Redux - @ngrx/*

2. @ngrx/* a redux implementation for angular

- @ngrx/* are a set of libraries that brings us redux state management for an angular application

- Those libraries help you arrange and manage the data that is shared between you angular components

- A component can subscribe for a certain data that interests him

- A component can change the data

@ngrx/* advantages

- When the data shared between components is robust it's best to manage that data with a library like ngrx

- Managing the data in a common well defined way means all the team will work in a similar way with the data

- Which means an entire community that use this library works in a similar way

- which means that community will solve common problems with data managment

  - optimistic loading, caching, debugging tools, sync data with server, etc.

- The library improve performance and is easy to integrate with OnPush strategy

- the data is managed in a predictable way and it's easy to understand the data changes

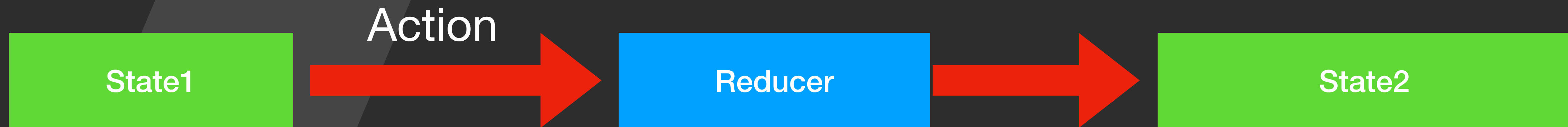- Easy to test, easy undo, easy to return the user to the same state

@ngrx/* disadvantages

- Has a bit of a learning curve
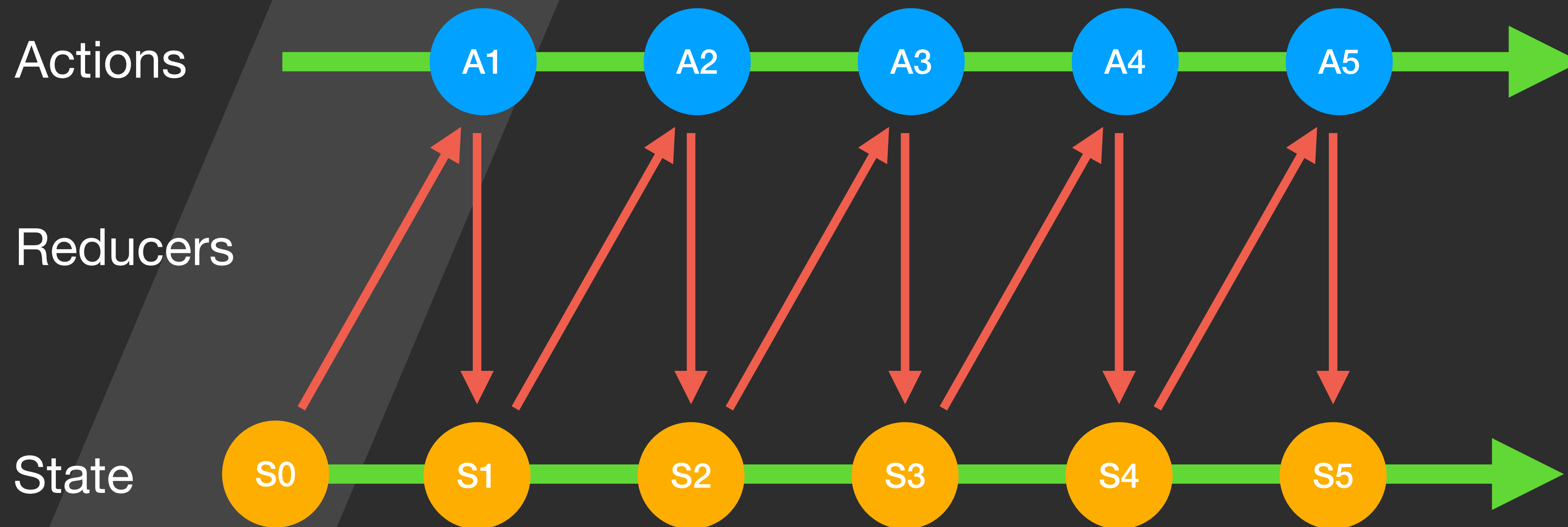
- Adding more files and code

Redux

- In the previous lesson we learned that redux manage our state

- An action can change the state

- And a reducer decides how our state will change

Action

| State1 | → | Reducer | → | State2 |

Redux as RXJS

- The same redux implementation can be done using RXJS and Observables

Redux as RXJS

- @ngrx/* looks at the state as an Observable

- @ngrx/* looks at the actions as an Observable

- So we can say the @ngrx/* is a redux implementation using rxjs

Thank You

Next Lesson: 3. @ngrx/store