



Vue vs React

Which one should you choose for your next project?

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Which one to choose?



What do you think about me?



Similarities



Reactive

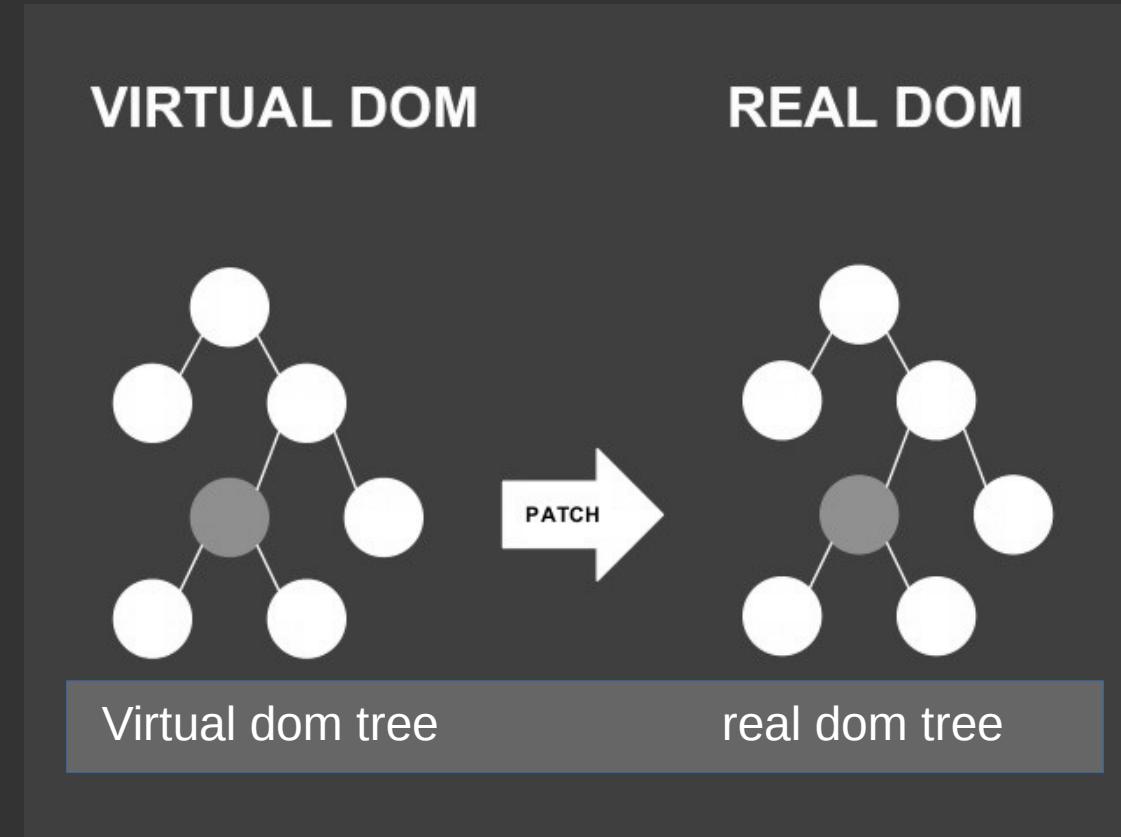
RX = OBSERVABLE + OBSERVER + SCHEDULERS

Similarities



Reactive
BTW, They're actively gazing you!

Similarities



Virtual DOM

Similarities

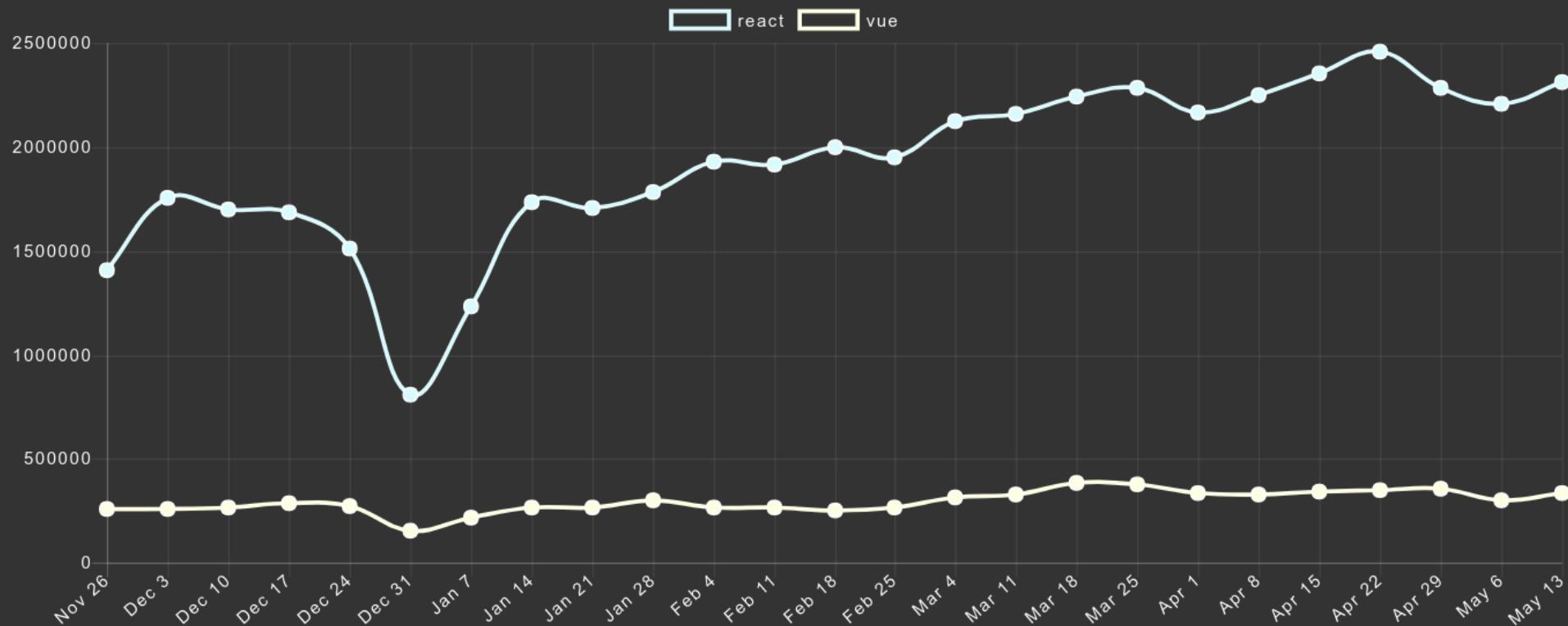


Both React and Vue are exceptionally and similarly fast, so speed is unlikely to be a deciding factor in choosing between them.

Performance

Benchmark: <http://www.stefankrause.net/js-frameworks-benchmark7/table.html>

Similarities



NPM Download Chart

Source: <http://www.npmtrtrends.com/react-vs-vue>

Similarities



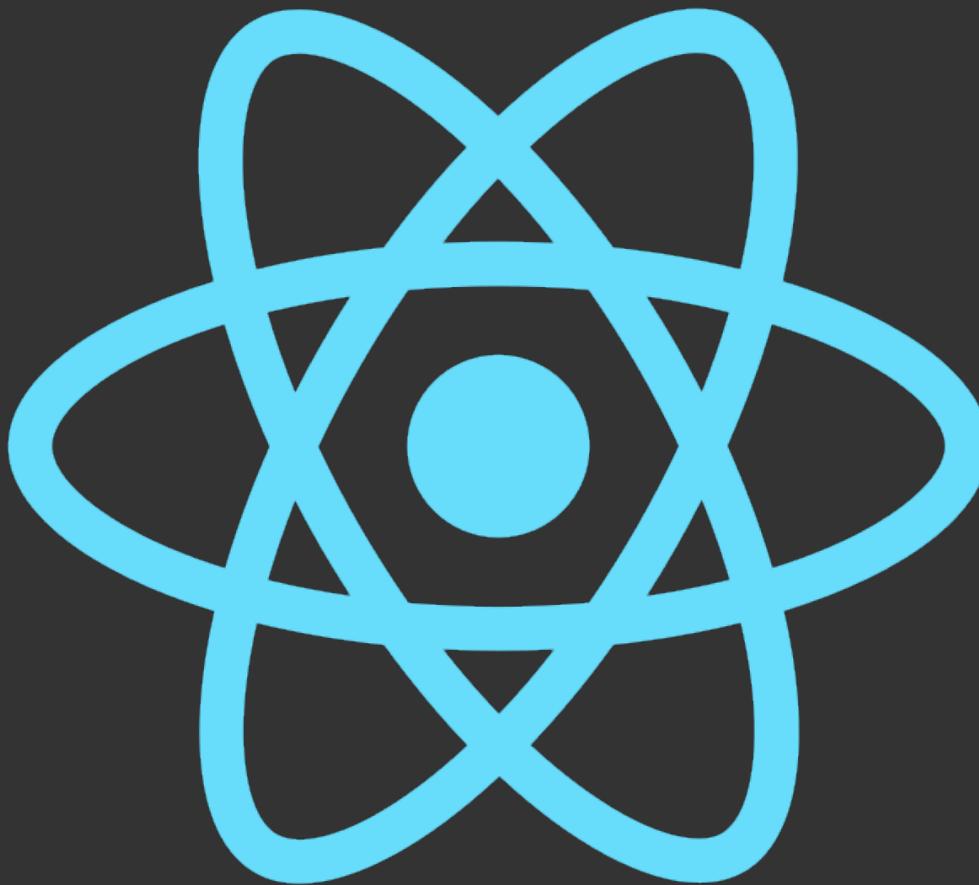
Github Stats

	stars ⭐	forks ⚡	issues ⚠	updated ✅	created 🎉
vue	94352	13920	192	May 17, 2018	Jul 29, 2013
react	95953	18072	463	May 17, 2018	May 24, 2013

Github Stats

Source: <http://www.npmtrends.com/react-vs-vue>

Features of React.js



Single piece of components



Keep your component small

JSX

```
const organizer = <h1>Young Innovations Pvt. Ltd.</h1>;
```



The End
Of Excuses

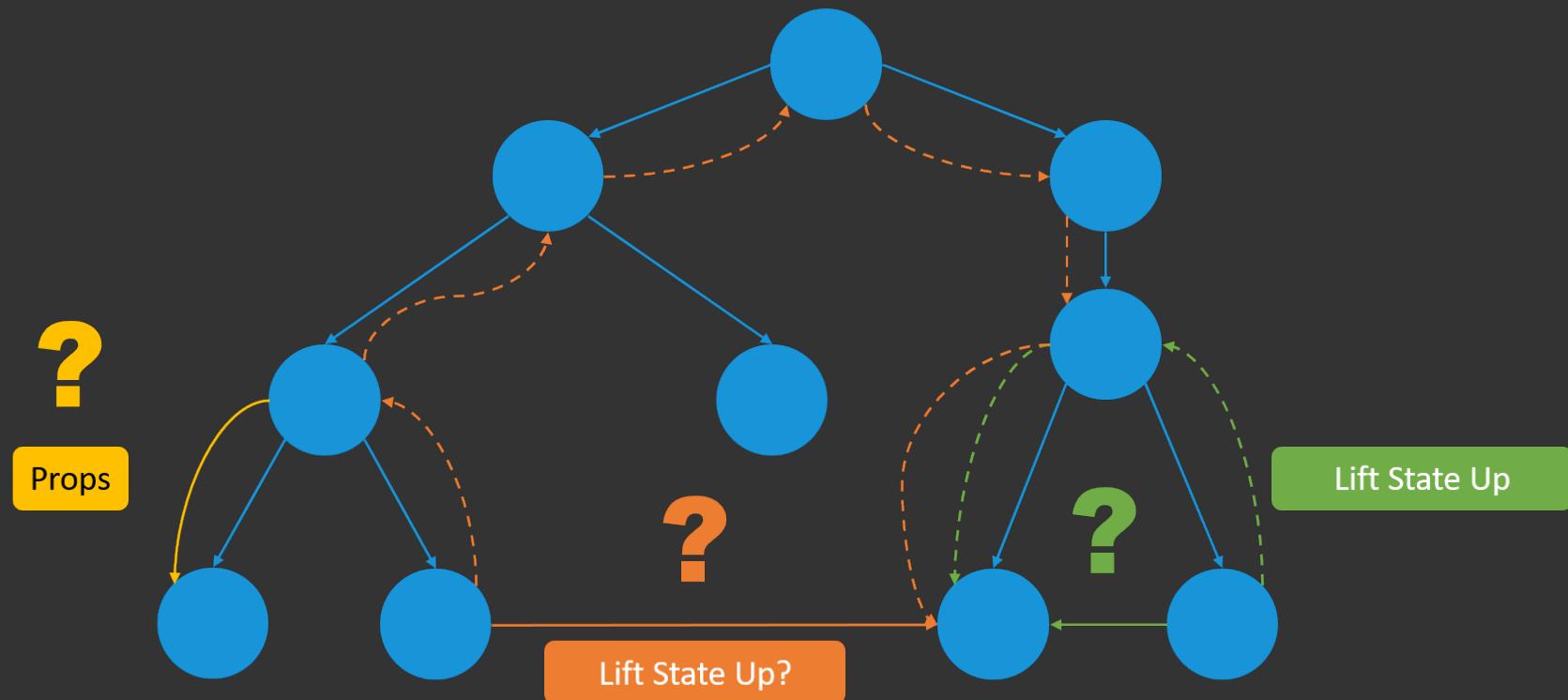
Write everything in JavaScript

Rendering elements



Update only when required.

Props & States



Props are read only.
Props cannot be modified.

State changes can be asynchronous.
States can be modified using `this.setState`.



Features of Vue.js



Templates



Form input bindings



Slots

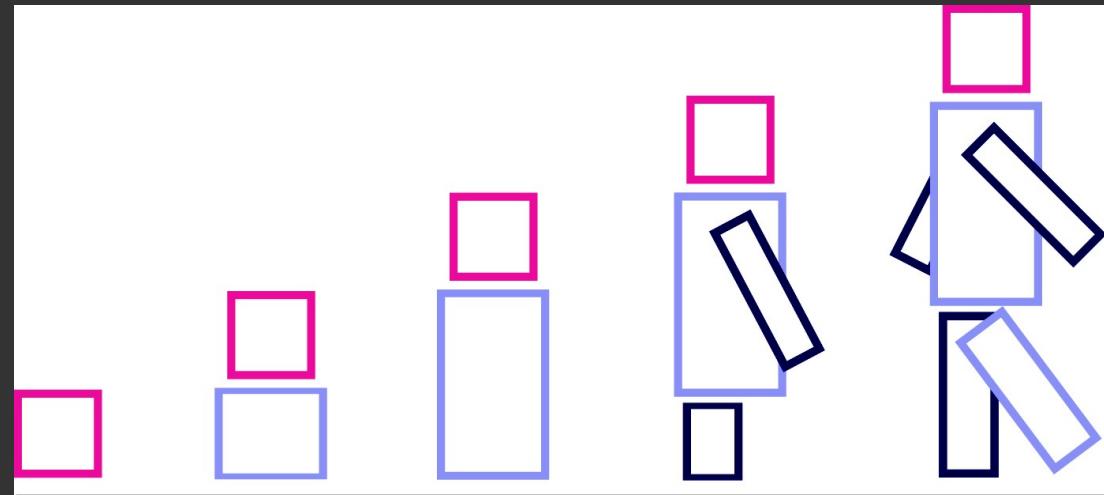
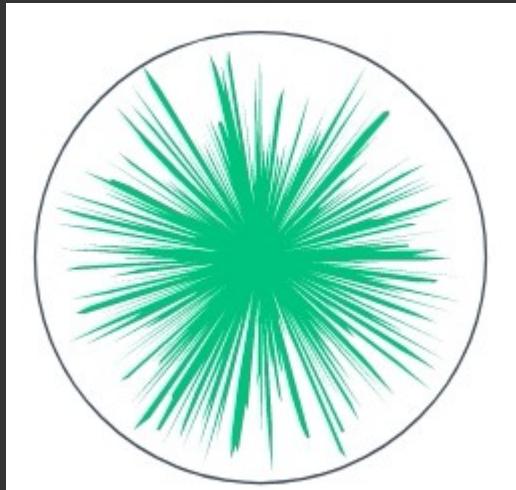


Transitions

```
<div id="demo">  
  <button v-on:click="show = !show">  
    Toggle  
  </button>  
  <transition name="fade">  
    <p v-if="show">hello</p>  
  </transition>  
</div>
```

```
new Vue({  
  el: '#demo',  
  data: {  
    show: true  
  }  
})
```

```
.fade-enter-active, .fade-leave-active {  
  transition: opacity .5s;  
}  
.fade-enter, .fade-leave-to {  
  opacity: 0;  
}
```

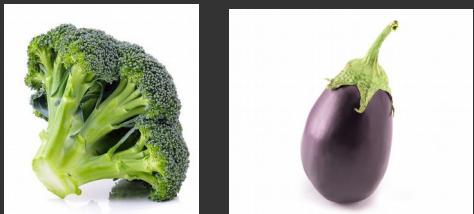
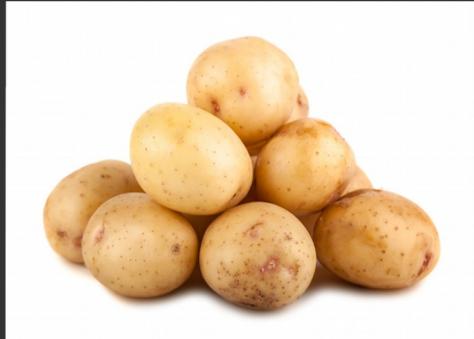


Mixins

```
// define a mixin object
var potatoMixin = {
  created: function () {
    this.slice()
  },
  methods: {
    slice: function () {
      console.log('sliced potato')
    }
  }
}
```

```
// define a component that uses this mixin
var Brinjal = Vue.extend({
  mixins: [potatoMixin]
})

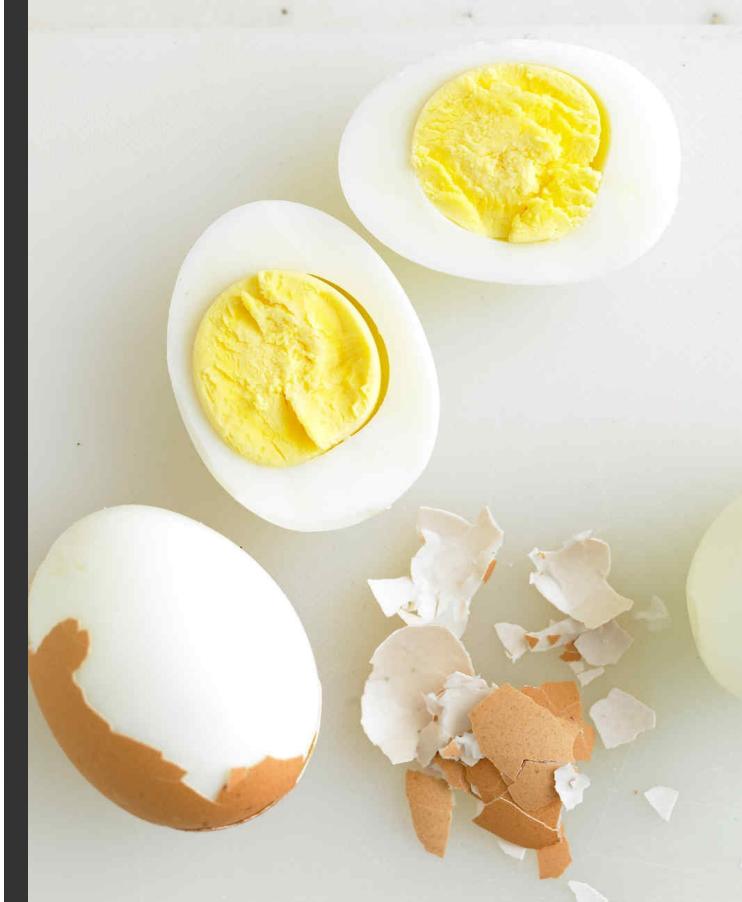
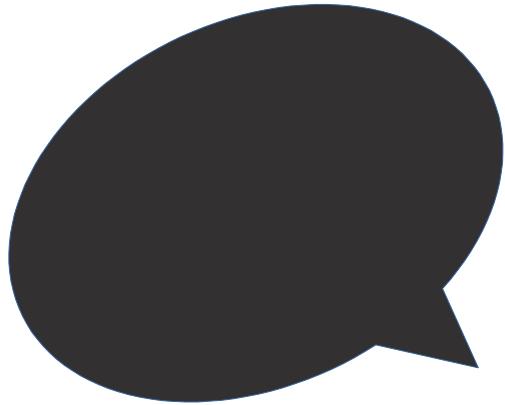
var curry = new Brinjal() // => "sliced potato"
```



Directives

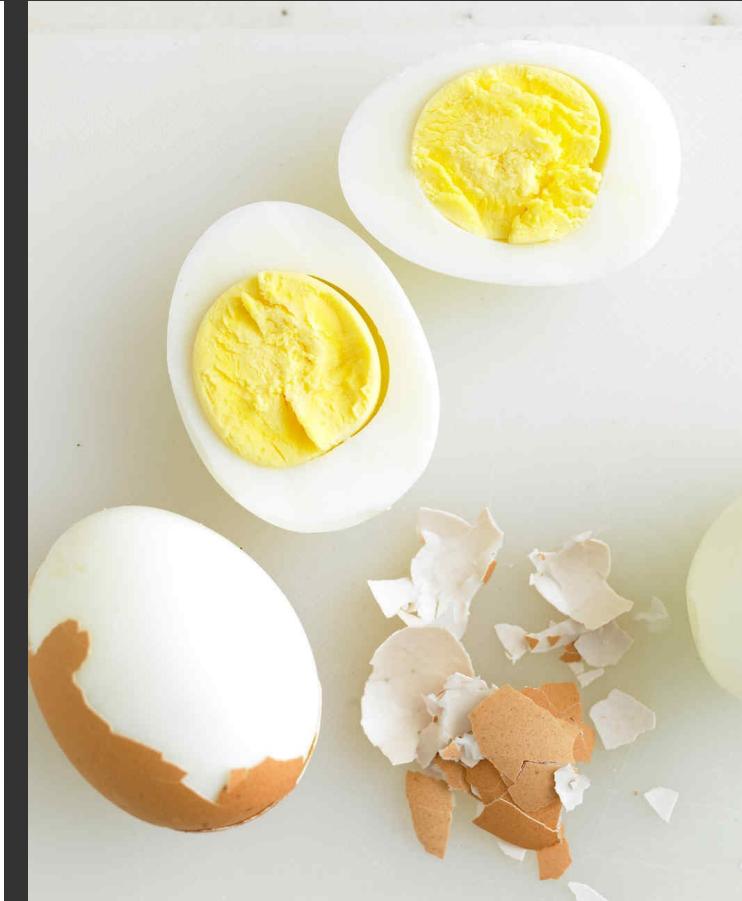


Filters



Filters

Why do I fart so much?





Missing Features



This photo is actually of an Indian man with 39 wives, 94 children and 33 grandchildren

React

Issues / Difficulties

RIP In Advance 😂



React

Issues / Difficulties



React

Issues / Difficulties

Do not forget to use component name with a capital letter.

```
1 class button extends React.Component {  
2     render() {  
3         return <button>My Awesome Button</button>;  
4     }  
5 }  
6  
7 ReactDOM.render(<button />, mountNode);  
8
```



React

Issues / Difficulties

Confusing curly braces {} with parentheses ()

Instead of:

```
return {  
  something();  
};
```

You need:

```
return (  
  something();  
);
```

Instead of:

```
const Greeting = ()  
=> {  
  <div>  
    Hello World  
  </div>  
};
```

You need:

```
const Greeting = ()  
=> (  
  <div>  
    Hello World  
  </div>  
);
```

React

Issues / Difficulties

Not wrapping objects with parentheses

Instead of:

```
const myAction = () => { type: 'DO_THIS' };
```

You need:

```
const myAction = () => ({ type: 'DO_THIS'});
```

```
this.setState(prevState => { answer: 42 });
```

```
this.setState(prevState => ({ answer: 42 }));
```

React

Issues / Difficulties



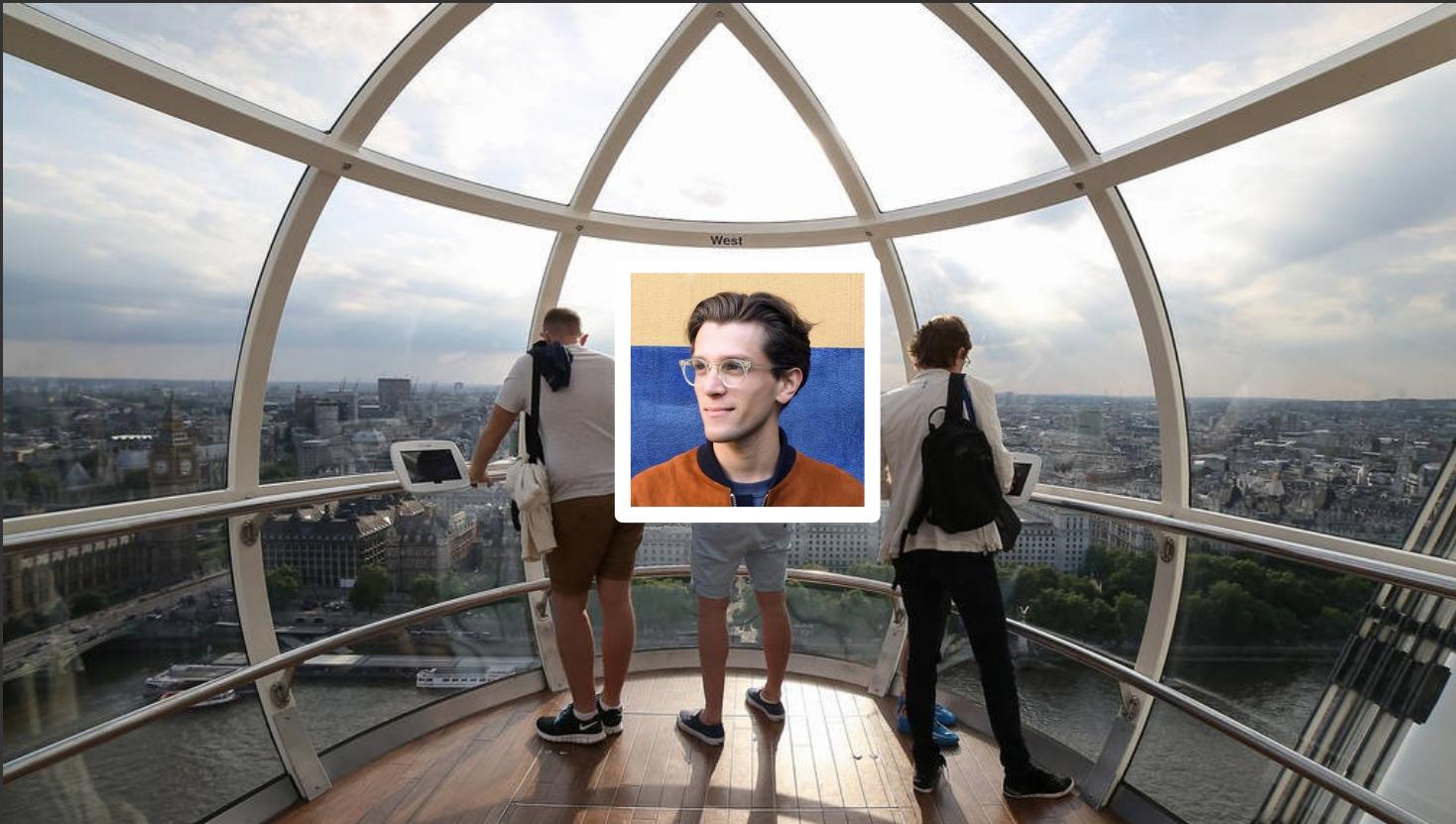
Vue

Issues / Difficulties



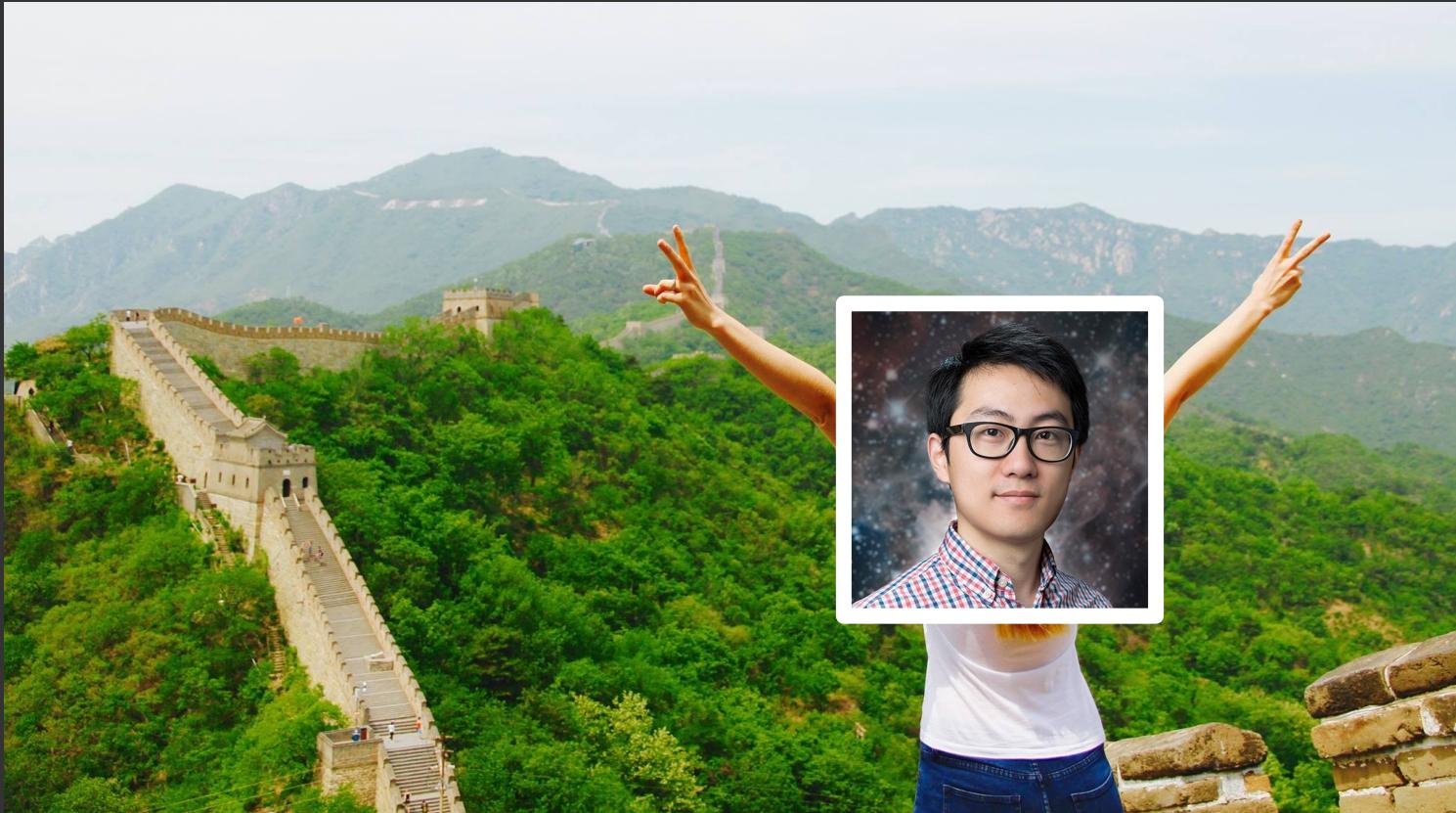
Vue

Differences



React

Differences



Vue

Differences



~= ticks => politics

Misconception



Vue is for small application.

Misconception



=>



Thinking in React's single piece of components

Tweets

Dan Abramov @dan_abramov · 23h
Why does a simple soap have so many dependencies

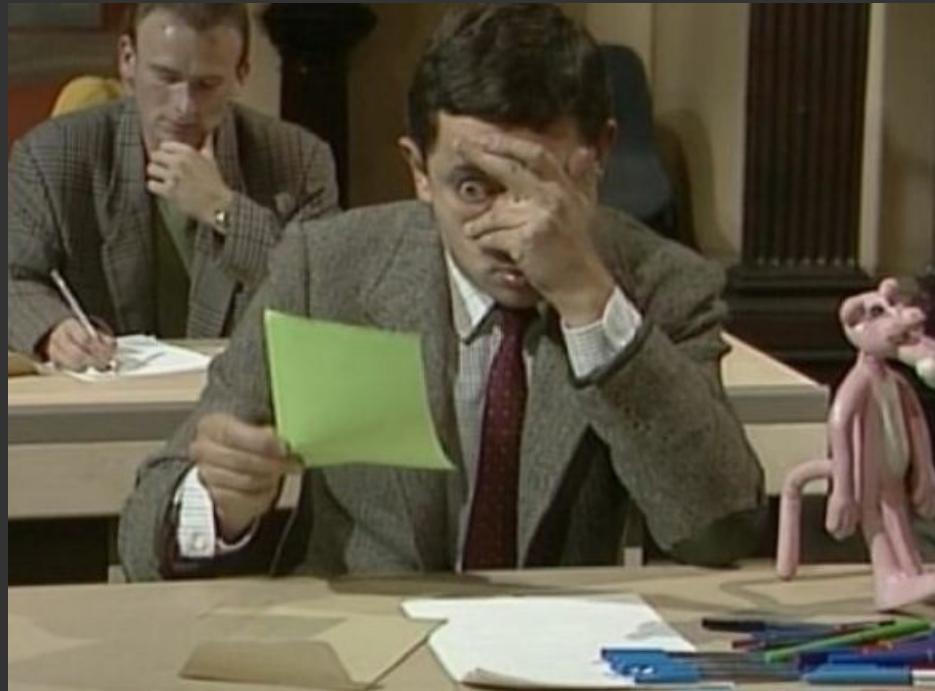
The image shows the back of a soap bar. At the top, it lists various languages for "JABÓN DE MANOS / SAPONE PER LE MANI / SABONETE PARA AS MÃOS / HANDZEEP / HANDELTVÄL / SABONETE PARA HÅNDESEBE / HÅNDSÅPE / ハンドソープ /". Below this is a long list of ingredients in English, including water, sodium lauryl sulfate, fragrance, PEG-40 hydrogenated castor oil, sorbeth-230 tetraoleate, glycerin, Hippophae rhamnoides oil, citrus aurantium dulcis (orange) fruit extract, sodium chloride, Rosmarinus officinalis (rosemary) leaf extract, cocoyl proline, guar hydroxypropyltrimonium chloride, citrus limon (lemon) fruit extract, Vaccinium myrtillus fruit/leaf extract, hydrogenated starch hydrolysate, citric acid, sodium bicarbonate, sorbitan laurate, Saccharum officinarum (sugar cane) extract/extrait de canne à sucre, cocamidopropyl hydroxysultaine, Acer saccharum (sugar maple) extract, maltooligosyl glucoside, decyl glucoside, potassium citrate, limonene, linalool, disodium EDTA, BH, tocopherol, phenoxyethanol, potassium sorbate, benzoin, and dehydroacetic acid. A note at the bottom states "Not tested on animals. Non testé sur animaux." Below the ingredients is the website "www.lelabofragrances.com" and a barcode.

93 399 2.3K

No necessity to wrap whole component in one place.

Final Thoughts

When all answers in an exam seems correct... But you have to
Choose the right one...



Which one should I choose for my next project?

Final Thoughts



Final Thoughts



Final Thoughts



Final Thoughts



suruwad
ek
ristey
k sath

Untouched Topics



Thank you.



Any Question?