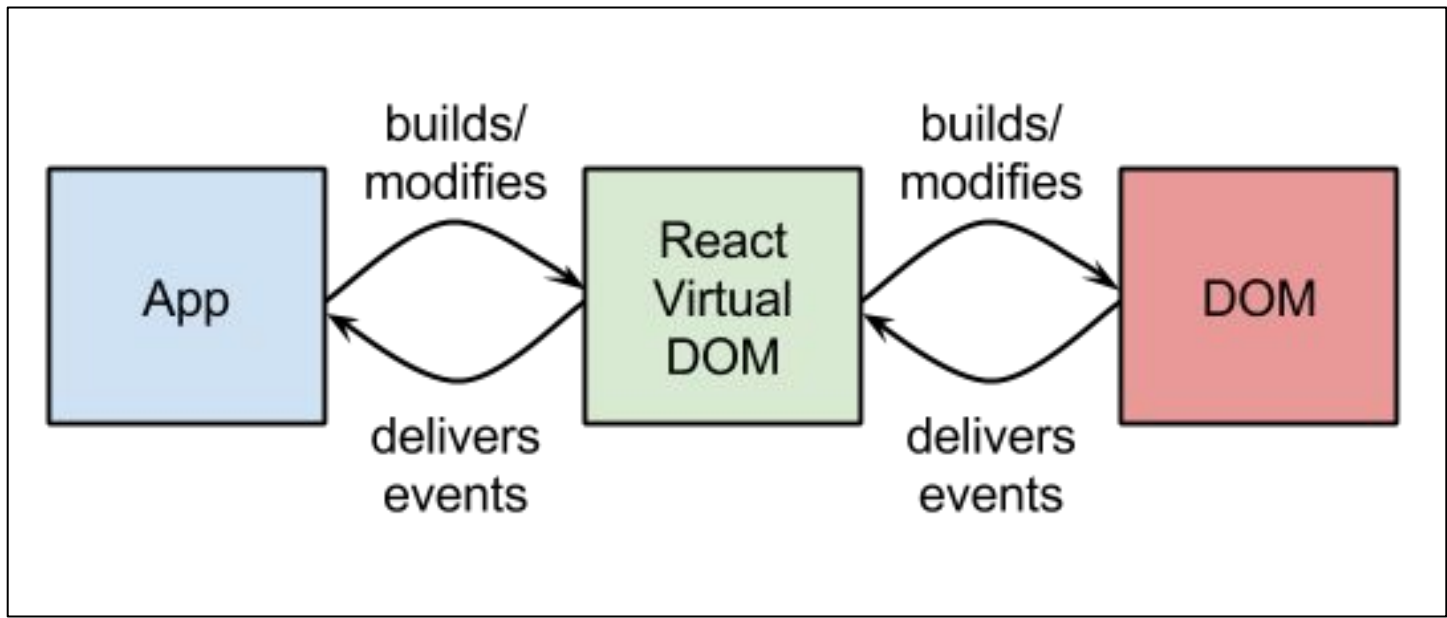
React Native Internals

React Native Architecture

🔑

The JavaScript Realm ⟷ The Bridge ⟷ The Native Realm

JavaScript
JSCore (VM)
Single Thread

ObjC+Swift / Java
Main UI Thread
Other BG Threads

APIs!

- Location API
- Network API
- UI API
  - View
  - Text
- CameraAPI
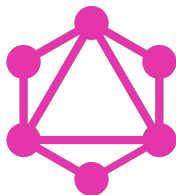- … + MANY MORE!!!

But React?

React Native? 🤔

Build native mobile apps using JavaScript and React!*

*Plus Java/Kotlin/Swift if needed

Adoption

Facebook
iOS · Android
Using React Native in the Facebook App

Facebook Ads Manager
iOS · Android
How We Built the First Cross-Platform React Native App

Instagram
iOS · Android
React Native at Instagram

F8
iOS · Android
Tutorial: Building the F8 conference app

Airbnb
iOS · Android
Hybrid React Native Apps at Airbnb

Skype
iOS · Android
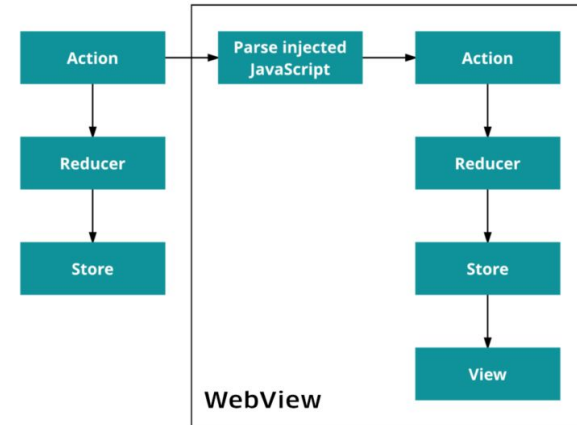
Tesla
iOS · Android

Walmart
iOS · Android
React Native at Walmart Labs

Adoption (cont'd)

UberEATS
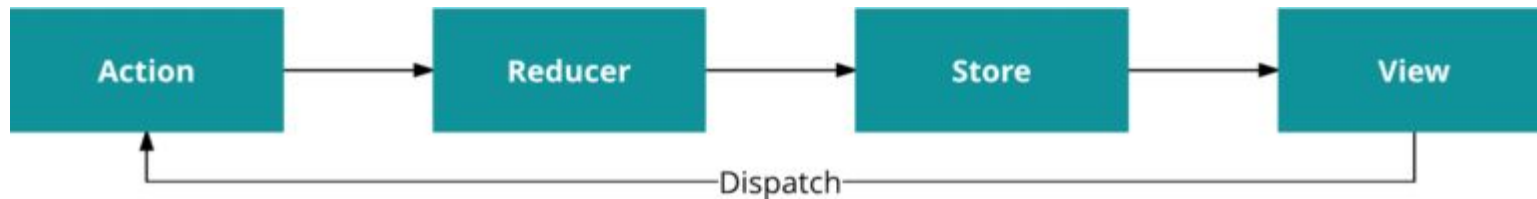Powering UberEATS with React Native and Uber Engineering

React Native

| Action | → | Parse injected JavaScript | → | Action |

| Reducer | | | | Reducer |

| Store | | | | Store |

| | | | | View |

WebView

Adoption (cont'd)

Demo! (BurritoMate)

Questions?