### Redux

As applications grow in size and scope, managing shared data becomes much more difficult. Redux is defined as a "predictable state container for JavaScript apps" that helps ensure your apps work predictably, and are easier to test.

While you can use Redux with any view library, we introduce Redux here before combining it with React in the next set of courses.

In this course, you'll learn the fundamentals of Redux stores, actions, reducers and middleware to manage data throughout your application.

Collapse course

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1. [Create a Redux Store](https://www.freecodecamp.org/learn/front-end-development-libraries/redux/create-a-redux-store)
2. [Get State from the Redux Store](https://www.freecodecamp.org/learn/front-end-development-libraries/redux/get-state-from-the-redux-store)
3. [Define a Redux Action](https://www.freecodecamp.org/learn/front-end-development-libraries/redux/define-a-redux-action)
4. [Define an Action Creator](https://www.freecodecamp.org/learn/front-end-development-libraries/redux/define-an-action-creator)
5. [Dispatch an Action Event](https://www.freecodecamp.org/learn/front-end-development-libraries/redux/dispatch-an-action-event)
6. [Handle an Action in the Store](https://www.freecodecamp.org/learn/front-end-development-libraries/redux/handle-an-action-in-the-store)
7. [Use a Switch Statement to Handle Multiple Actions](https://www.freecodecamp.org/learn/front-end-development-libraries/redux/use-a-switch-statement-to-handle-multiple-actions)
8. [Use const for Action Types](https://www.freecodecamp.org/learn/front-end-development-libraries/redux/use-const-for-action-types)
9. [Register a Store Listener](https://www.freecodecamp.org/learn/front-end-development-libraries/redux/register-a-store-listener)
10. [Combine Multiple Reducers](https://www.freecodecamp.org/learn/front-end-development-libraries/redux/combine-multiple-reducers)
11. [Send Action Data to the Store](https://www.freecodecamp.org/learn/front-end-development-libraries/redux/send-action-data-to-the-store)
12. [Use Middleware to Handle Asynchronous Actions](https://www.freecodecamp.org/learn/front-end-development-libraries/redux/use-middleware-to-handle-asynchronous-actions)
13. [Write a Counter with Redux](https://www.freecodecamp.org/learn/front-end-development-libraries/redux/write-a-counter-with-redux)
14. [Never Mutate State](https://www.freecodecamp.org/learn/front-end-development-libraries/redux/never-mutate-state)
15. [Use the Spread Operator on Arrays](https://www.freecodecamp.org/learn/front-end-development-libraries/redux/use-the-spread-operator-on-arrays)
16. [Remove an Item from an Array](https://www.freecodecamp.org/learn/front-end-development-libraries/redux/remove-an-item-from-an-array)
17. [Copy an Object with Object.assign](https://www.freecodecamp.org/learn/front-end-development-libraries/redux/copy-an-object-with-object-assign)

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