NgRx stands for **Angular Reactive Extensions**.

In short, it is a state management system based on the **Redux** pattern.

This will help you to manage the application state in a bigger angular application.

What is NgRx?

NgRx is a framework for building reactive applications in Angular. NgRx provides libraries for:

* Managing global and local state.
* Isolation of side effects to promote a cleaner component architecture.
* Entity collection management.
* Integration with the Angular Router.
* Developer tooling that enhances developer experience when building many different types of applications.

Packages

NgRx packages are divided into a few main categories

State

* [Store](https://ngrx.io/guide/store) - RxJS powered global state management for Angular apps, inspired by Redux.
* [Effects](https://ngrx.io/guide/effects) - Side effect model for @ngrx/store.
* [Router Store](https://ngrx.io/guide/router-store) - Bindings to connect the Angular Router to @ngrx/store.
* [Entity](https://ngrx.io/guide/entity) - Entity State adapter for managing record collections.
* [ComponentStore](https://ngrx.io/guide/component-store) - Standalone library for managing local/component state.
* [Signals](https://ngrx.io/guide/signals) - Reactive store and set of utilities for Angular Signals.
* [Operators](https://ngrx.io/guide/operators) - Shared RxJS operators for NgRx libraries.

Data

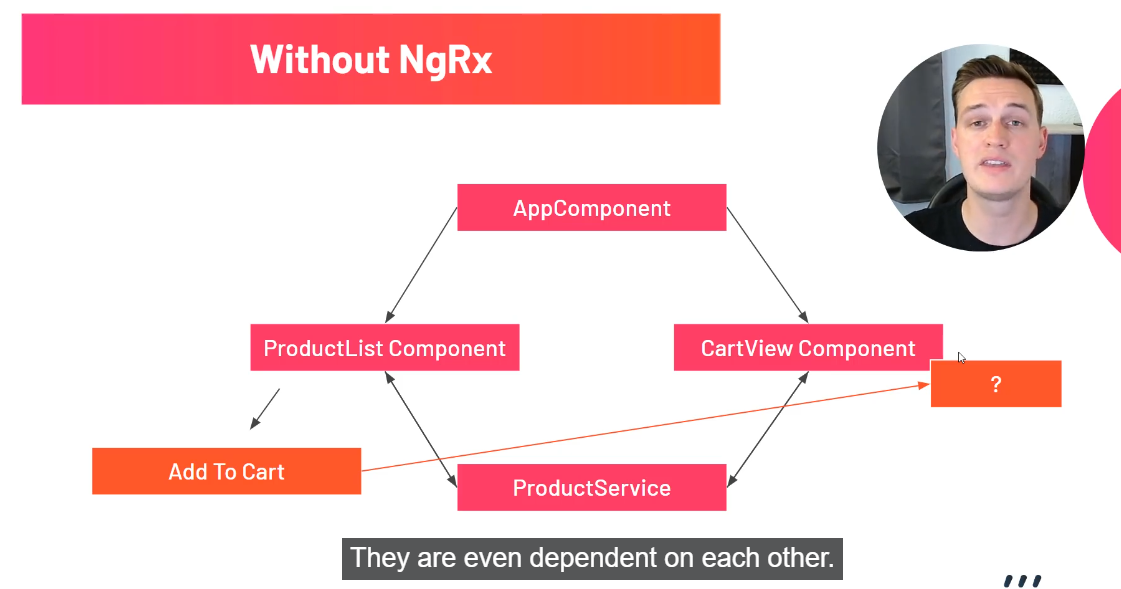
* [Data](https://ngrx.io/guide/data) - Extension for simplified entity data management.

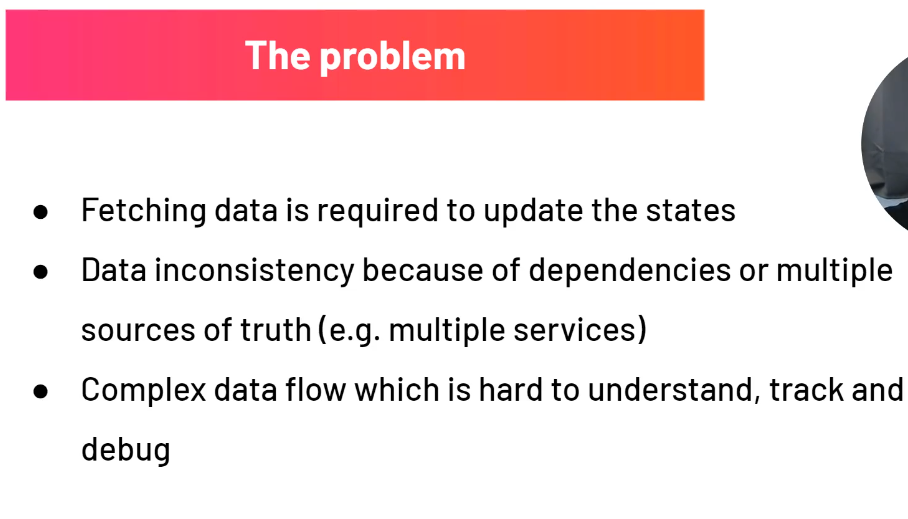
View

* [Component](https://ngrx.io/guide/component) - Extension for building reactive Angular templates.

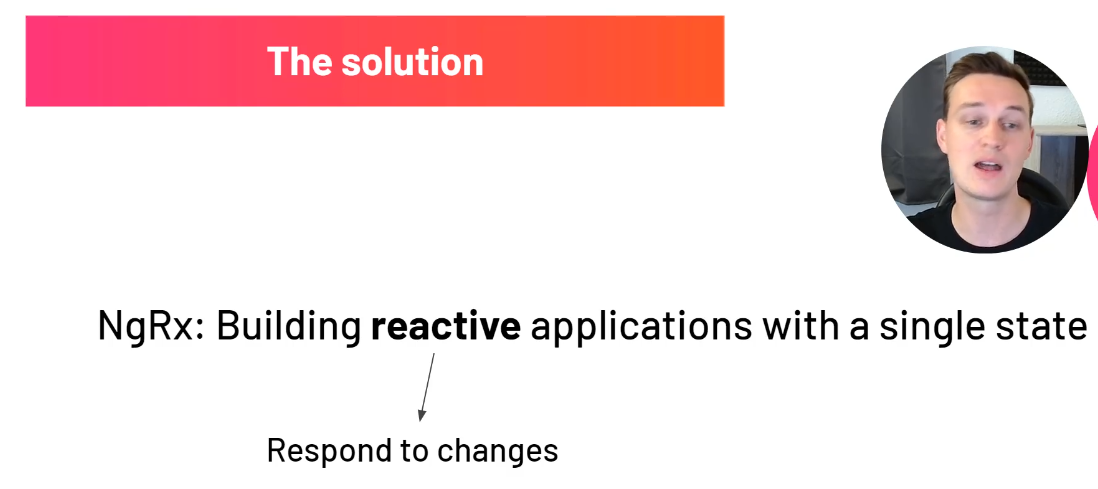
Developer Tools

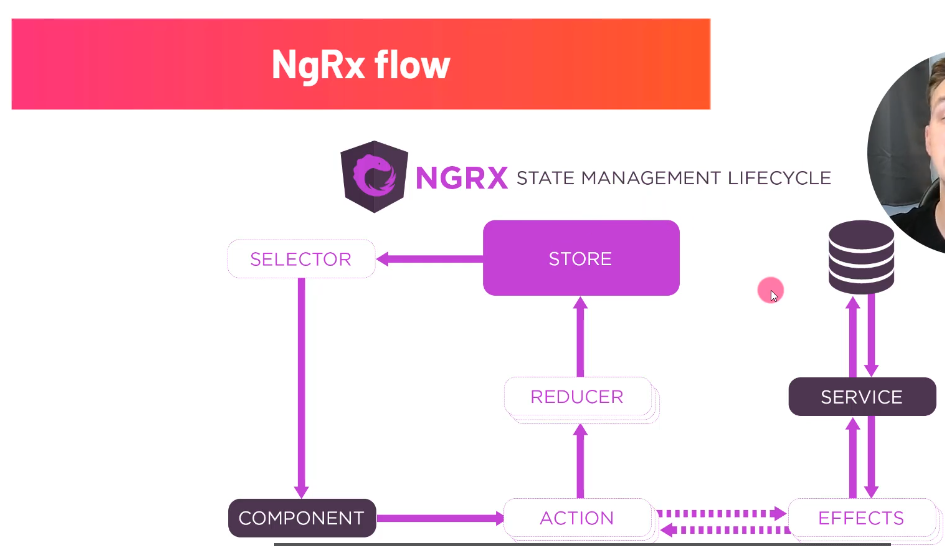
* [Store Devtools](https://ngrx.io/guide/store-devtools) - Instrumentation for @ngrx/store that enables visual tracking of state and time-travel debugging.
* [Schematics](https://ngrx.io/guide/schematics) - Scaffolding library for Angular applications using NgRx libraries.
* [ESLint Plugin](https://ngrx.io/guide/eslint-plugin) - ESLint rules to warn against bad practices. It also contains a few automatic fixes to enforce a consistent style, and to promote best practice.











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