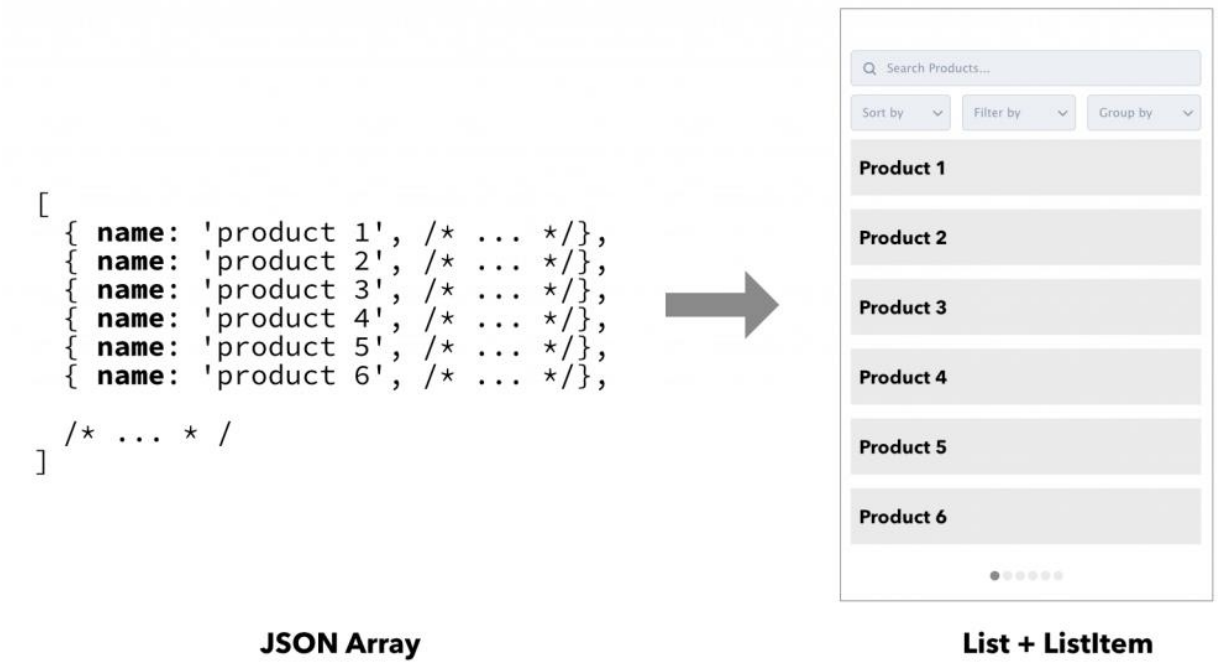
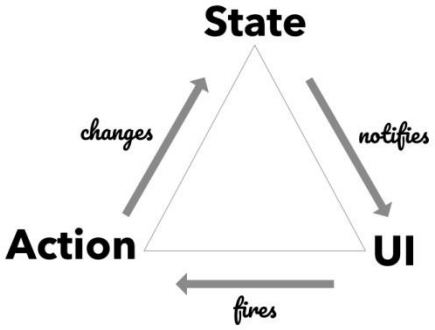
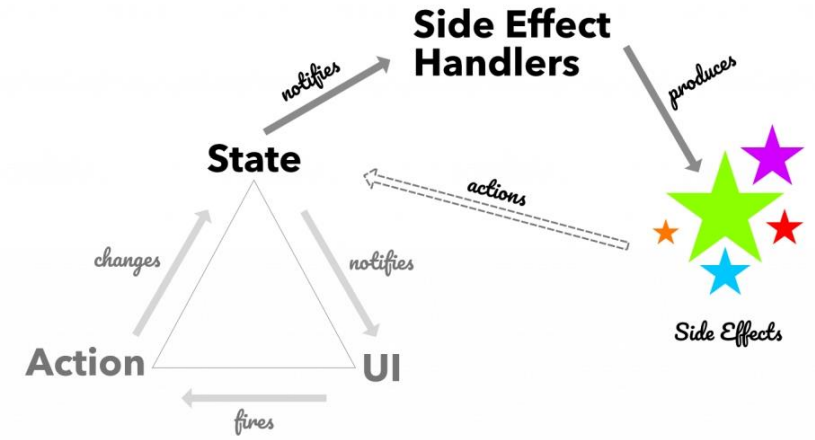
Chapter 1: Introduction to State Management

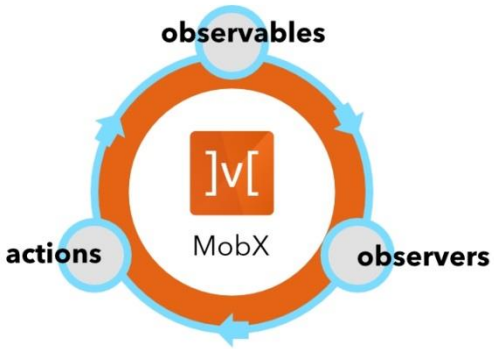


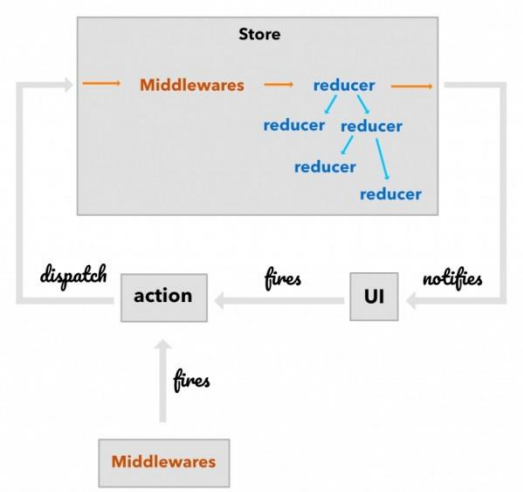
$$UI = fn(State)$$

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



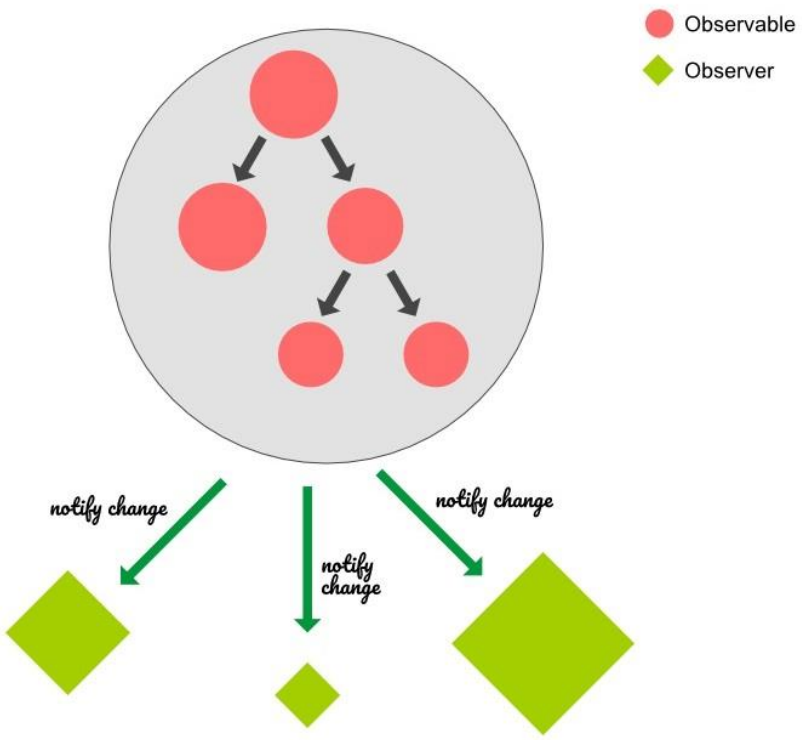

Side Effect Handlers
notifies
produces
State
actions
changes
notifies
Side Effects
Action
UI
fires

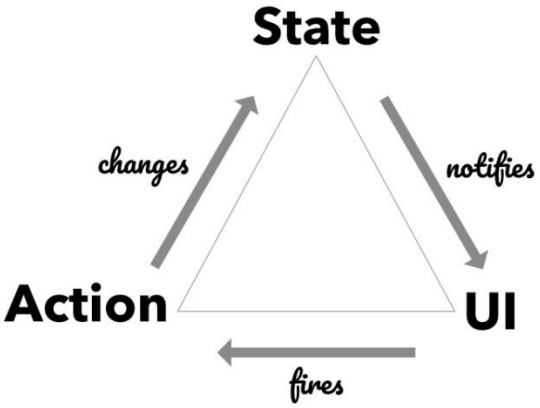

observables
]v[
MobX
actions
observers

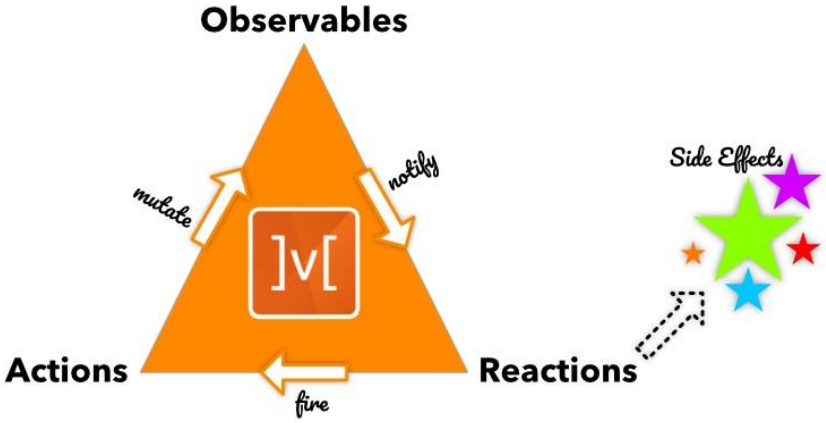

Store
Middlewares
reducer
reducer
reducer
reducer
reducer
dispatch
action
fires
UI
notifies
fires
Middlewares

Chapter 2: Observables, Actions, and Reactions

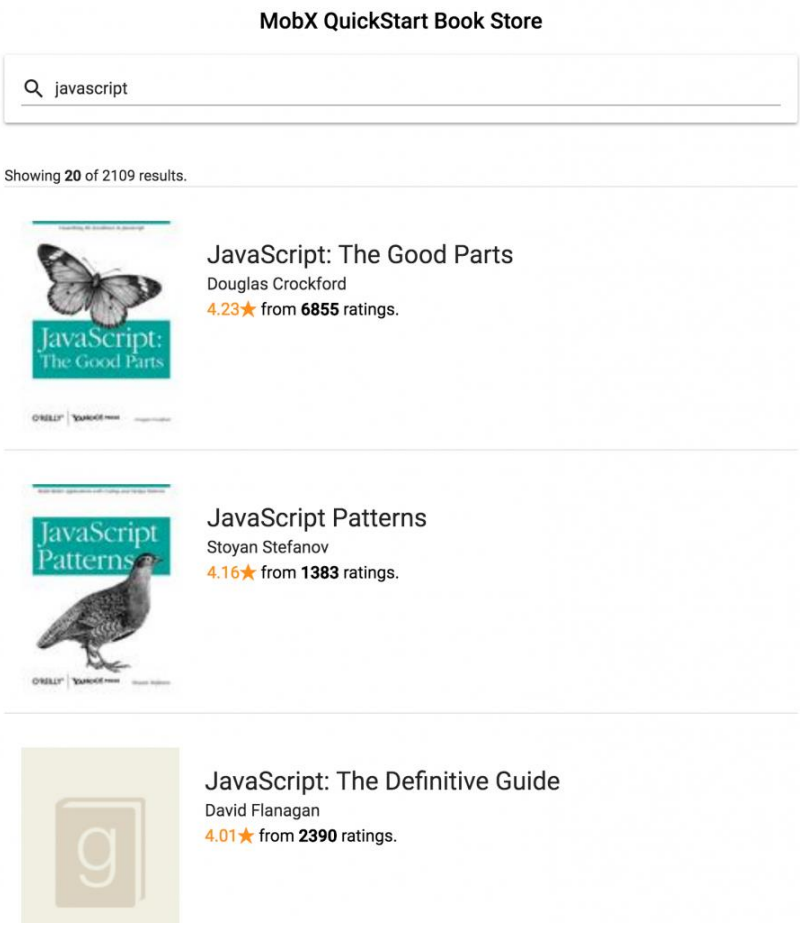
$$UI = fn(State)$$

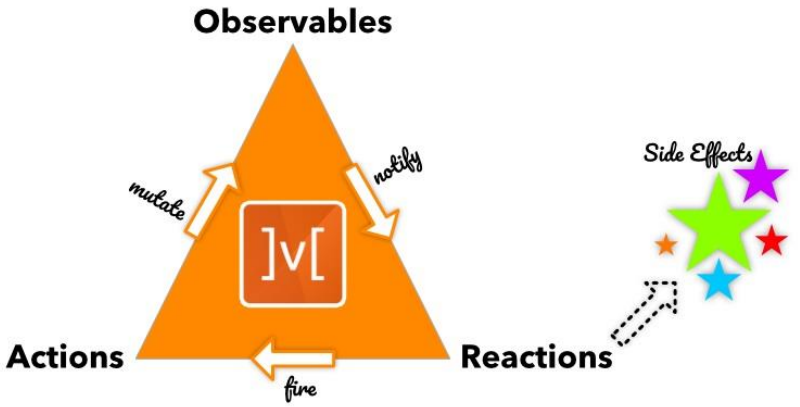


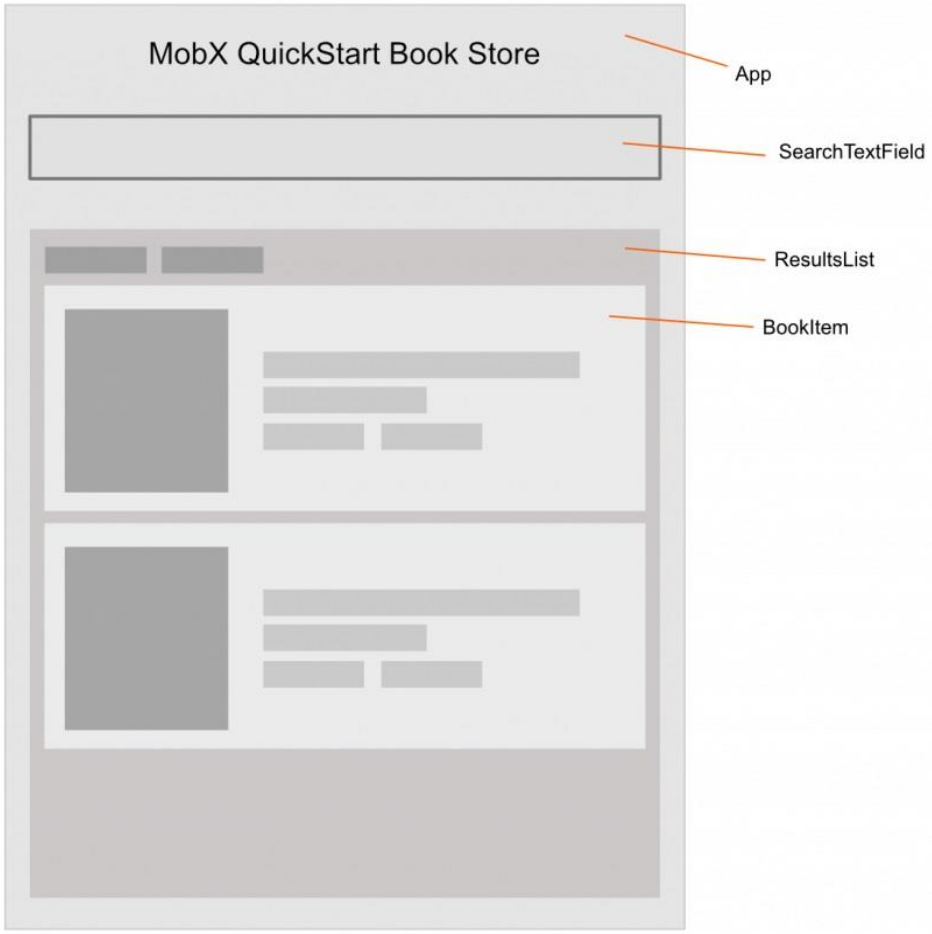

State
changes
notifies
Action
UI
fires

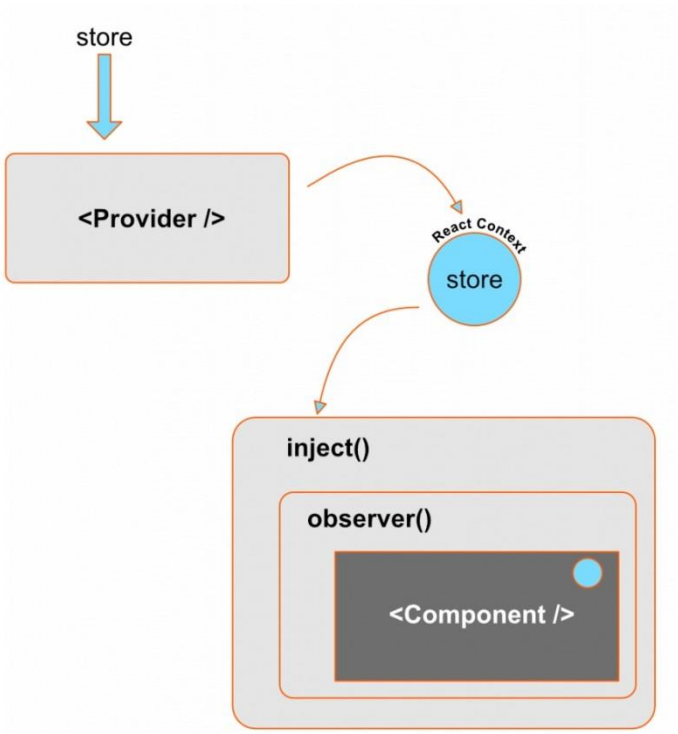

Observables
mutate
notify
]v[
Actions
Reactions
fire
Side Effects

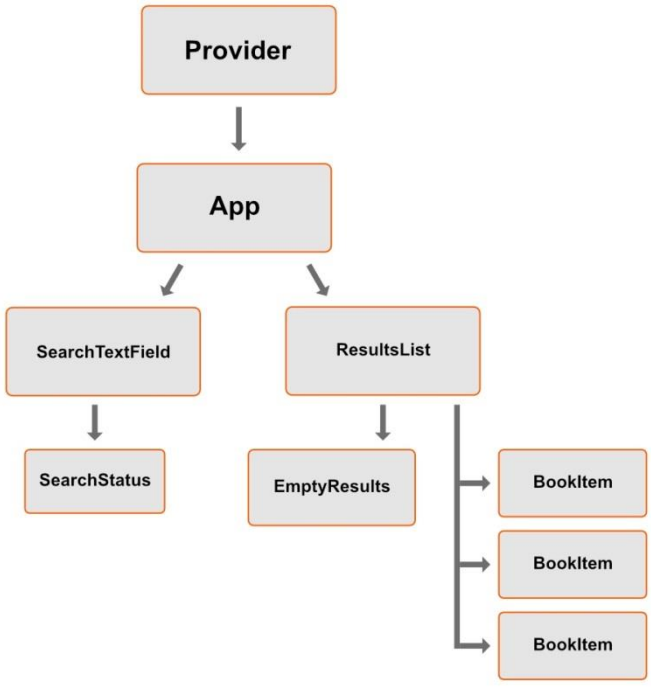
Chapter 3: A React App with MobX



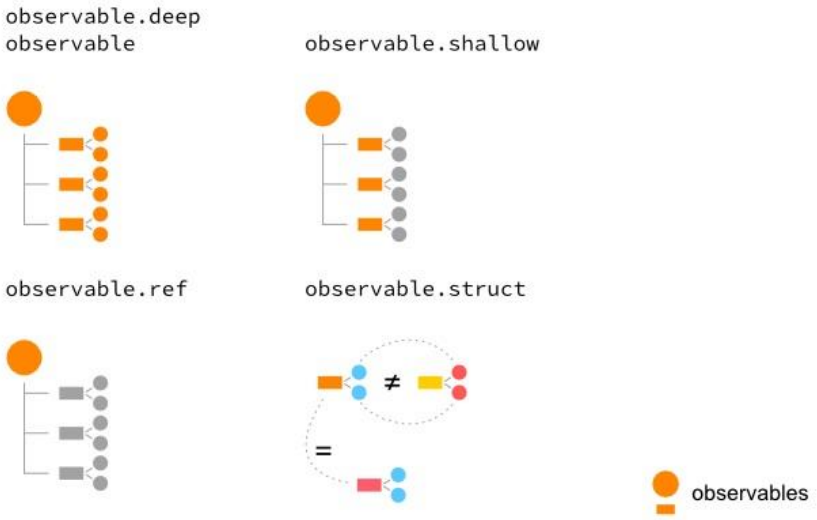


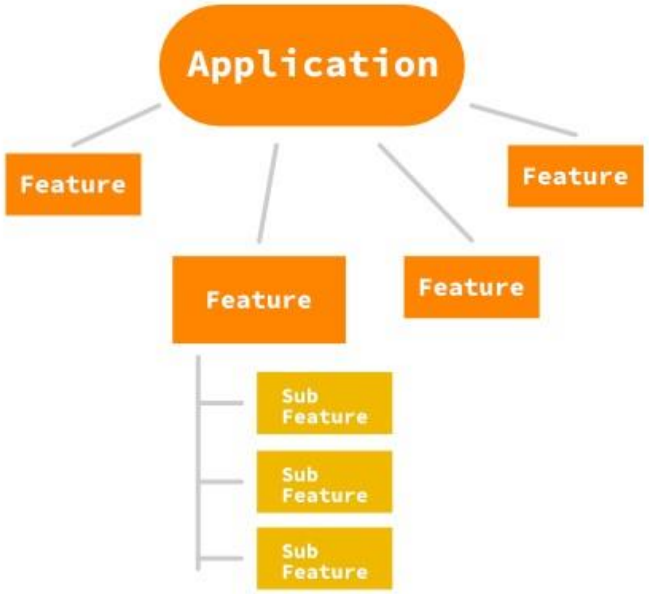

MobX QuickStart Book Store
App
SearchTextField
ResultsList
BookItem


store
<Provider />
React Context
store
inject()
observer()
<Component />


Provider
App
SearchTextField
ResultsList
SearchStatus
EmptyResults
BookItem
BookItem
BookItem

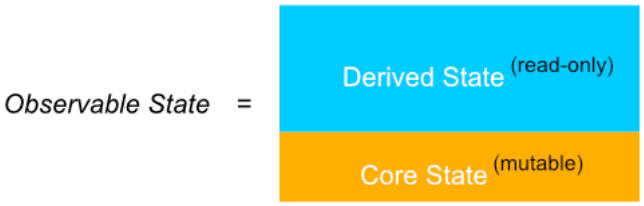
Chapter 4: Crafting the Observable Tree

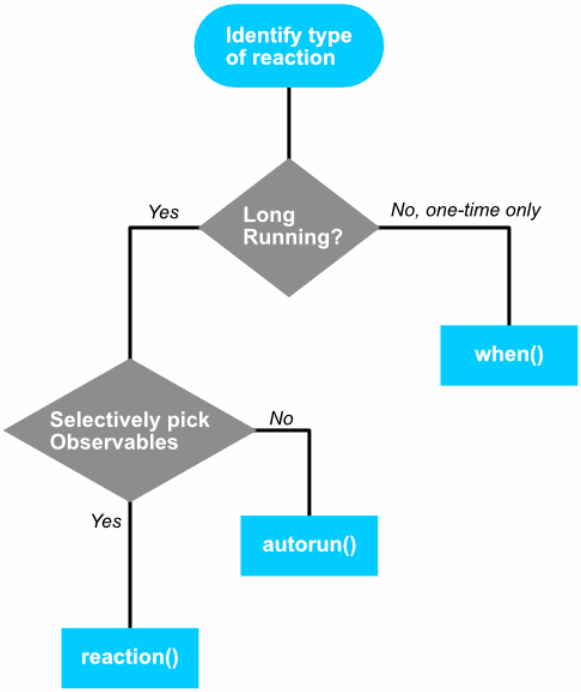




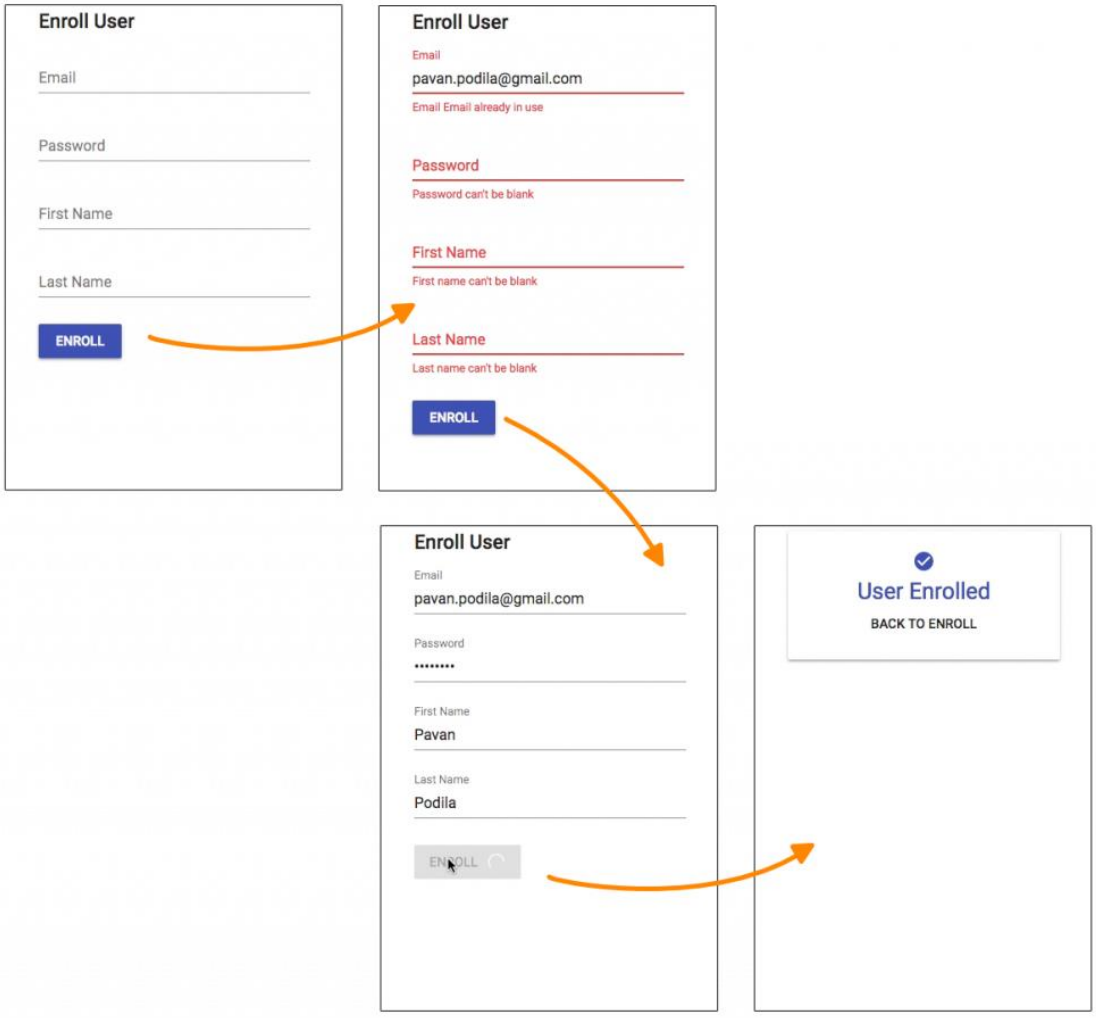
$$ObservableState = CoreState + DerivedState$$

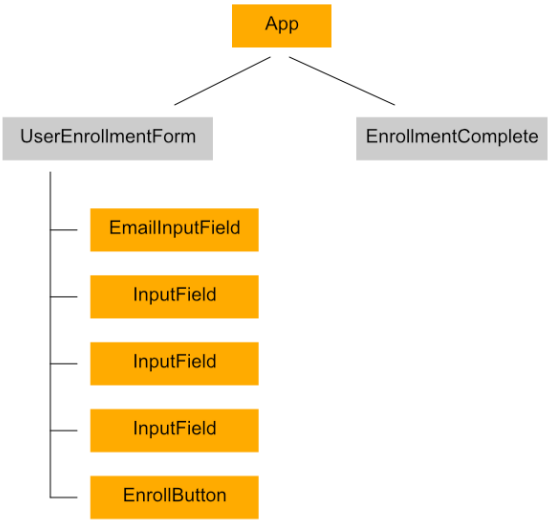
Chapter 5: Derivations, Actions, and Reactions

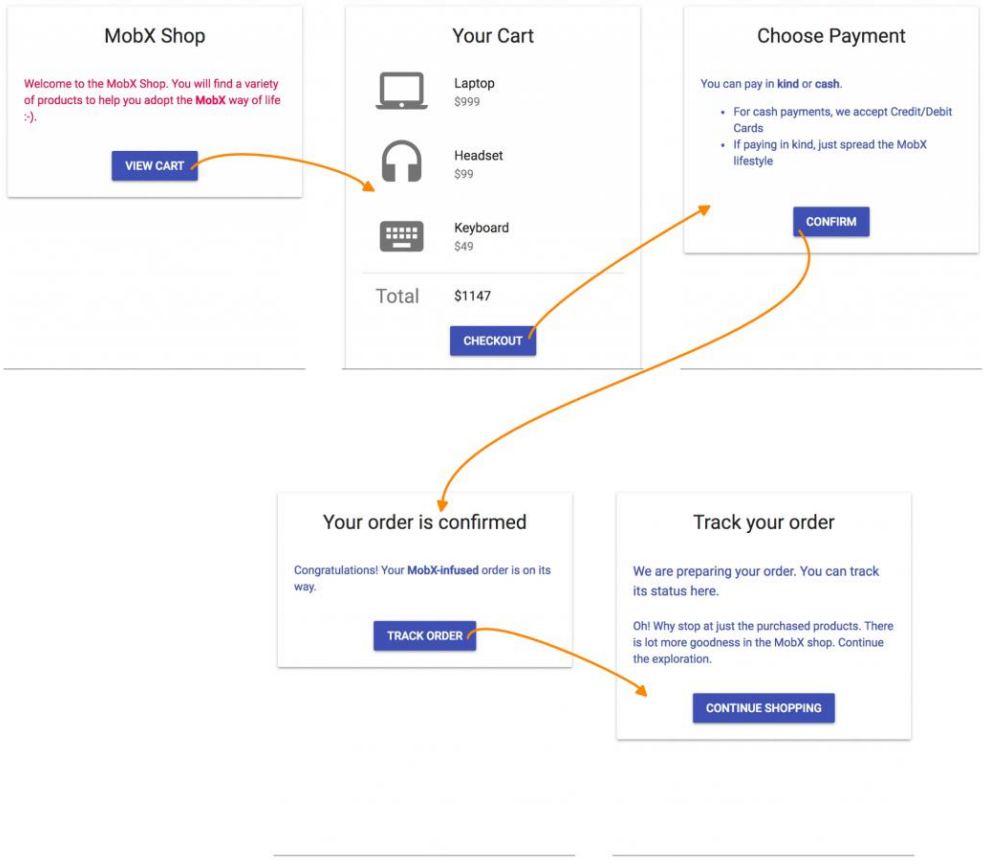


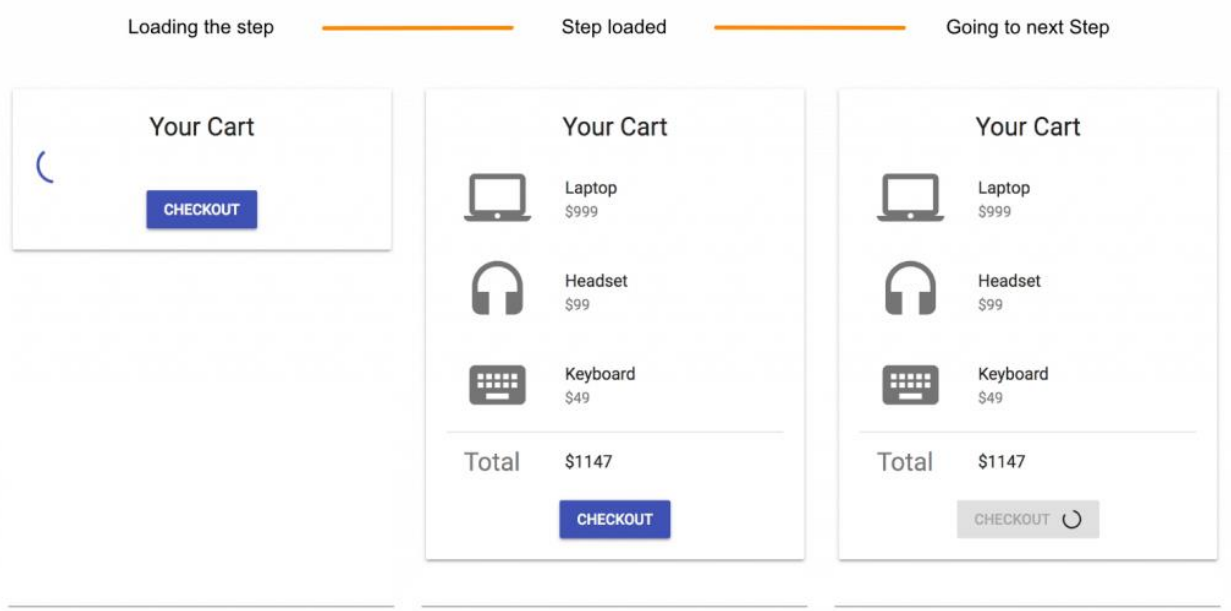


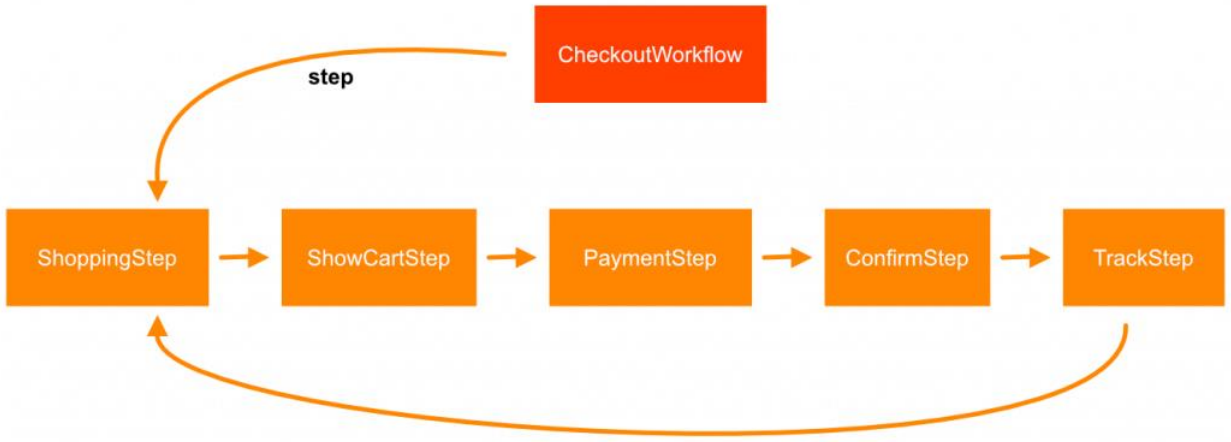
Chapter 6: Handling Real-World Use Cases

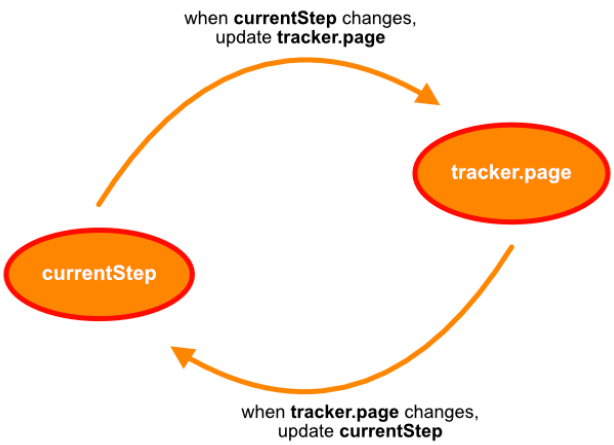


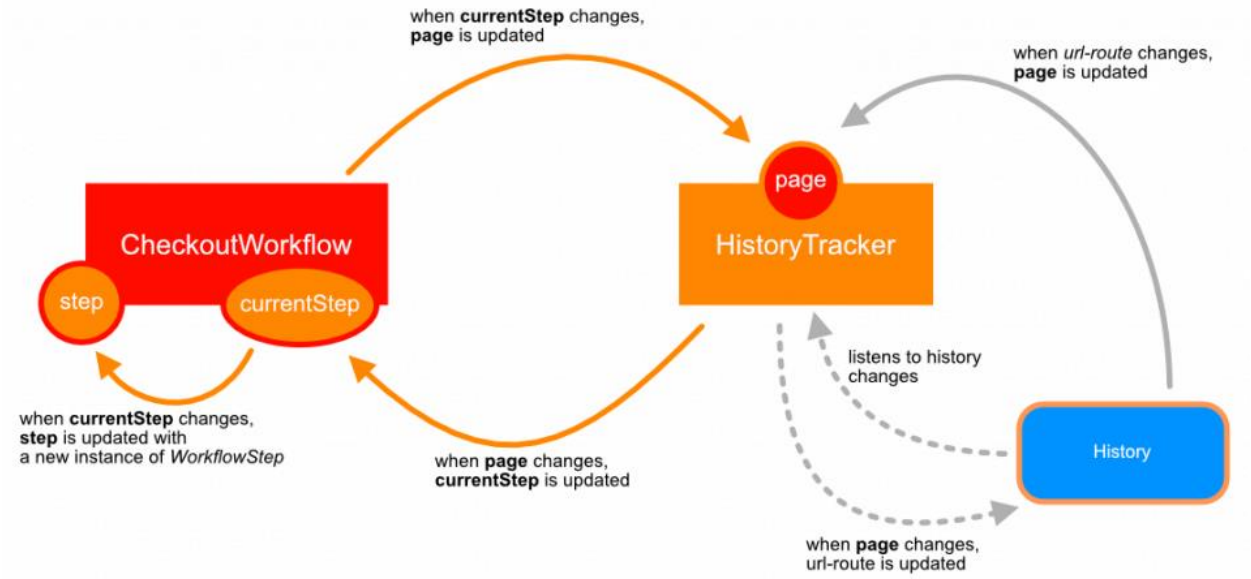

App
UserEnrollmentForm
EnrollmentComplete
EmailInputField
InputField
InputField
InputField
EnrollButton


MobX Shop
Welcome to the MobX Shop. You will find a variety of products to help you adopt the MobX way of life :-).
VIEW CART
Your Cart
Laptop
$999
Headset
$99
Keyboard
$49
Total
$1147
CHECKOUT
Choose Payment
You can pay in kind or cash.
For cash payments, we accept Credit/Debit Cards
If paying in kind, just spread the MobX lifestyle
CONFIRM
Your order is confirmed
Congratulations! Your MobX-infused order is on its way.
TRACK ORDER
Track your order
We are preparing your order. You can track its status here.
Oh! Why stop at just the purchased products. There is lot more goodness in the MobX shop. Continue the exploration.
CONTINUE SHOPPING

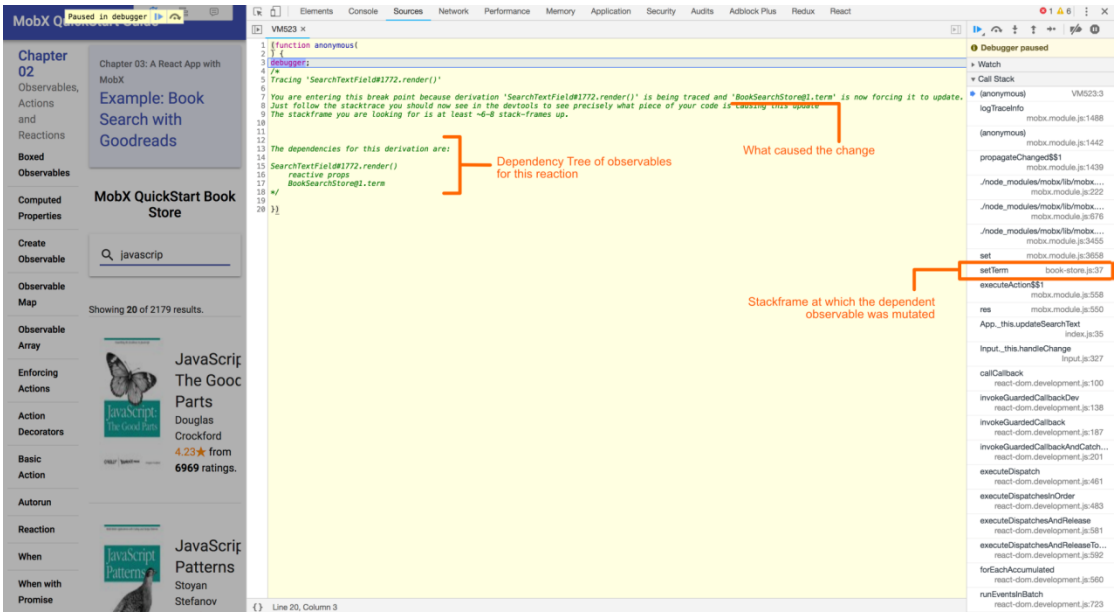

Loading the step
Step loaded
Going to next Step
Your Cart
CHECKOUT
Your Cart
Laptop
$999
Headset
$99
Keyboard
$49
Total
$1147
CHECKOUT
Your Cart
Laptop
$999
Headset
$99
Keyboard
$49
Total
$1147
CHECKOUT

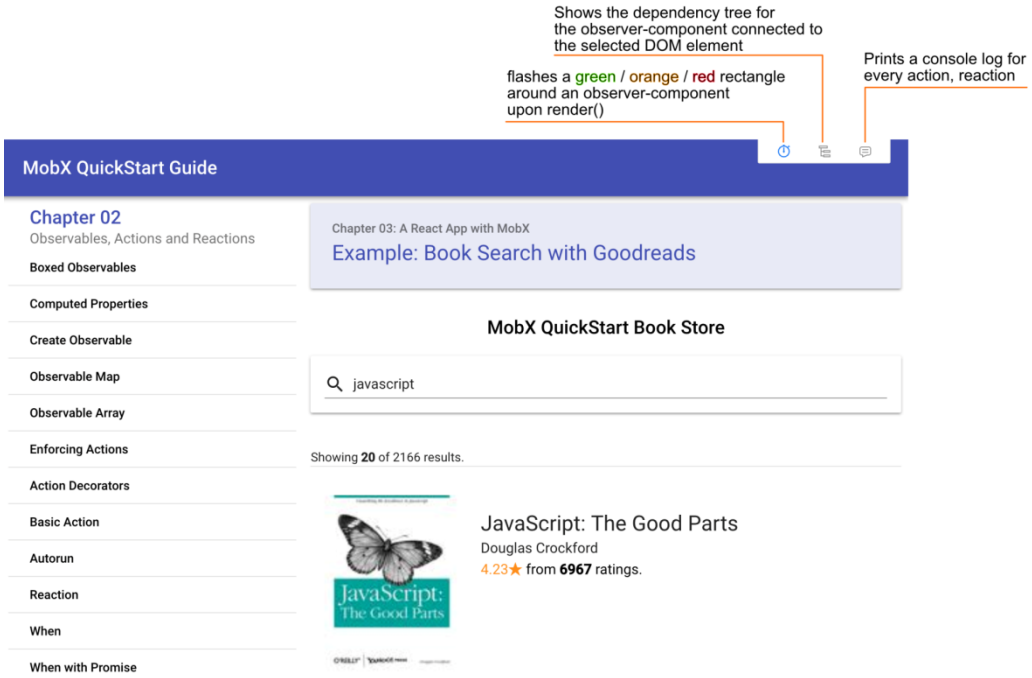

CheckoutWorkflow
step
ShoppingStep
ShowCartStep
PaymentStep
ConfirmStep
TrackStep


when **currentStep** changes,
update **tracker.page**
tracker.page
currentStep
when **tracker.page** changes,
update **currentStep**

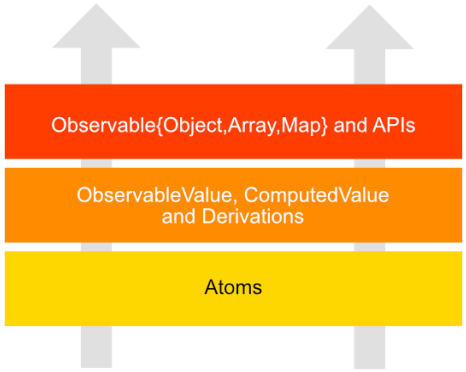

when **currentStep** changes,
page is updated
when *url-route* changes,
page is updated
page
CheckoutWorkflow
HistoryTracker
step
currentStep
listens to history
changes
History
when **currentStep** changes,
step is updated with
a new instance of *WorkflowStep*
when **page** changes,
currentStep is updated
when **page** changes,
url-route is updated

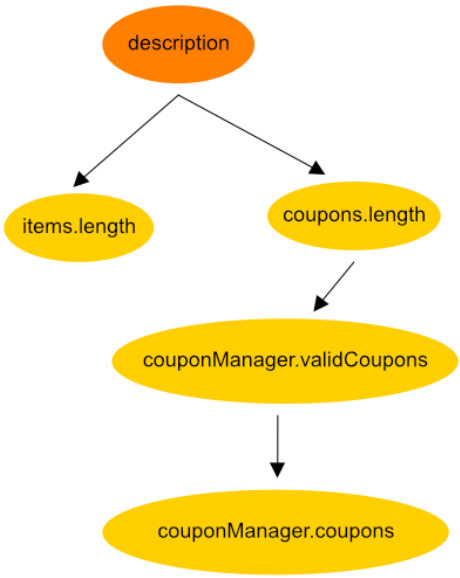
Chapter 7: Special API for Special Cases

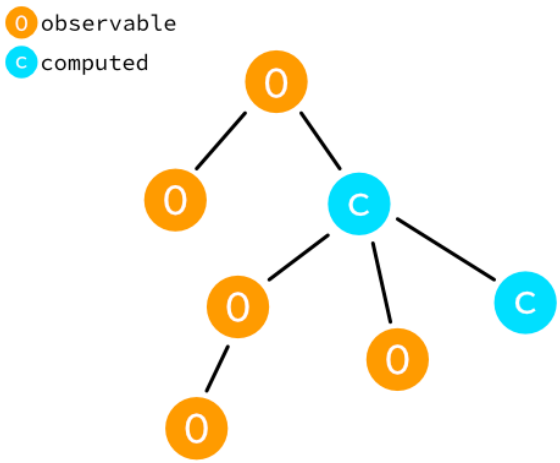




Chapter 8: Mobx Internals






O observable
C computed
O
O
C
O
O
C
O

Observable
1..*
1..*
reaction