

# Chapter 1: Introduction to State Management

```
[  
  { name: 'product 1', /* ... */ },  
  { name: 'product 2', /* ... */ },  
  { name: 'product 3', /* ... */ },  
  { name: 'product 4', /* ... */ },  
  { name: 'product 5', /* ... */ },  
  { name: 'product 6', /* ... */ },  
  /* ... */  
]
```

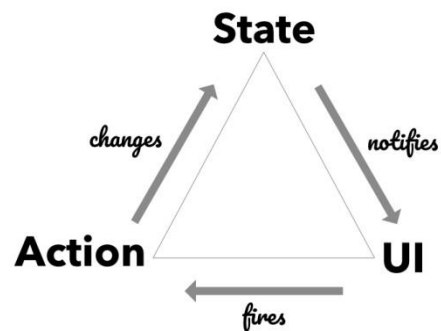
**JSON Array**

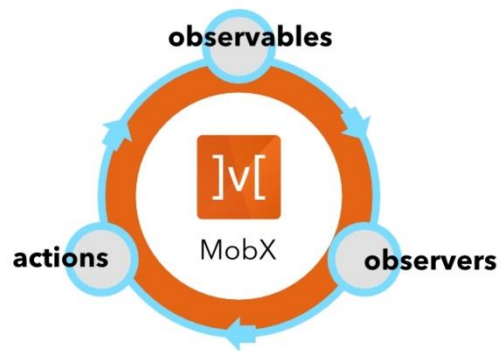
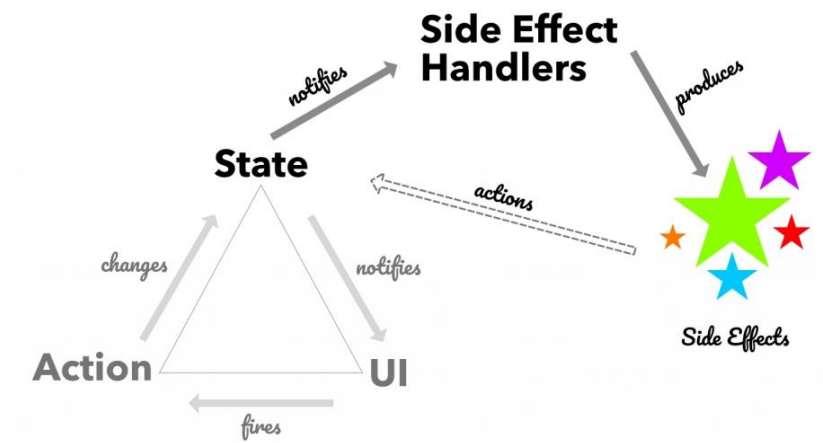


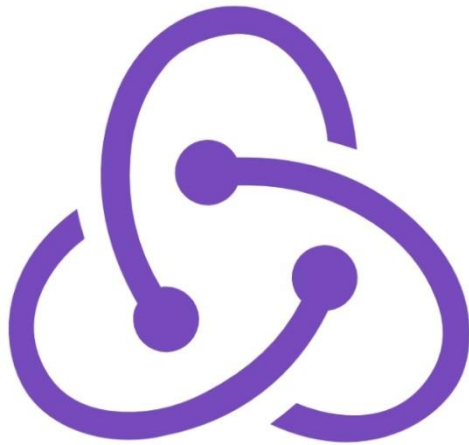
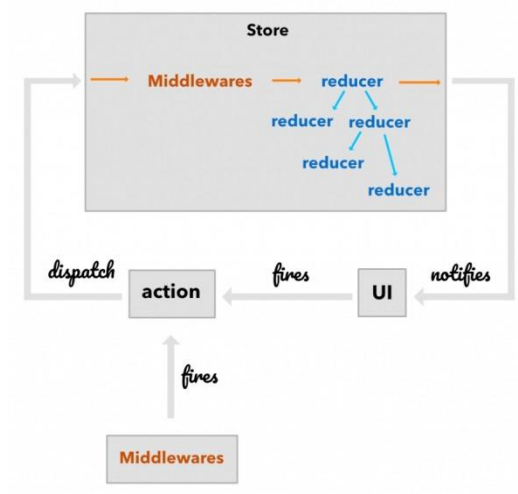
**List + ListItem**

$$UI = fn(State)$$

$$VirtualDOM = fn(props, state)$$

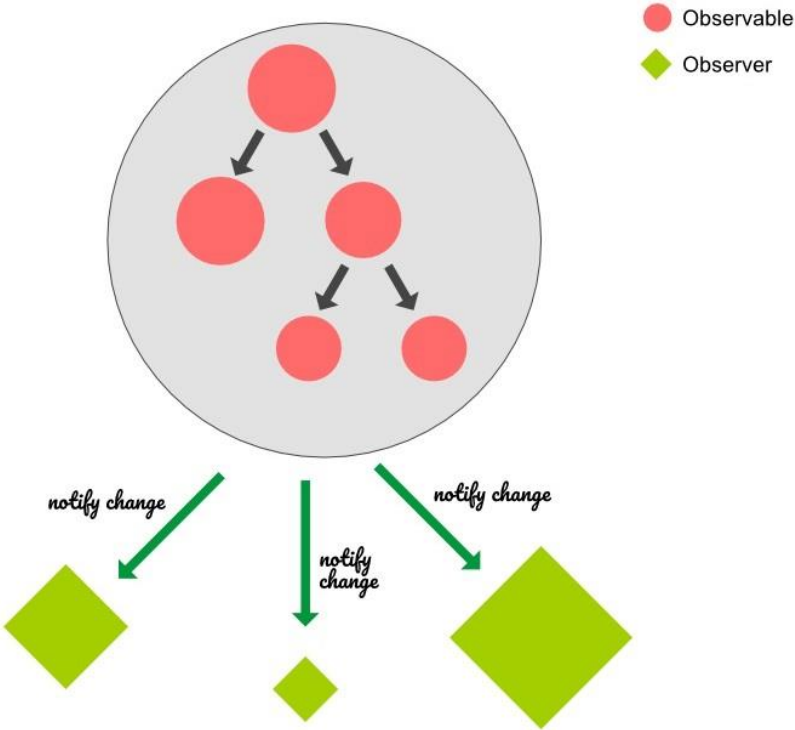


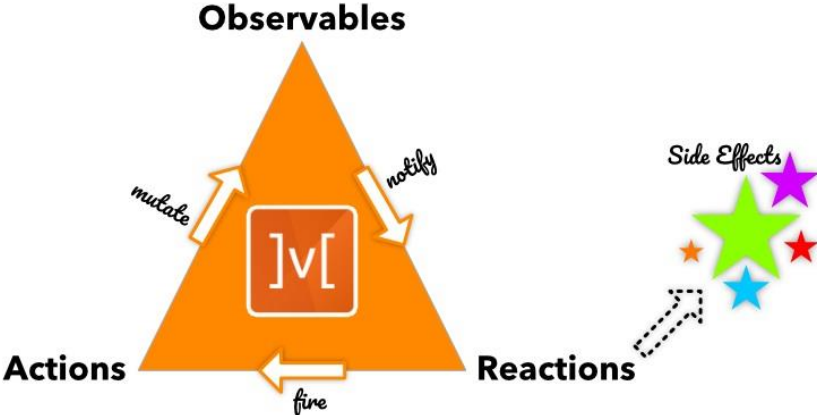
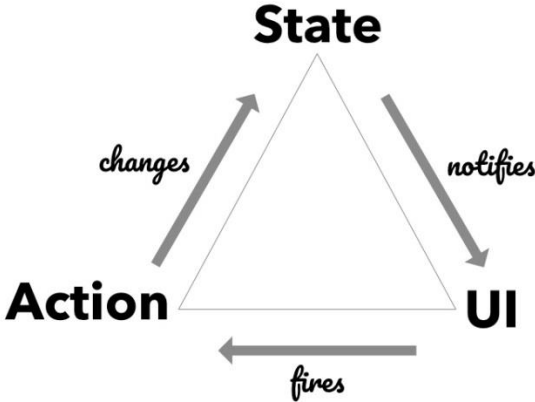




# Chapter 2: Observables, Actions, and Reactions

$$UI = fn(State)$$





# Chapter 3: A React App with MobX

## MobX QuickStart Book Store

Q javascript

Showing 20 of 2109 results.



**JavaScript: The Good Parts**  
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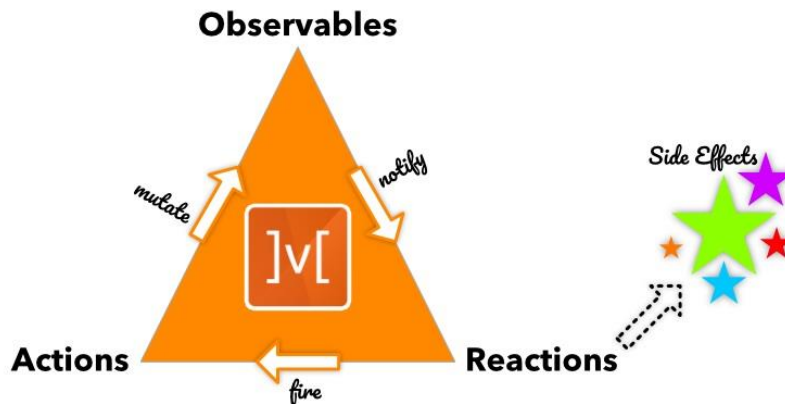


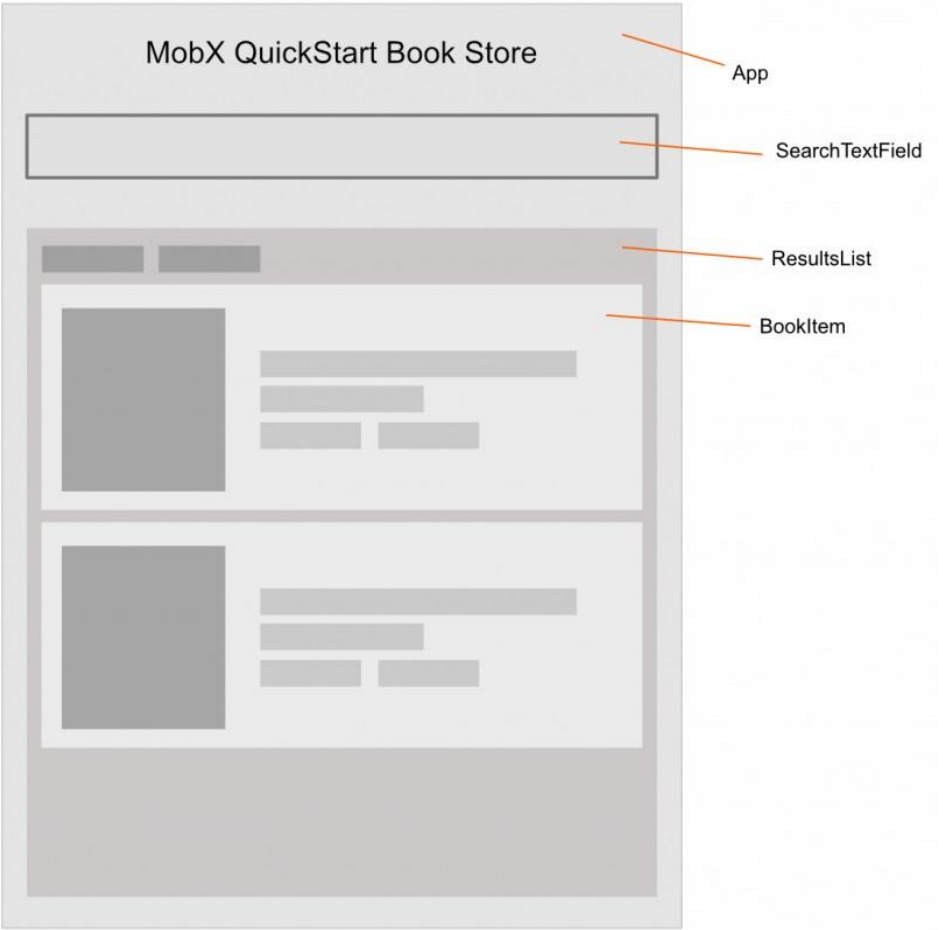
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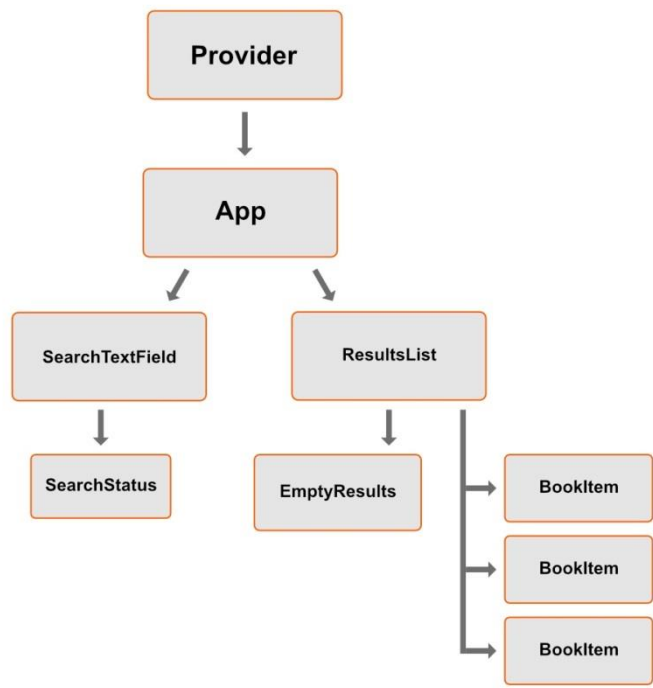
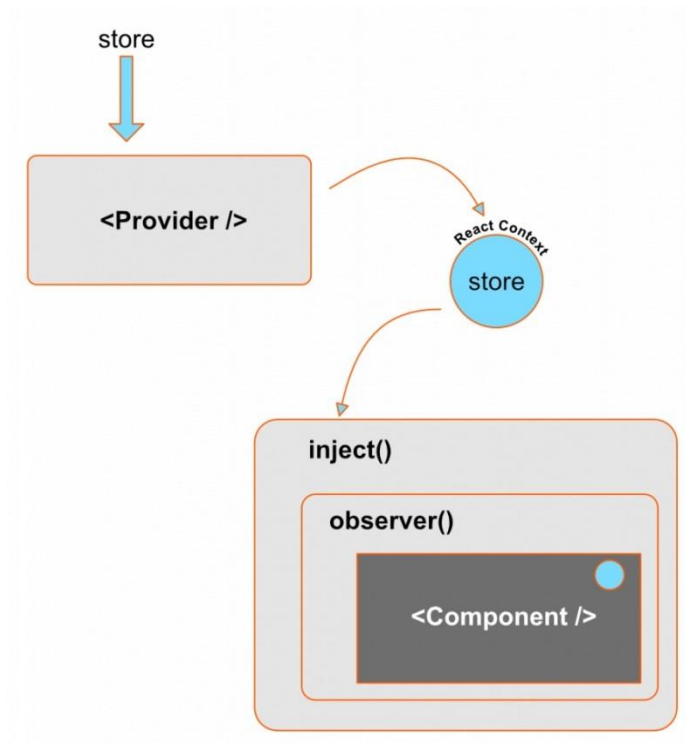
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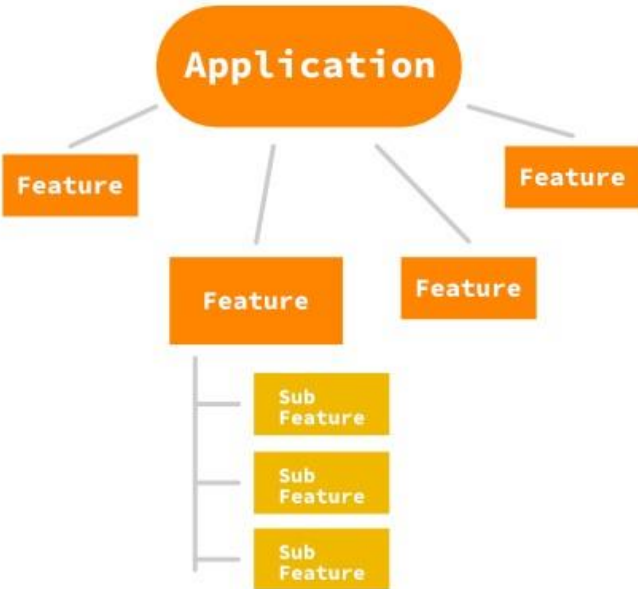
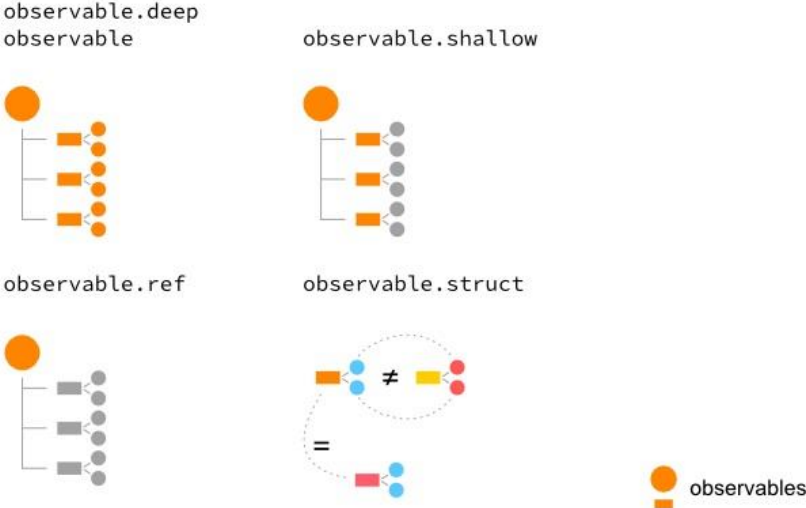






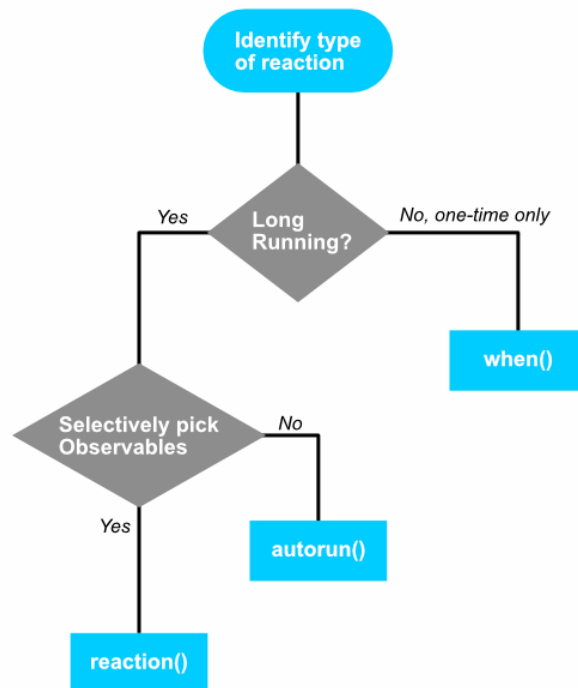
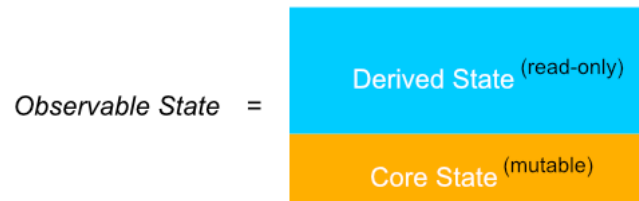


# Chapter 4: Crafting the Observable Tree

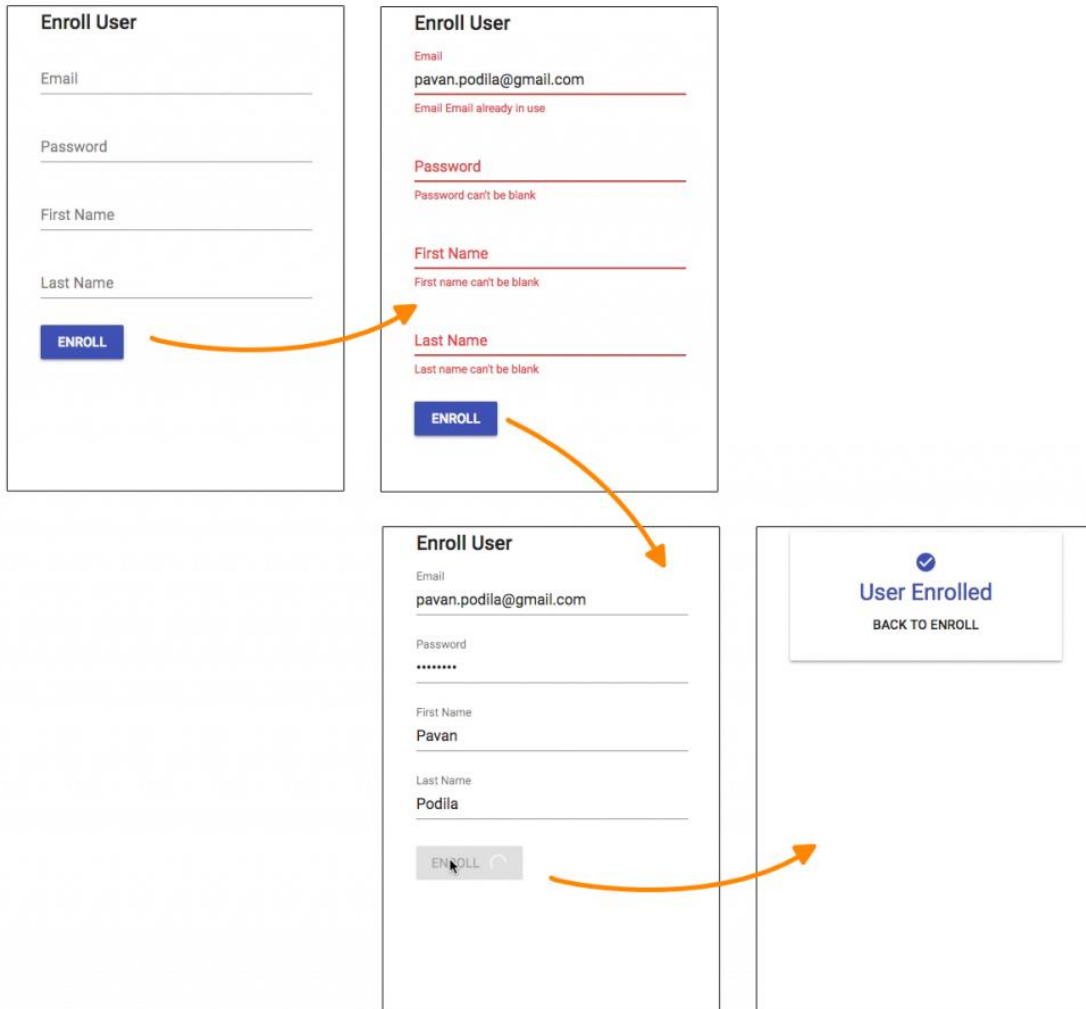


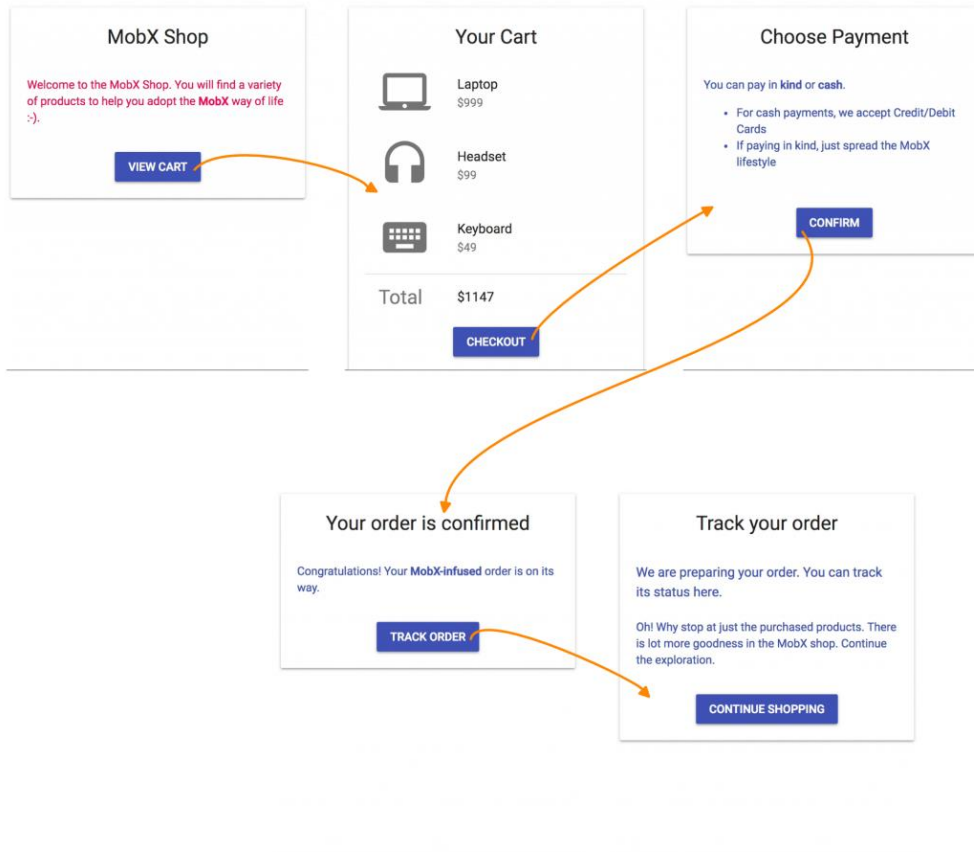
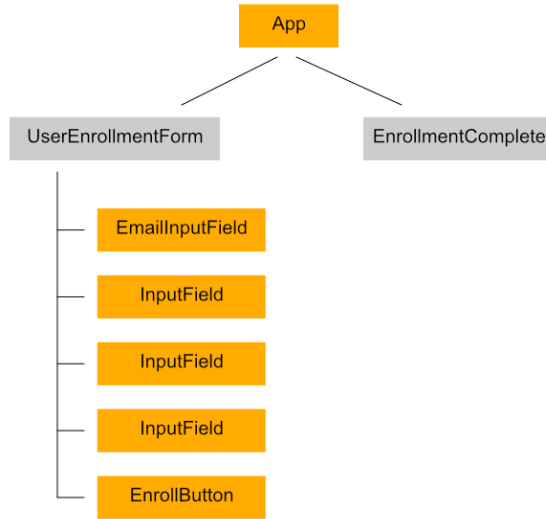
$$ObservableState = CoreState + DerivedState$$

# Chapter 5: Derivations, Actions, and Reactions



# Chapter 6: Handling Real-World Use Cases

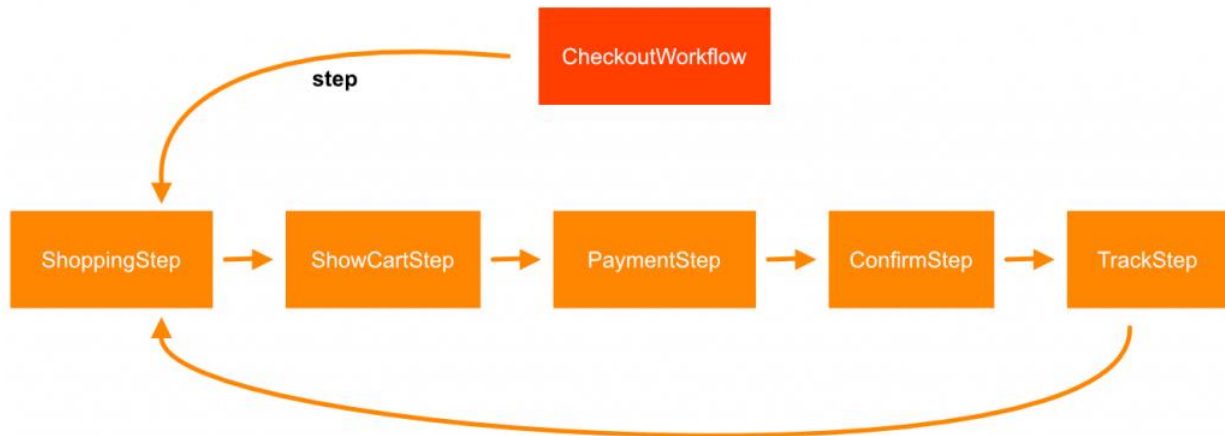
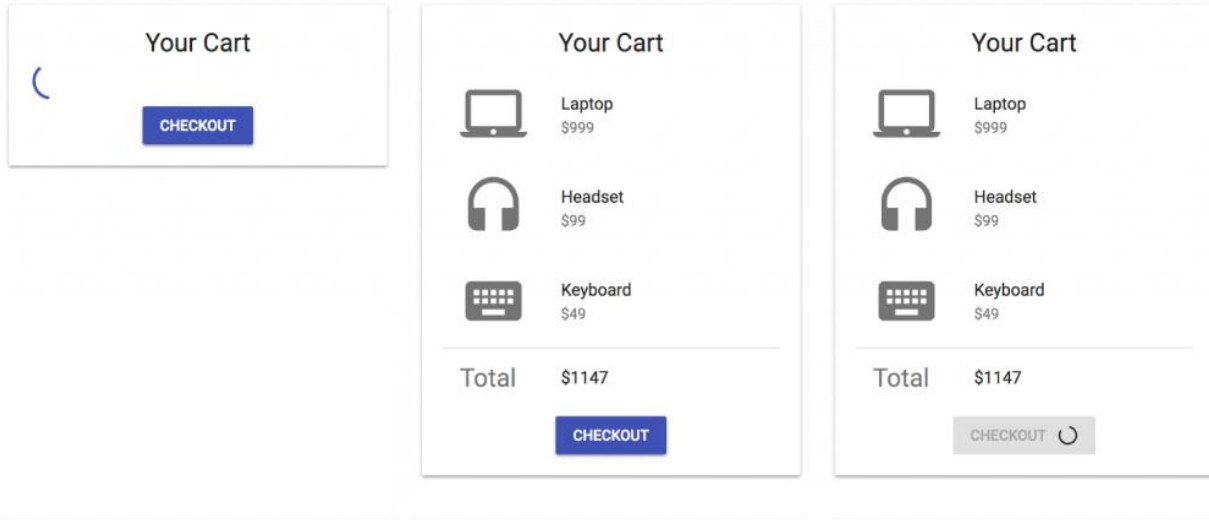


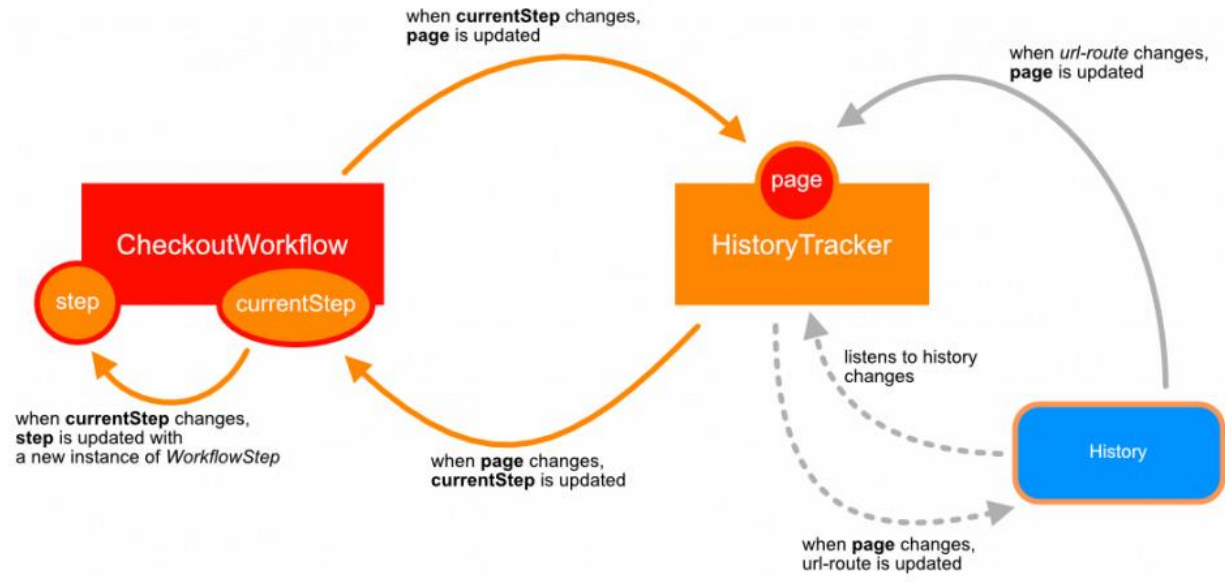
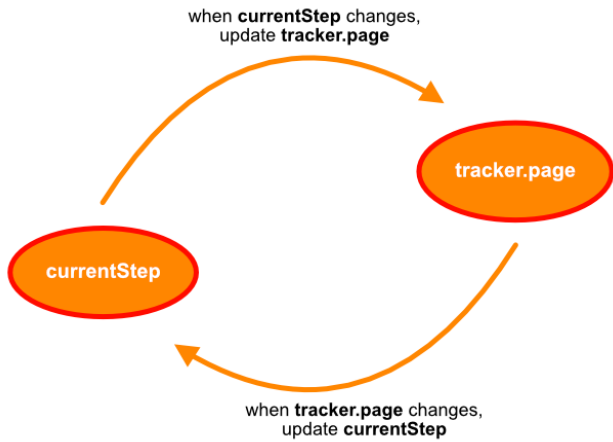


Loading the step

Step loaded

Going to next Step





# Chapter 7: Special API for Special Cases

Chapter 02: A React App with MobX  
Example: Book Search with Goodreads

MobX QuickStart Book Store

Q javascript

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JavaScript: The Good Parts  
Douglas Crockford  
4.23★ from 6969 ratings.

JavaScript: Patterns  
Stoyan Stefanov

```

1 (function anonymous()
2 {
3   debugger;
4   Tracing 'SearchTextField@1772.render()'
5   You are entering this break point because derivation 'SearchTextField@1772.render()' is being traced and 'BookSearchStore@1.terms' is now forcing it to update.
6   Just follow the stacktrace you should now see in the devtools to see precisely what piece of your code is causing this update.
7   The stackframe you are looking for is at least 4-6 stack-frames up.
8
9   The dependencies for this derivation are:
10
11
12
13
14 SearchTextField@1772.render()
15   reactive props
16   BookSearchStore@1.terms
17
18 })
19
20

```

Dependency Tree of observables for this reaction

What caused the change

Stackframe at which the dependent observable was mutated

Debugger paused

Call Stack

- VM523:3 logTraceInfo mobx.module.js:1488
- (anonymous) mobx.module.js:1442
- propagateChanged\$1 mobx.module.js:1439
- ./node\_modules/mobx/lib/mobx... mobx.module.js:222
- ./node\_modules/mobx/lib/mobx... mobx.module.js:676
- ./node\_modules/mobx/lib/mobx... mobx.module.js:3455
- set mobx.module.js:3658
- setTerm book-store.js:37
- executeAction\$1 mobx.module.js:558
- res mobx.module.js:550
- App\_this.updateSearchText index.js:35
- Input\_this.handleChange input.js:327
- callCallback react-dom.development.js:100
- invokeGuardedCallbackDev react-dom.development.js:138
- invokeGuardedCallback react-dom.development.js:187
- invokeGuardedCallbackAndCatch... react-dom.development.js:201
- executeDispatch react-dom.development.js:461
- executeDispatchesInOrder react-dom.development.js:483
- executeDispatchesAndRelease react-dom.development.js:581
- executeDispatchesAndReleaseTo... react-dom.development.js:592
- forEachAccumulated react-dom.development.js:560
- runEventInBatch react-dom.development.js:723

Shows the dependency tree for the observer-component connected to the selected DOM element

flashes a green / orange / red rectangle around an observer-component upon render()

Prints a console log for every action, reaction

MobX QuickStart Guide

Chapter 02  
Observables, Actions and Reactions

Boxed Observables

Computed Properties

Create Observable

Observable Map

Observable Array

Enforcing Actions

Action Decorators

Basic Action

Autorun

Reaction

When

When with Promise

Chapter 03: A React App with MobX  
Example: Book Search with Goodreads

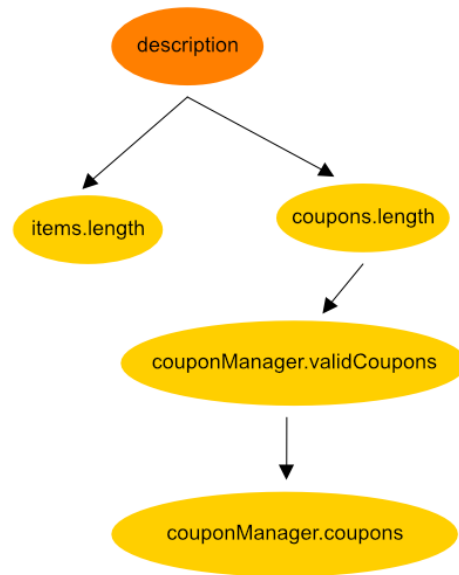
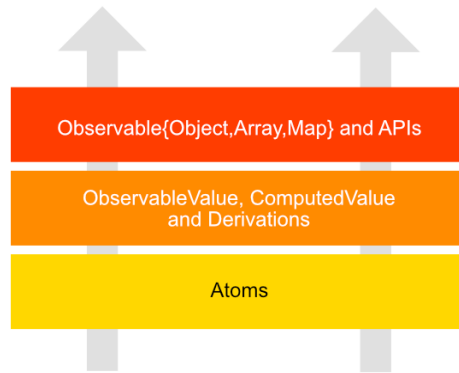
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# Chapter 8: Mobx Internals





o observable  
c computed

