BUILDING

MAINTAINABLE & SCALABLE APPS WITH

ANGULAR + REDUX

USE THE RIGHT TOOL FOR THE JOB

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STOP
RUMORS

REDUX IS NOT PART OF REACT

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Highly adopted in the react community

Authored by a dev who works at facebook

Is framework agnostic

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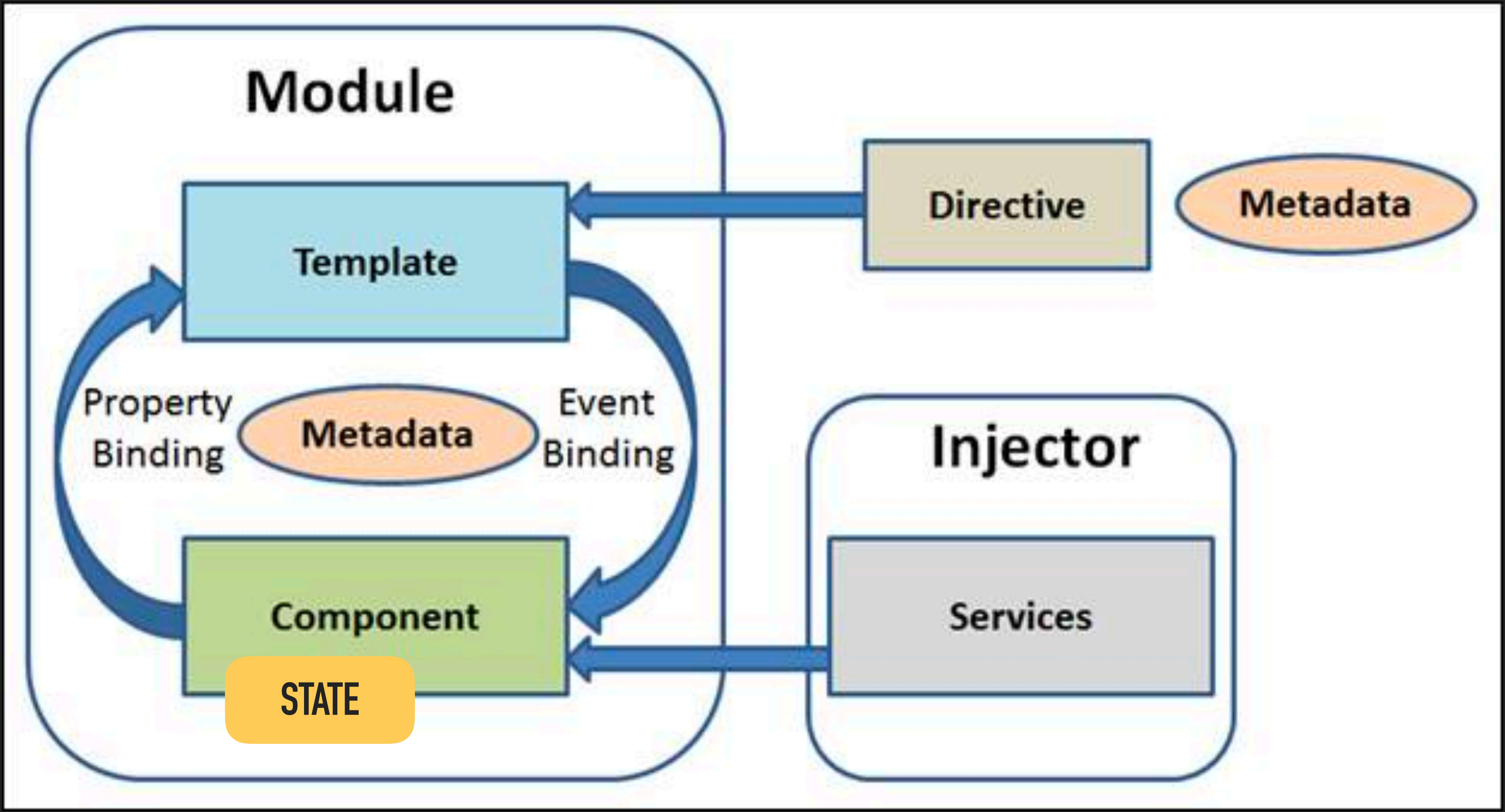
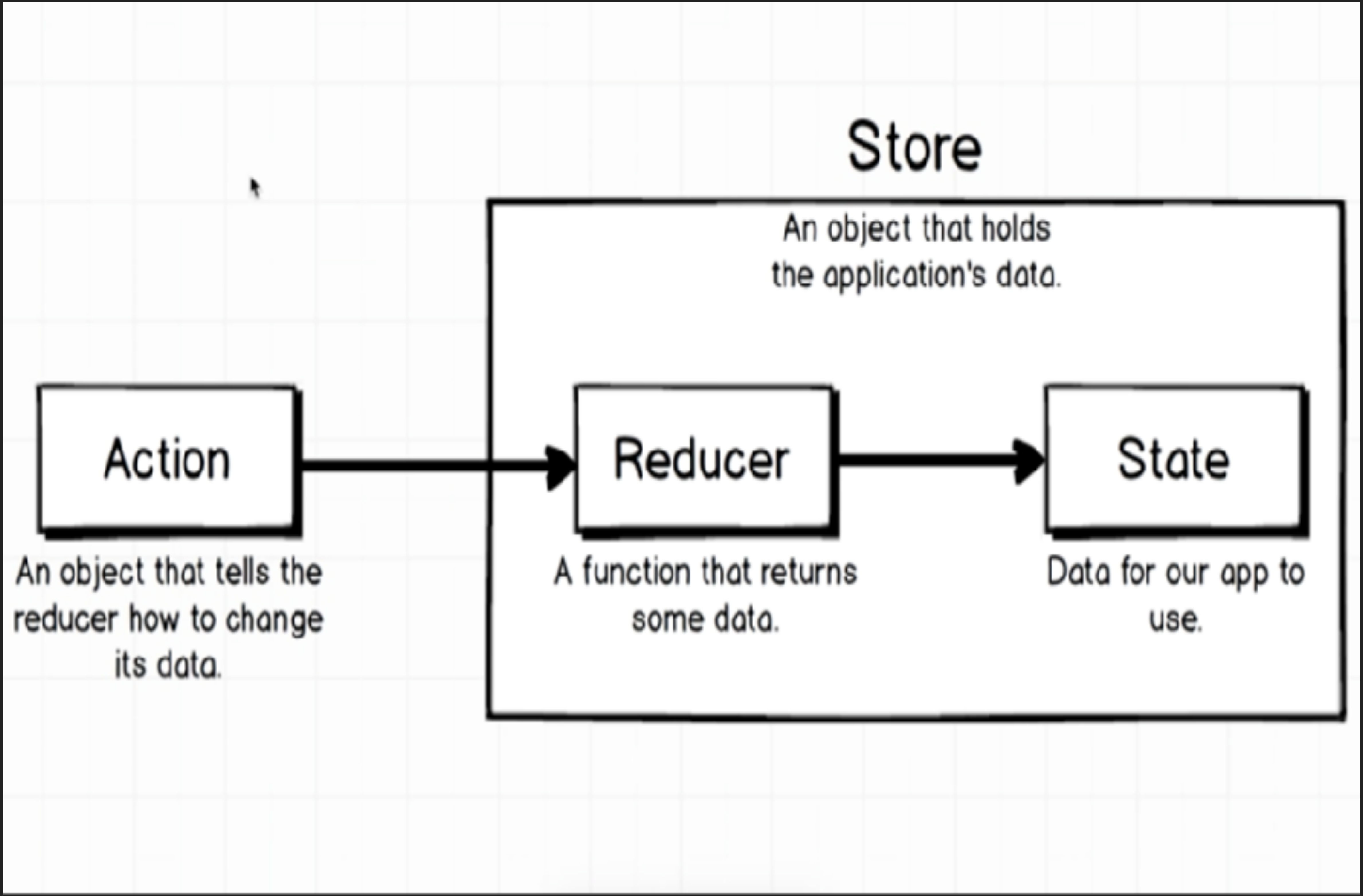
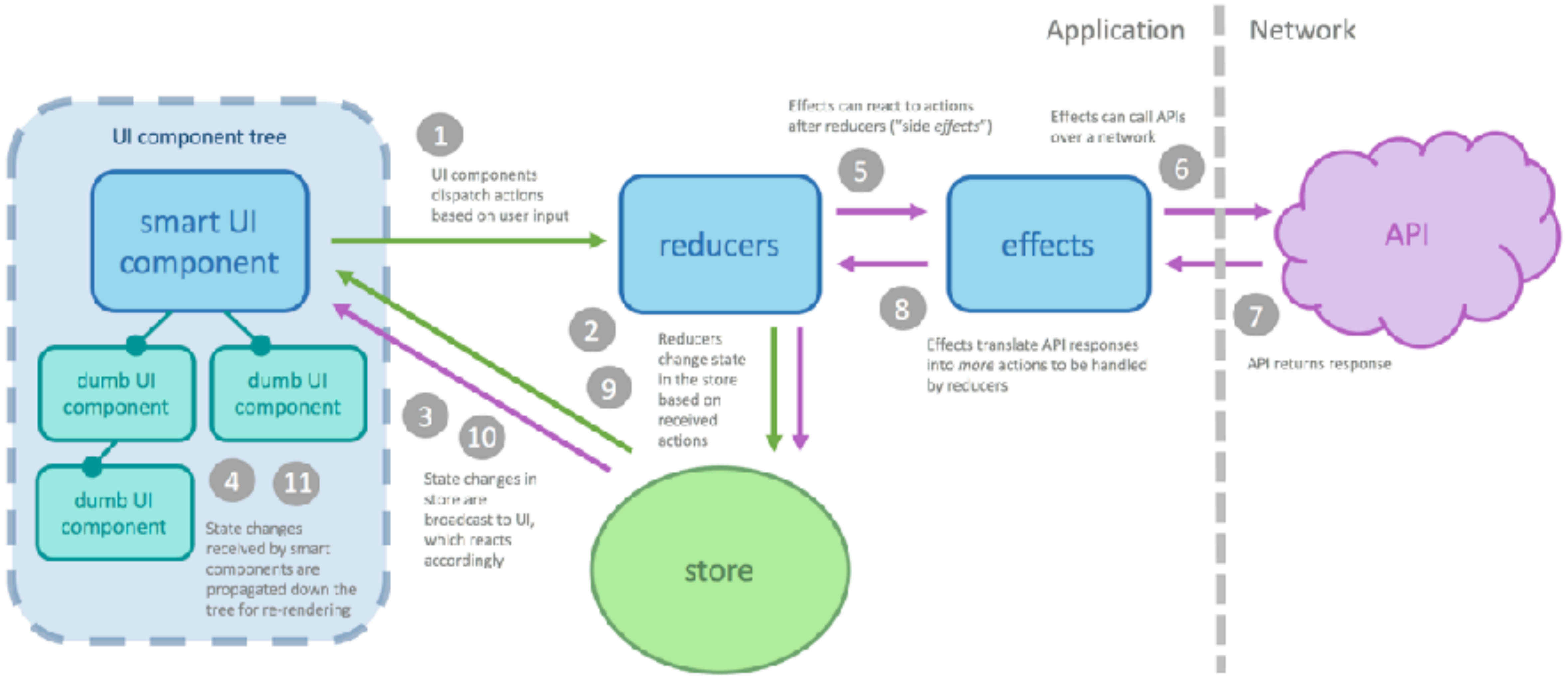
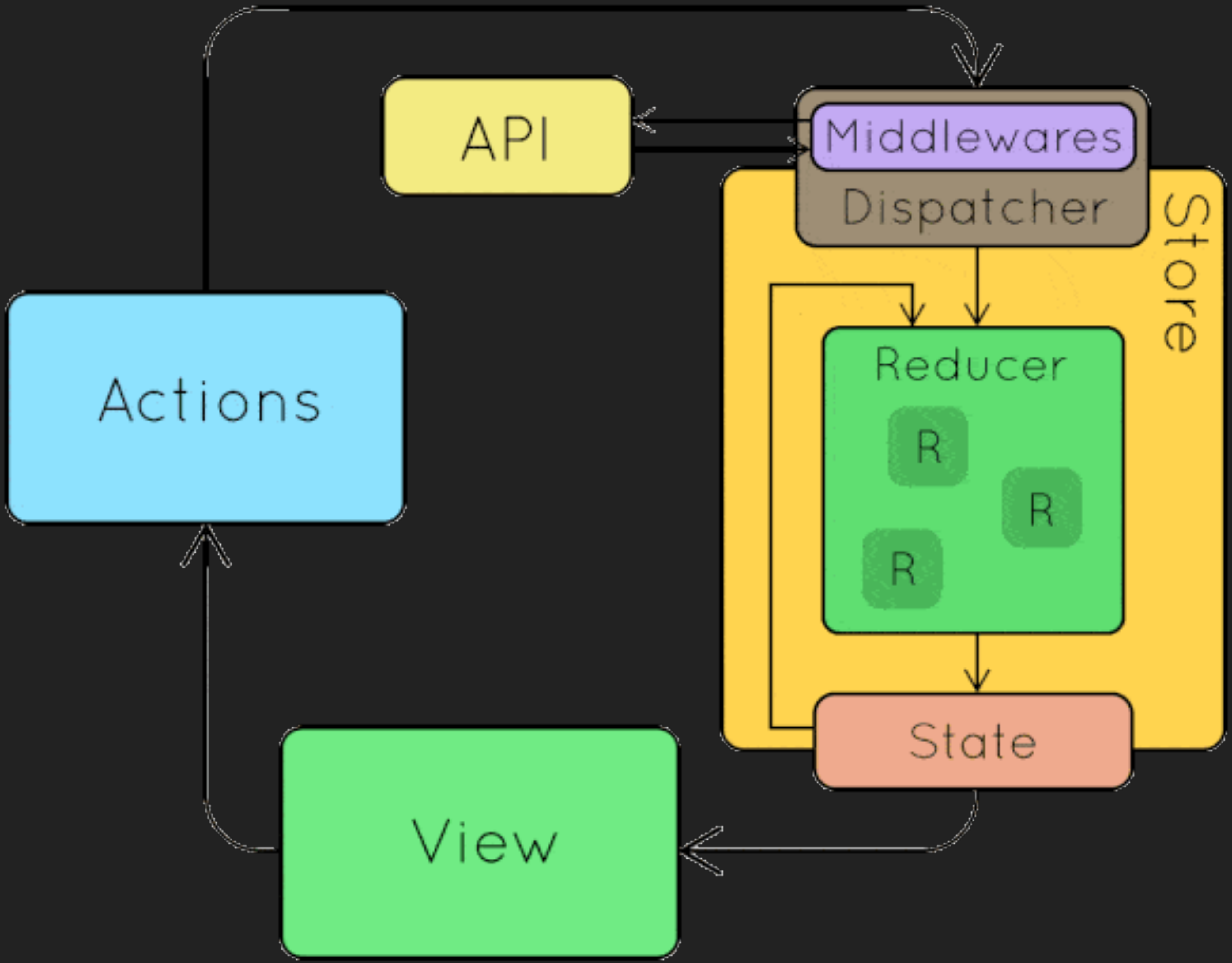
BASIC ANGULAR (V2+) ARCHITECTURE

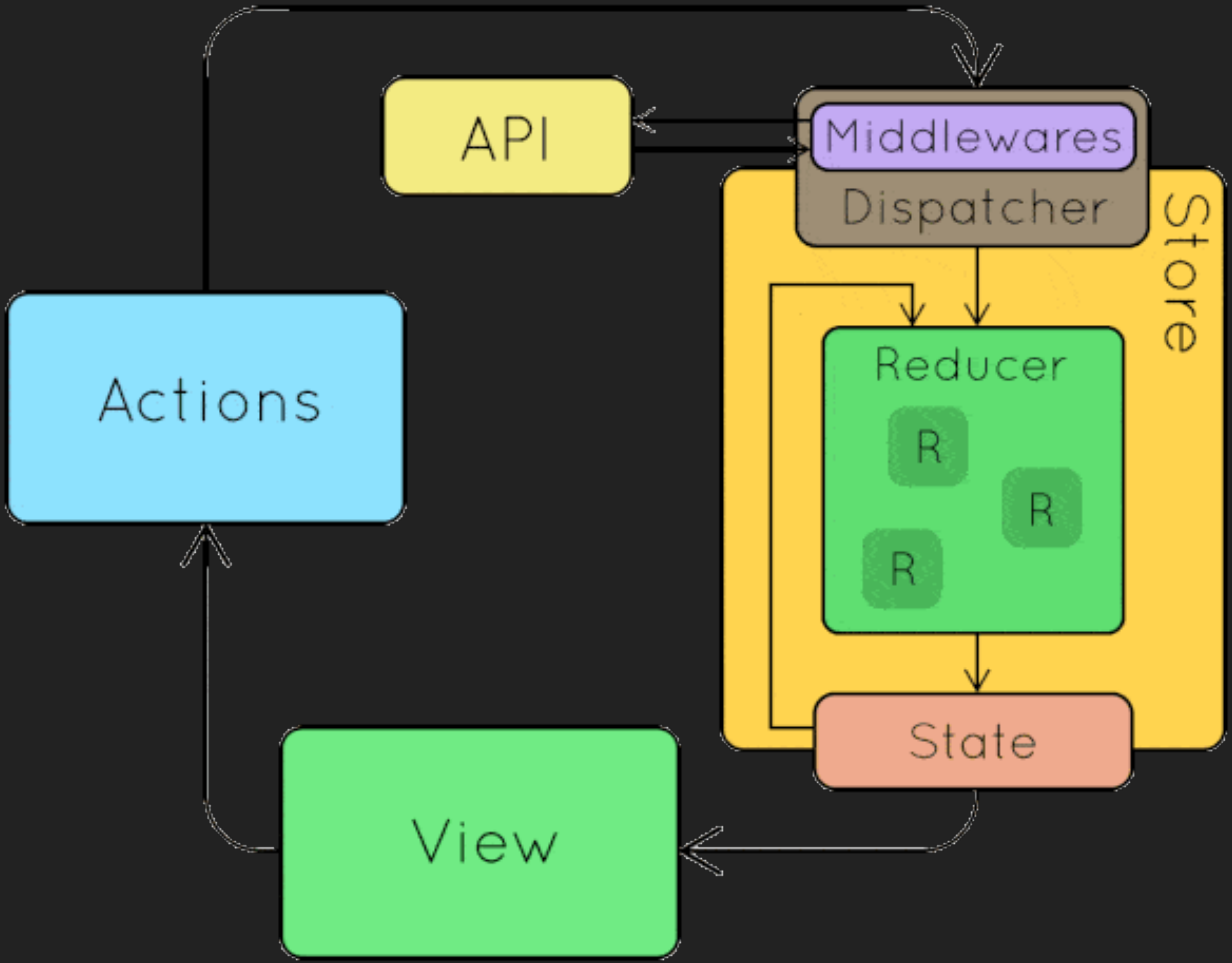



Store
An object that holds the application's data.
Action
An object that tells the reducer how to change its data.
Reducer
A function that returns some data.
State
Data for our app to use.

Architecture – Data Flow


Application
Network
UI component tree
smart UI component
dumb UI component
dumb UI component
dumb UI component
1
UI components dispatch actions based on user input
reducers
2
9
Reducers change state in the store based on received actions
3
10
State changes in store are broadcast to UI, which reacts accordingly
4
11
State changes received by smart components are propagated down the tree for re-rendering
store
5
Effects can react to actions after reducers ("side *effects*")
effects
8
Effects translate API responses into *more* actions to be handled by reducers
6
Effects can call APIs over a network
API
7
API returns response


API
Middlewares
Dispatcher
Store
Actions
Reducer
R
R
R
State
View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BENEFITS OF REDUX

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- More performant - Angular change detection OnPush setting

Additional resources:

https://github.com/apasternack/Presentations/tree/master/AngularRedux

THE END

STAY IN TOUCH

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