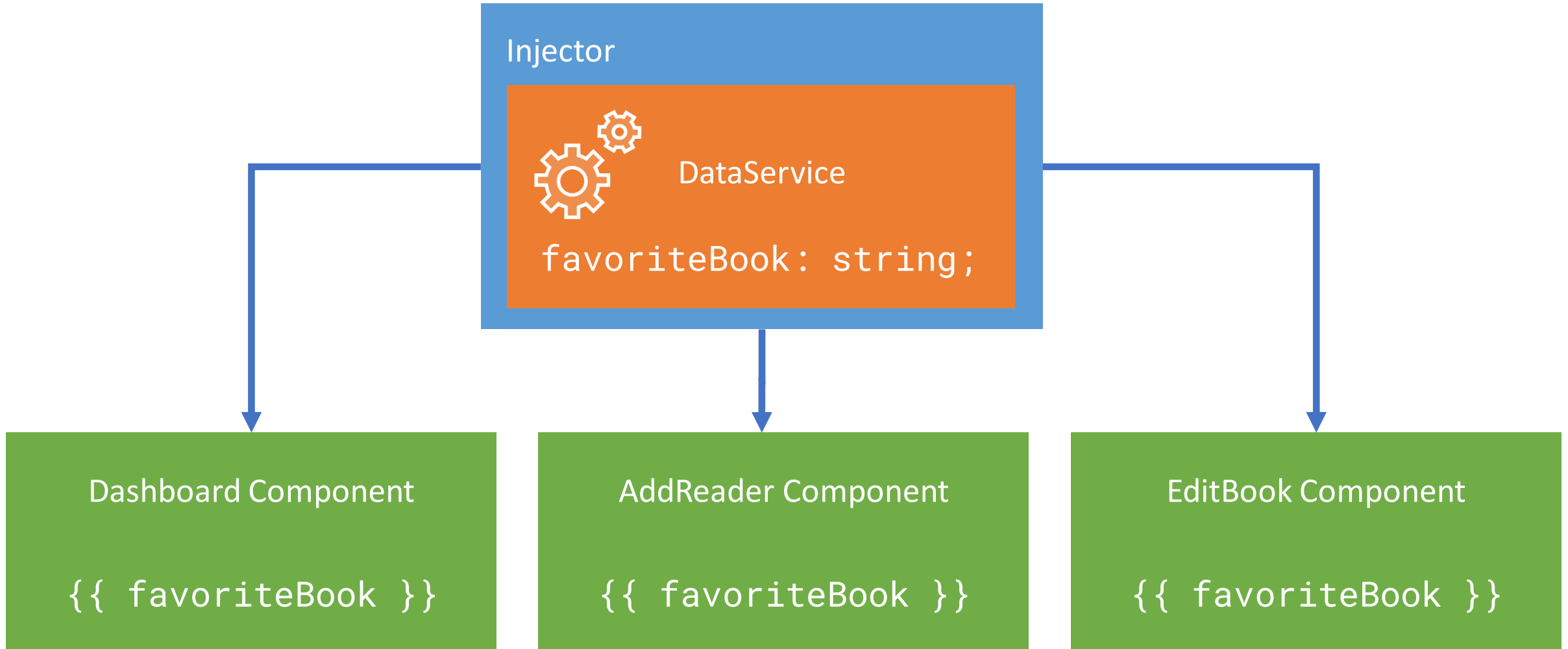


Angular Hands-on Workshop: Beyond the Basics

State Management

Sharing State with Services

Sharing State with Services

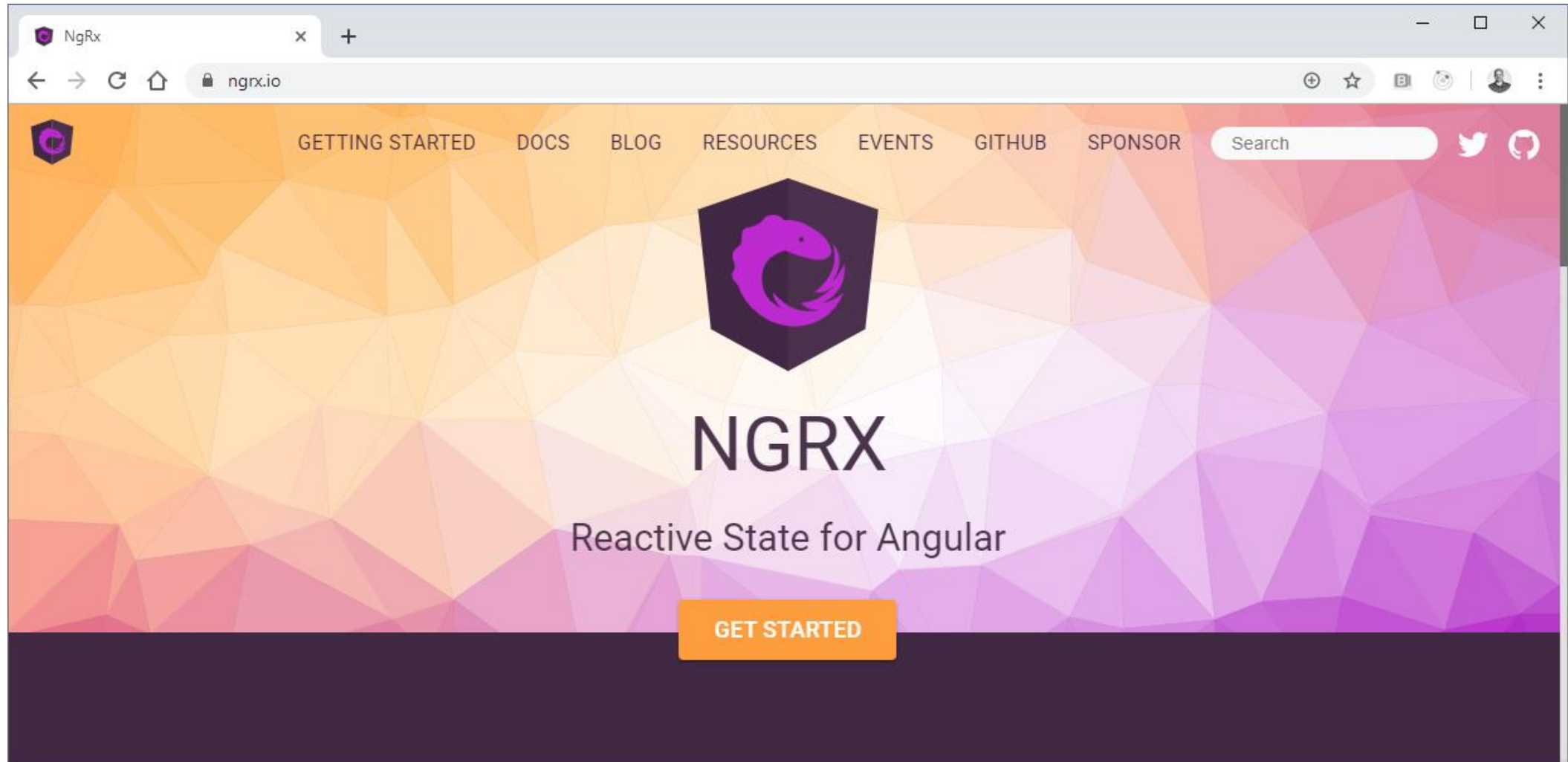


Managing State with NgRx

What is NgRx?

- Angular library that implements the Redux pattern
 - Single source of truth
 - State is read-only
 - Changes are made with pure functions
- Powered by RxJS
- Maintained independently of Angular

NgRx Website



NgRx Building Blocks

Store

Actions

Reducers

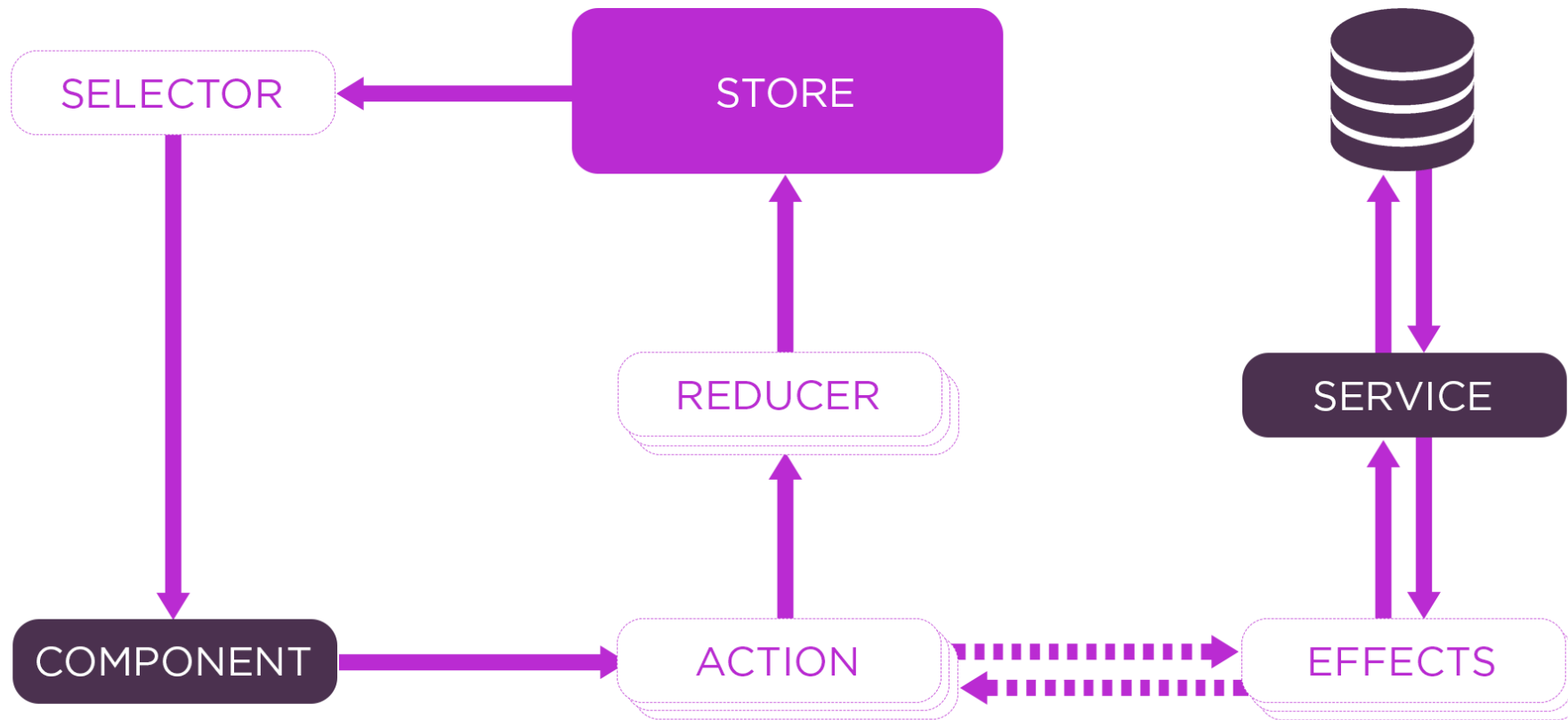
Selectors

Effects

Managing State with NgRx



NGRX STATE MANAGEMENT LIFECYCLE



Source: <https://ngrx.io/guide/store#diagram>

When should you use NgRx?

- Medium-large applications
- Apps that store lots of complex objects
- Apps with complex user interactions and multiple data sources
- Apps that become hard to maintain using services for shared state

Store

- Immutable JavaScript object
- In-memory only and will be re-initialized if the browser is refreshed
- Highest level properties often reserved for application “features”

Actions

- Sounds like a function, but is actually an object
- Simple interface with only a “type” property
- May include as many other properties as you need
- Created with the provided “createAction” function

Reducers

- Process actions to handle state transitions
- Pure functions
- Created with the “createReducer” function

Selectors

- Used to retrieve values from the store and subscribe to their changes
- Created with the “createSelector” function

Demo

Configuring NgRx

[Home](#) > [Extensions](#) > Redux DevTools



Redux DevTools

Offered by: remotedevo

★★★★★ 508 | [Developer Tools](#) | 👤 900,000+ users

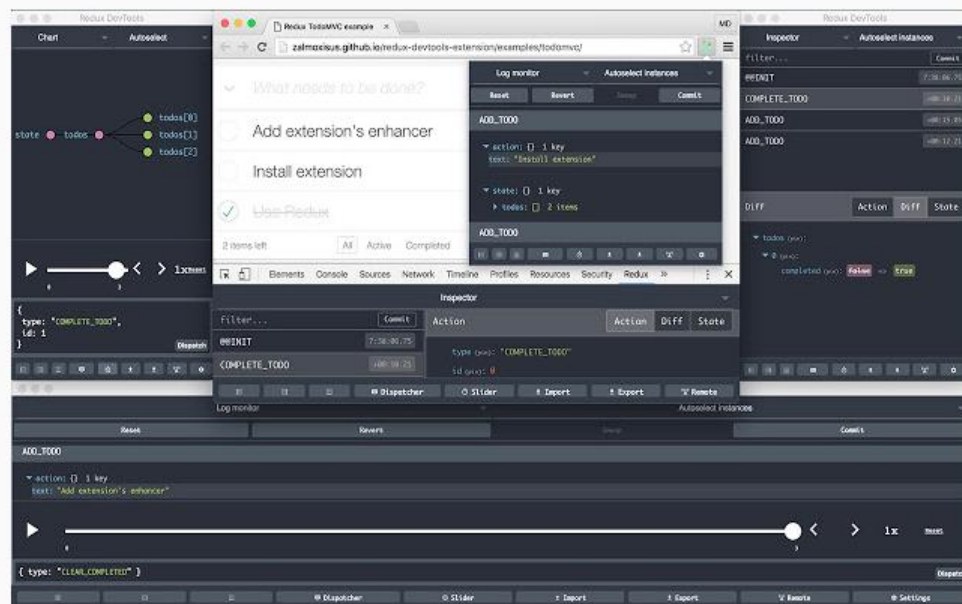
Remove from Chrome

Overview

Reviews

Support

Related



Demo

Configuring Redux DevTools

Lab

Configuring NgRx

State Management

Links to Additional
Information

- Official NgRx Website
 - <https://ngrx.io/>