

WHY REACT?



@joshgretz

WELCOME



THANKS FOR COMING

SPONSORS



THANK YOU!!!

TRUEFIT

SECTION No.





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CHAPTER No.



BACKSTORY

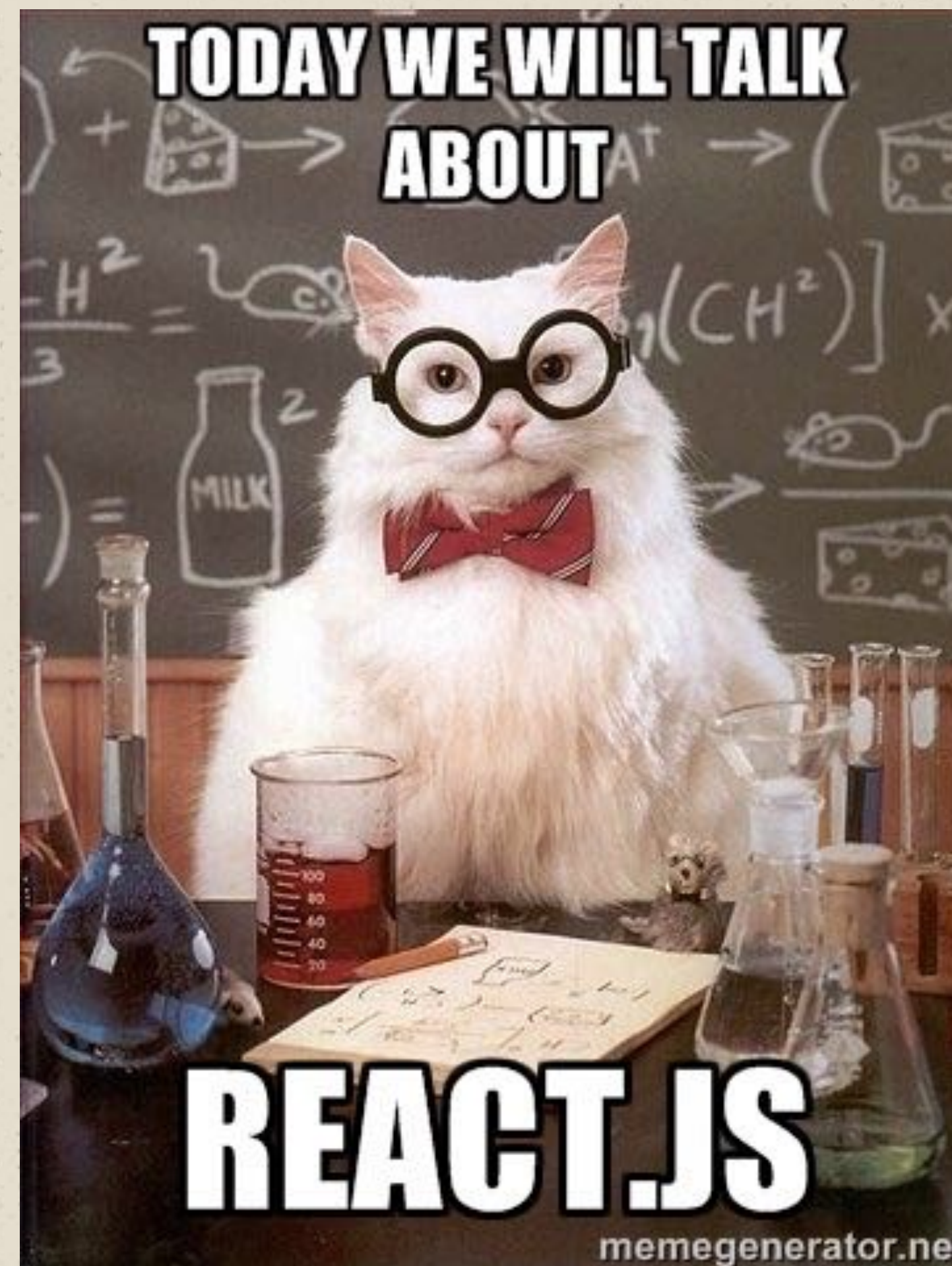
WHY ARE WE HERE?

SECTION No.

0



UMM . . .



WHAT ARE WE GOING TO TALK ABOUT?

SECTION No.

0



THEME FOR TONIGHT



- ★ Talk about React a high level
- ★ There will be code :)
- ★ BUT the point of the talk is more about the business / technical case than an in depth dive into React
- ★ Thats for future meetups

WHO AM I?



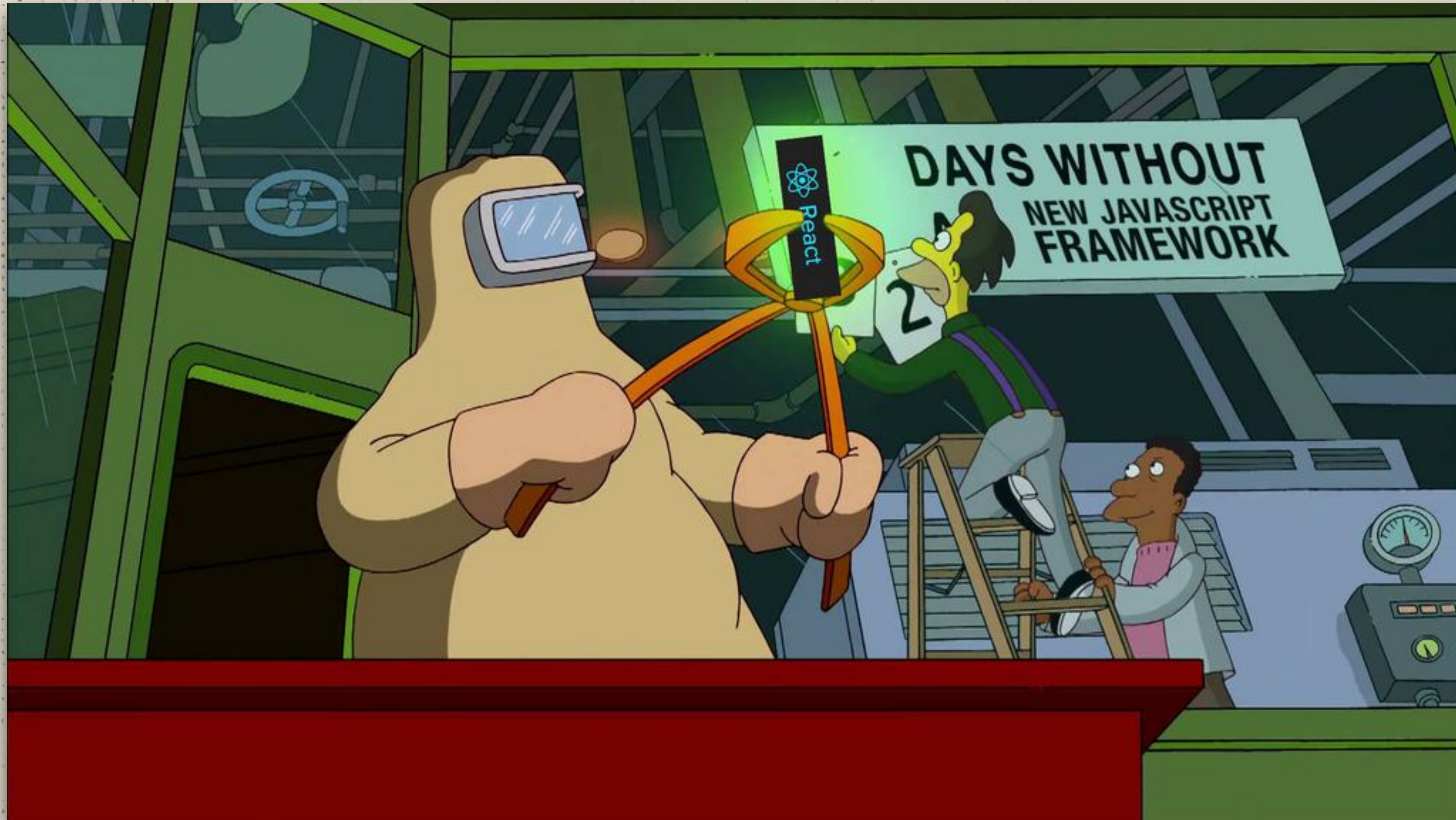
Josh Gretz

@joshgretz

<http://www.github.com/jgretz>

**I LOVE
BRIGHT, SHINY,
NEW THINGS!!!**

ANOTHER JS FRAMEWORK!!!



WHO ARE THESE GUYS?



Adam Kirkton

Architect



Josh Gillespie

Architect



Nick Stewart

Director of Engineering

NOT ANOTHER FRAMEWORK FACEPALM



2007



2009



2012



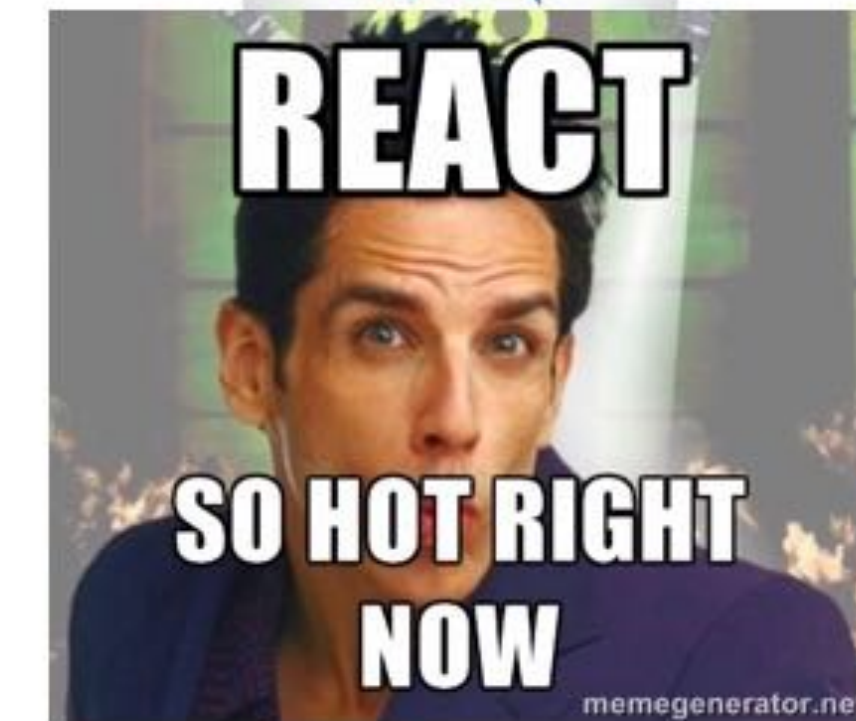
2013



2014



2015



**THIS TALK IS A
JUSTIFICATION TO
MY TEAM**



CHAPTER No.



DEVELOPMENT SPEED

HOT MODULE REPLACEMENT

SECTION No.



 **DEMO**  **=**  **{NOW}**

JSX

SECTION No.



1

HTML IN MY JS ?!?!?!?



Dude...wait....



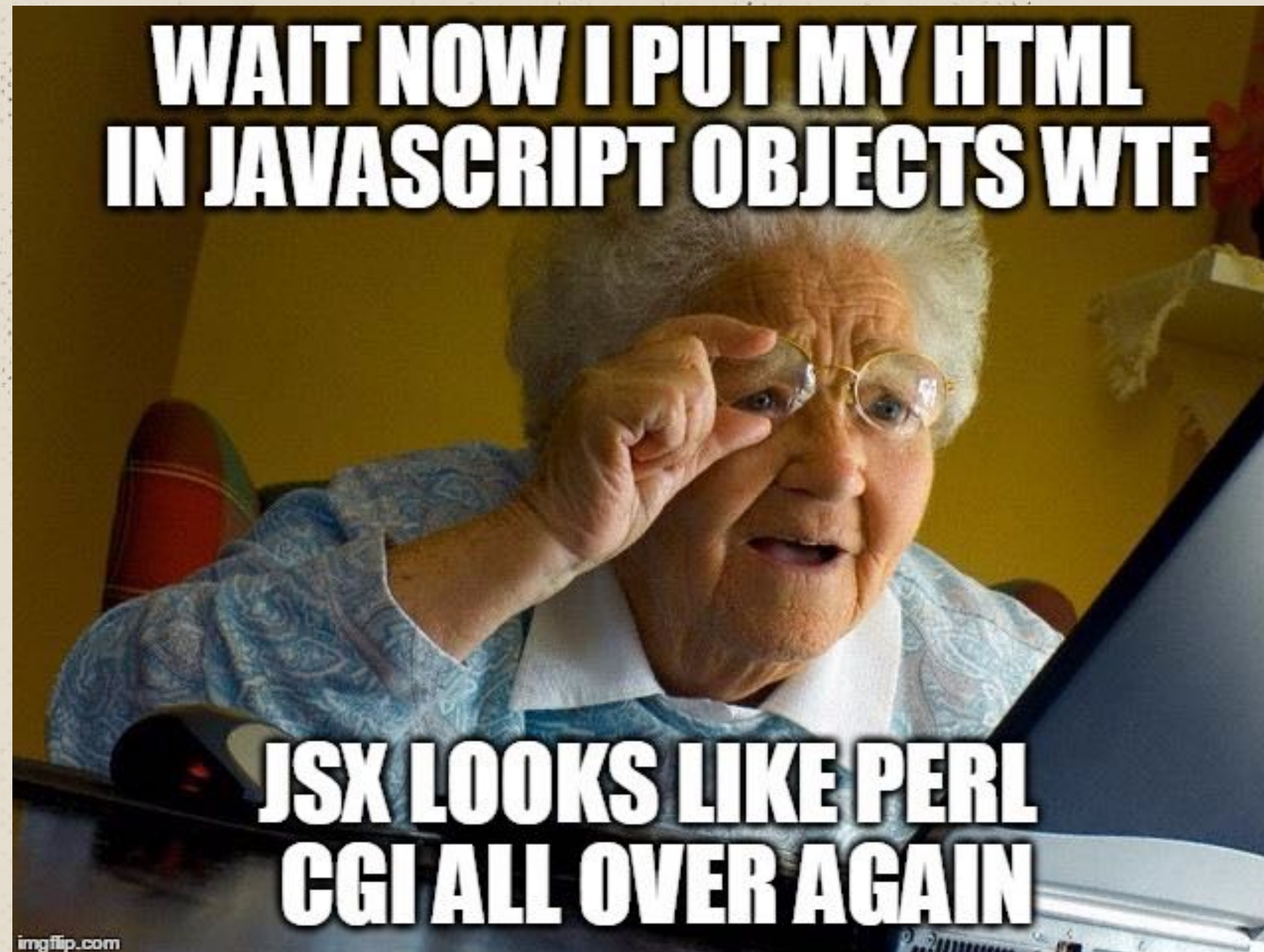
What???

ICANHASCHEEZBURGER.COM

HTML IN MY JS ?!?!?!?



**WAIT NOW I PUT MY HTML
IN JAVASCRIPT OBJECTS WTF**



**JSX LOOKS LIKE PERL
CGI ALL OVER AGAIN**

imgflip.com

TAKE A BREATH ...



- ★ Its not really that dirty ...

TAKE A BREATH ...



★ Its not really that dirty ...

```
<a class="foo">Go Somewhere</a>
```

```
$('.foo').hide();
```

```
.foo {  
  font-size: 2em;  
}
```


TAKE A BREATH ...



- ★ Its not really that dirty ...
- ★ Its not really that different ...

TAKE A BREATH ...



- ★ Its not really that dirty ...
- ★ Its not really that different ...

// Angular

```
<div ng-repeat="foo in foos">  
  {{foo.name}}  
</div>
```

// Ember

```
{{#each foo in foos}}
```


TAKE A BREATH ...



- ★ Its not really that dirty ...
- ★ Its not really that different ...
- ★ Its actually simpler and more powerful

 **DEMO**  **=**  **{NOW}**

REACT DEV TOOLS

SECTION No.



1



CHAPTER No.



MENTAL CLARITY

STATE MANAGEMENT

SECTION No.

2

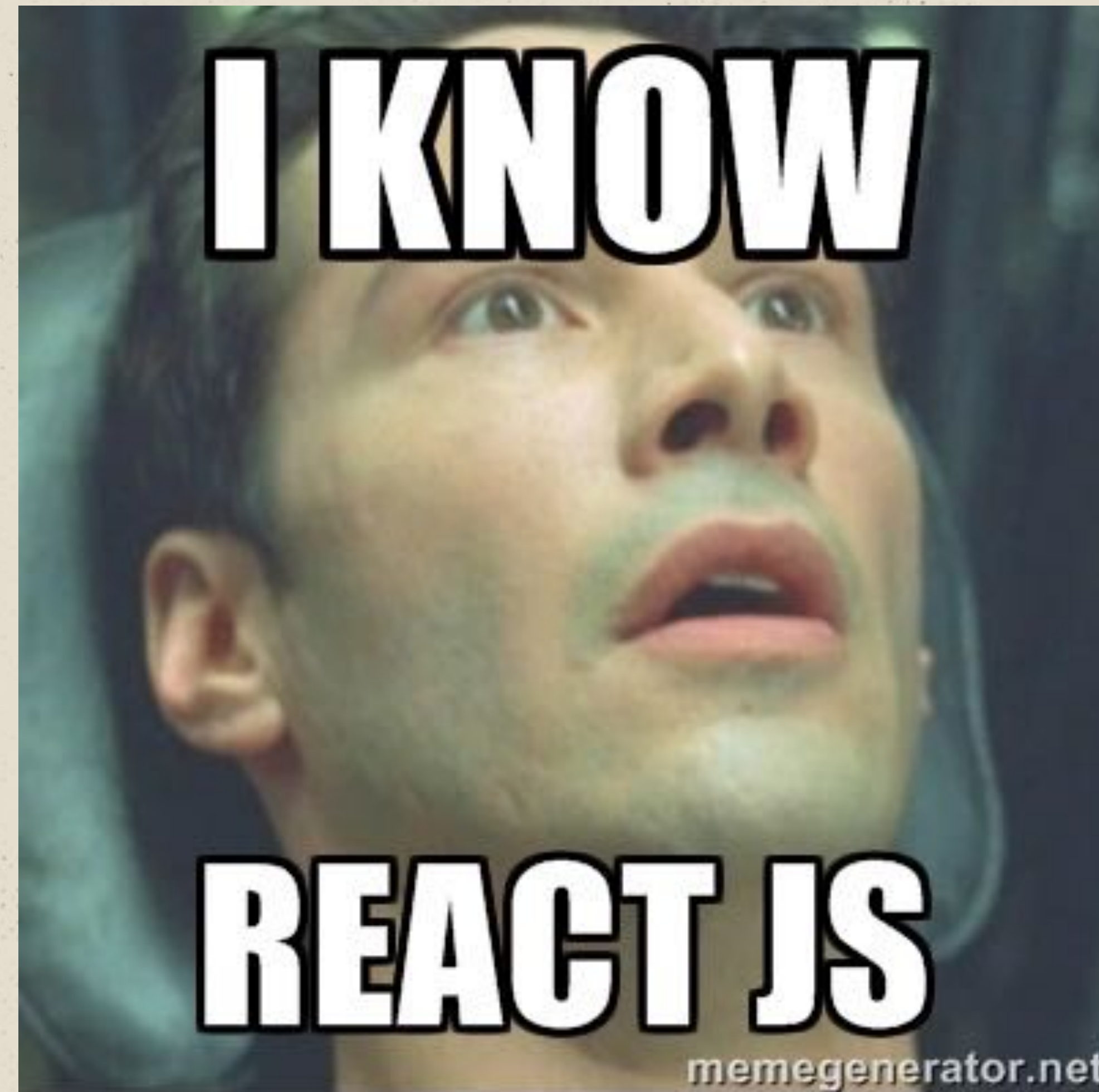


UNIDIRECTIONAL DATA FLOW



- ★ **Simplify data flow**
- ★ **Eliminates unexpected side effects**
- ★ **State is explicit**
- ★ **State is modular**
- ★ **Forces separation of logic**

THE MOMENT REDUX CLICKED



 **DEMO**  **=**  **{NOW}**

COMPOSITION

SECTION No.

2



COMPOSITION



- ★ Breaks down the UI to the smallest possible pieces and then build up from there
- ★ Allows you to focus your mind and tests on the simplest building blocks and then build with confidence

 **DEMO**  **=**  **{NOW}**

ES6

SECTION No.

2





CHAPTER No.



CROSS PLATFORM KNOWLEDGE

REACT DOM

SECTION No.

3



REACT NATIVE

SECTION No.

3



NOT TONIGHT'S FOCUS, BUT ...



- ★ React May Have Just Ended the Native vs Web Debate
- ★ React Native - The Killer Feature that Nobody Talks About
- ★ 7 Reasons why React Native is the Future of Hybrid App Development
- ★ React Native is the right way to build apps

USE WHAT YOU KNOW



- ★ The structure of React, Data Flow, etc remains the same
- ★ Think of Views like Components in the DOM
- ★ Easy to expose native functionality



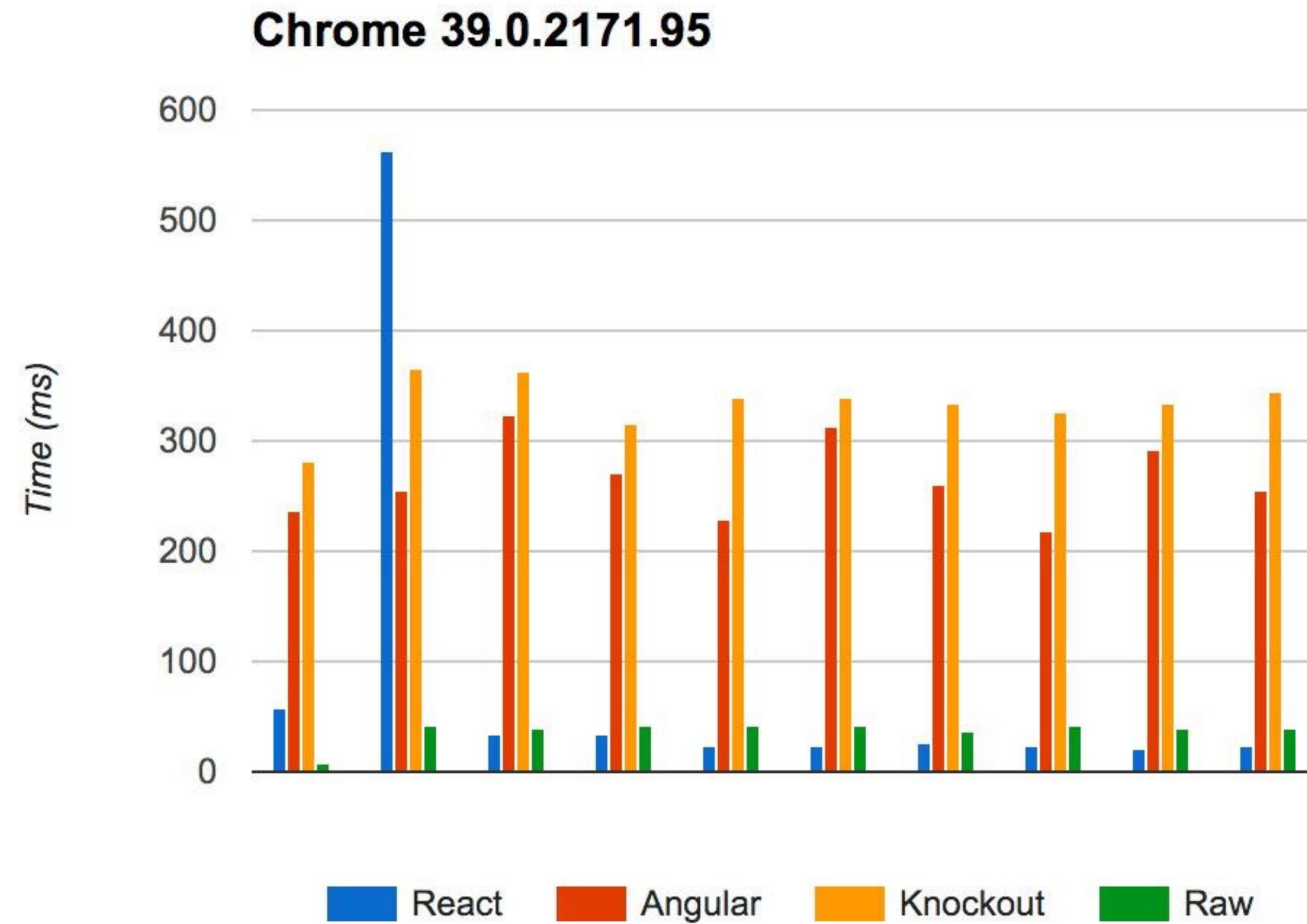
CHAPTER No.



APP SPEED

 **DEMO**  **=**  **{NOW}**

REACT IS FAST



REACT IS FAST—ISH



- ★ Virtual DOM
- ★ Keeping it real: There is a lot of marketing hype



CHAPTER No.



OTHER RESOURCES

RESOURCES



1. <https://github.com/coryhouse/react-slingshot>
2. <https://github.com/enaqx/awesome-react>
3. <http://smashingboxes.com/blog/choosing-a-front-end-framework-angular-ember-react>



"That's all Folks!"