

React and Redux

- - BASICS - -

Michael Woloszuk

@michaelwolo

Why?

Declarative

Composable

Prescriptive

Small API

Tested

Cross-Platform Compatibility

What is React?

Examples

☐ Only show products in stock

Name	Price
------	-------

Sporting Goods	
-----------------------	--

Football	\$49.99
----------	---------

Baseball	\$9.99
----------	--------

Basketball	\$29.99
-------------------	---------

Electronics	
--------------------	--

iPod Touch	\$99.99
------------	---------

iPhone 5	\$399.99
-----------------	----------

Nexus 7	\$199.99
---------	----------

☐ Only show products in stock

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Sporting Goods	
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Electronics	
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iPod Touch	\$99.99
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iPhone 5	\$399.99
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Nexus 7	\$199.99
---------	----------

Examples

Data



React



UI

What is Redux?

Greetings

Title

GreetingList

Greeting

Greetings

Title

GreetingList

Greeting

Greetings

Title

GreetingList

Greeting

Greetings

Title

GreetingList

Greeting

Example

Actions



Redux



State

Why is Redux relevant?

Actions



Redux

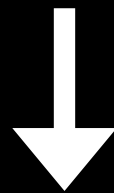


State

Data

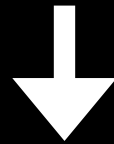


React



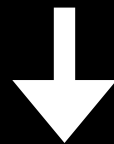
UI

Actions



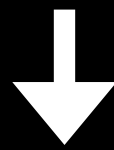
Redux

React



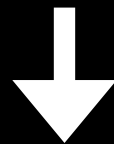
UI

Actions



Redux

React



UI



Demo

sashimispecialtyuramaki

Shrimp Tempura Roll7.99

Lobster Shrimp Roll8.99

King Crab Roll7.99

Vegetable Tempura Roll8.99

Calamari Roll8.99

Dynamite Roll9.99

King Crab Roll

-1+

7.99

Vegetable Tempura Roll

-2+

17.98

Maguro

-2+

19.98

Salmon

-1+

9.99

Tamago

-1+

9.99

Place Order(\$65.93)

Menu

sashimi

specialty

uramaki

Shrimp Tempura Roll7.99

Lobster Shrimp Roll8.99

King Crab Roll7.99

Vegetable Tempura Roll8.99

Calamari Roll8.99

Dynamite Roll9.99

King Crab Roll

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7.99

Vegetable Tempura Roll

-2+

17.98

Maguro

-2+

19.98

Salmon

-1+

9.99

Tamago

-1+

9.99

Place Order
(\$65.93)

Navigation

sashimi

specialty

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Lobster Shrimp Roll8.99

King Crab Roll7.99

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Calamari Roll8.99

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17.98

Maguro

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19.98

Salmon

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9.99

Tamago

-1+

9.99

Place Order
(\$65.93)

ItemList

sashimi

specialty

uramaki

Shrimp Tempura Roll7.99

Lobster Shrimp Roll8.99

King Crab Roll7.99

Vegetable Tempura Roll8.99

Calamari Roll8.99

Dynamite Roll9.99

King Crab Roll

-

1

+

7.99

Vegetable Tempura Roll

-

2

+

17.98

Maguro

-

2

+

19.98

Salmon

-

1

+

9.99

Tamago

-

1

+

9.99

Place Order

(\$65.93)

MenuItem

sashimi

specialty

uramaki

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Maguro

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Salmon

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9.99

Tamago

-1+

9.99

Place Order
(\$65.93)

OrderContainer

sashimi

specialty

uramaki

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Order

sashimi

specialty

uramaki

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Place Order
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OrderEntry

sashimi

specialty

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19.98

Salmon

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9.99

Tamago

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9.99

Place Order
(\$65.93)

EntryAmountToggle

sashimi

specialty

uramaki

Shrimp Tempura Roll7.99

Lobster Shrimp Roll8.99

King Crab Roll7.99

Vegetable Tempura Roll8.99

Calamari Roll8.99

Dynamite Roll9.99

King Crab Roll

-

1

+

7.99

Vegetable Tempura Roll

-

2

+

17.98

Maguro

-

2

+

19.98

Salmon

-

1

+

9.99

Tamago

-

1

+

9.99

Place Order

(\$65.93)

OrderSuccessModal



Code Sample

React and Redux

- - THANKS - -

Michael Woloszuk

@michaelwolo