# WEEK-ONE

What’s react, why react, why not others?

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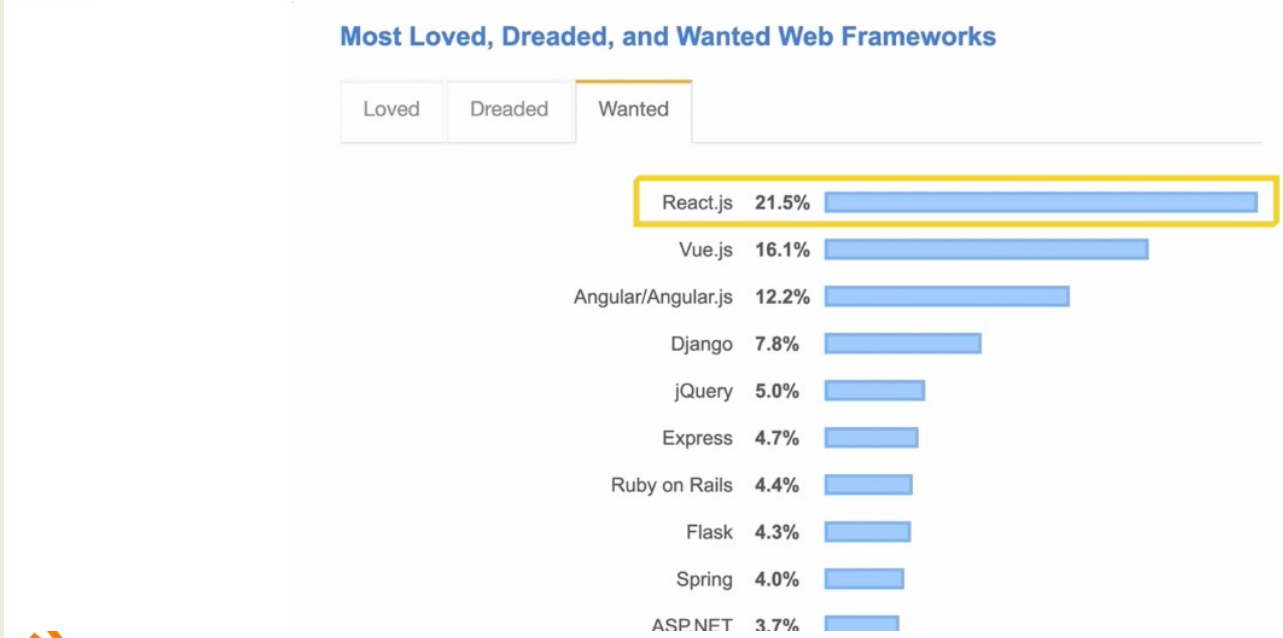
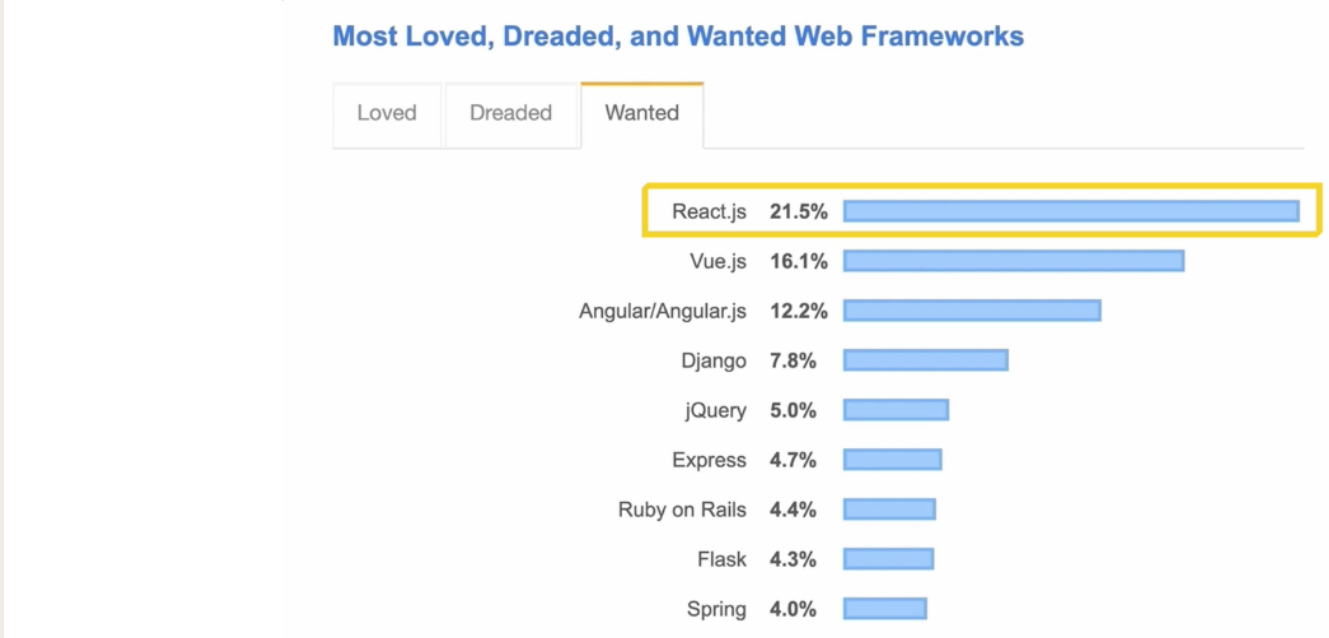
# WHY REACT

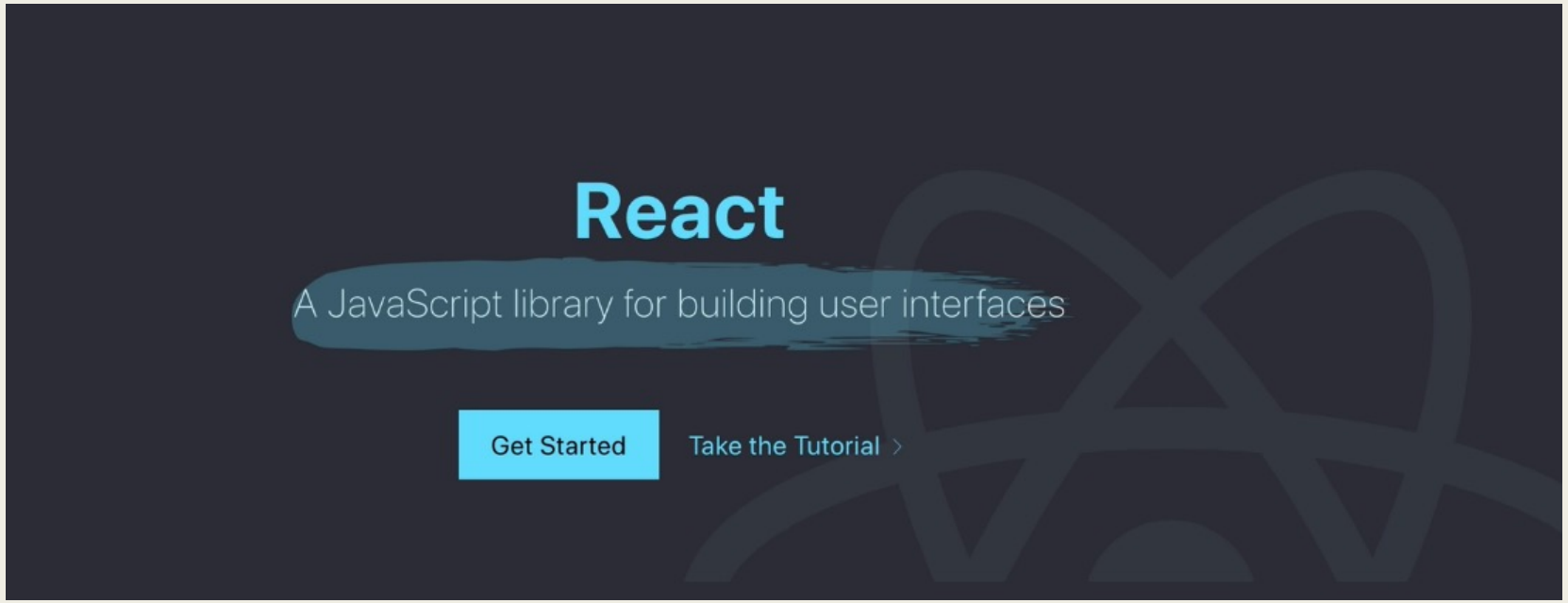
stackoverflow




stackoverflow

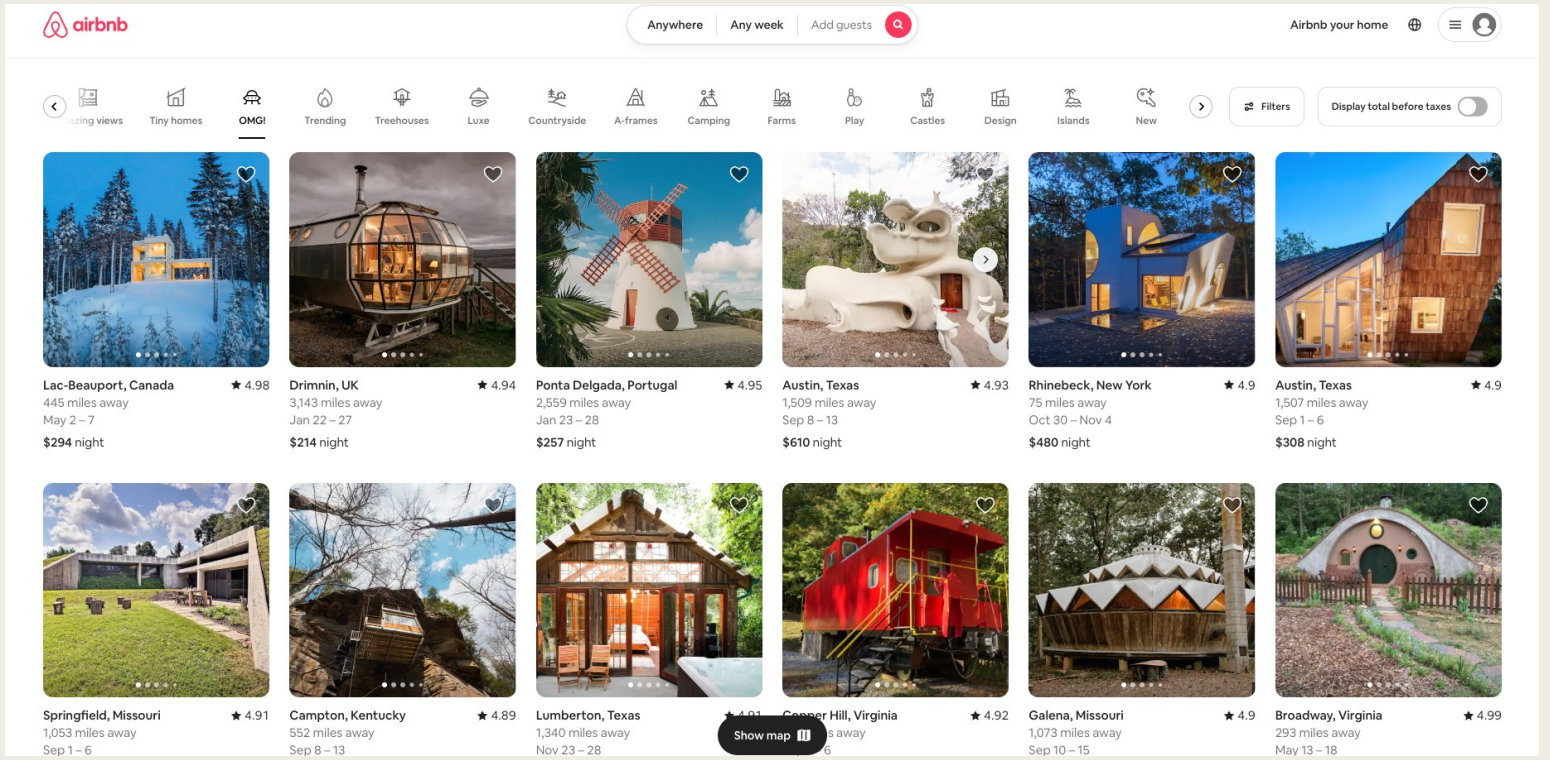


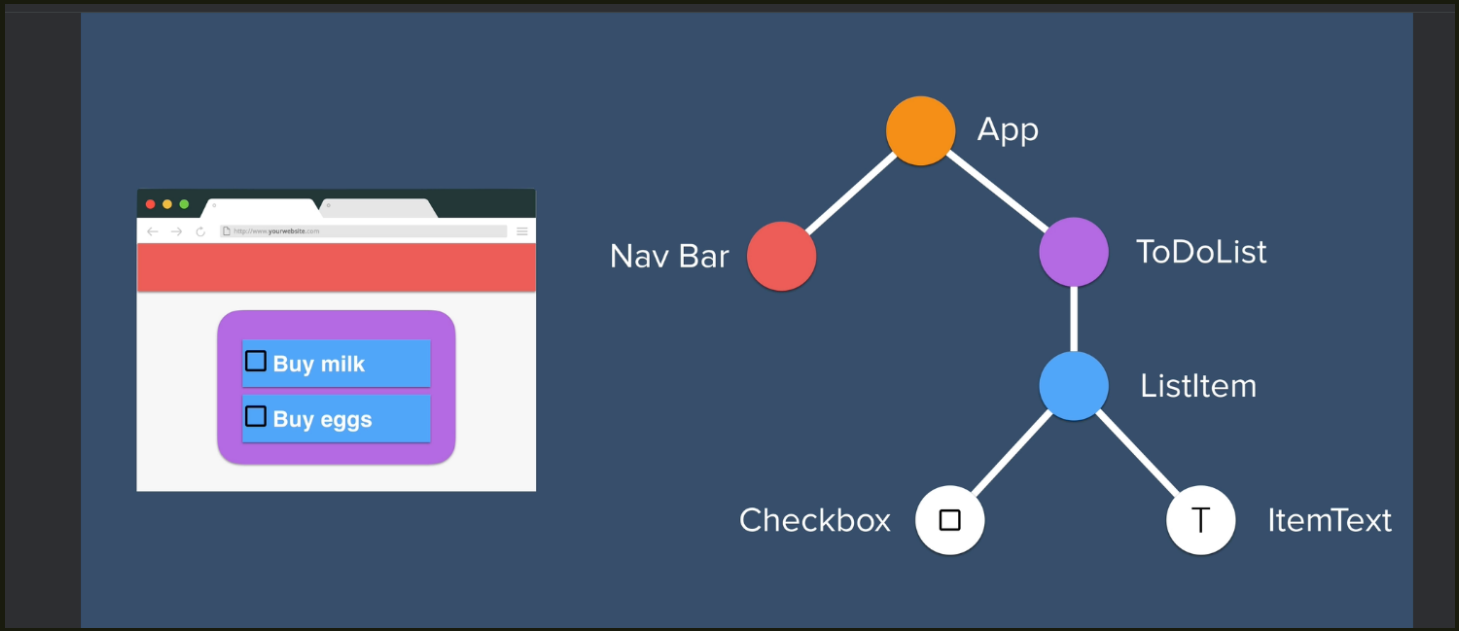
# What is React?




A Front end framework to build UI easier and faster such as Airbnb.com

# Airbnb :

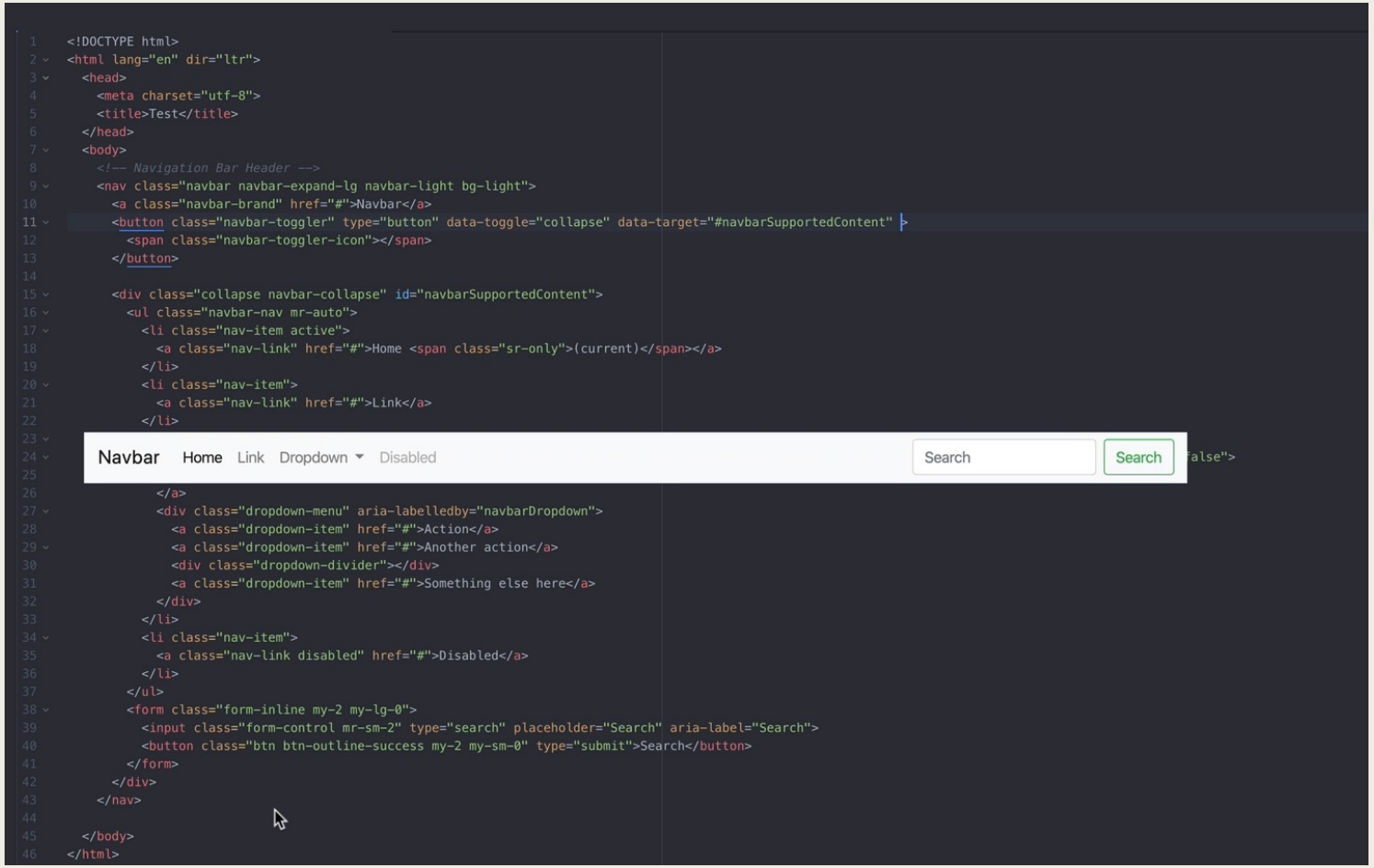

airbnb
Anywhere
Any week
Add guests
Airbnb your home
Tiny homes
OMG!
Trending
Treehouses
Luxe
Countryside
A-frames
Camping
Farms
Play
Castles
Design
Islands
New
Filters
Display total before taxes
Lac-Beauport, Canada ★ 4.98
445 miles away
May 2 – 7
$294 night
Drimnin, UK ★ 4.94
3,143 miles away
Jan 22 – 27
$214 night
Ponta Delgada, Portugal ★ 4.95
2,559 miles away
Jan 23 – 28
$257 night
Austin, Texas ★ 4.93
1,509 miles away
Sep 8 – 13
$610 night
Rhinebeck, New York ★ 4.9
75 miles away
Oct 30 – Nov 4
$480 night
Austin, Texas ★ 4.9
1,507 miles away
Sep 1 – 6
$308 night
Springfield, Missouri ★ 4.91
1,053 miles away
Sep 1 – 6
Campton, Kentucky ★ 4.89
552 miles away
Sep 8 – 13
Lumberton, Texas
1,340 miles away
Nov 23 – 28
Show map
Galena, Missouri ★ 4.9
1,073 miles away
Sep 10 – 15
Broadway, Virginia ★ 4.99
293 miles away
May 13 – 18




# BREAKING DOWN COMPLEX UI STRUCTURE INTO A COMPONENT TREE WHICH CAN BE REUSED AND CUSTOMIZED.

# Bootstrap vs React

- Think of creating a nav bar
- Organization the code
- Difficult if things goes wrong.

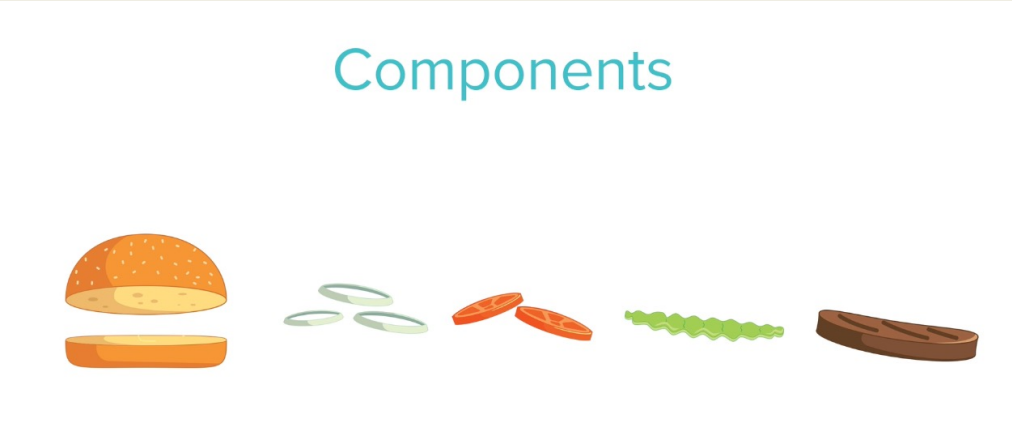


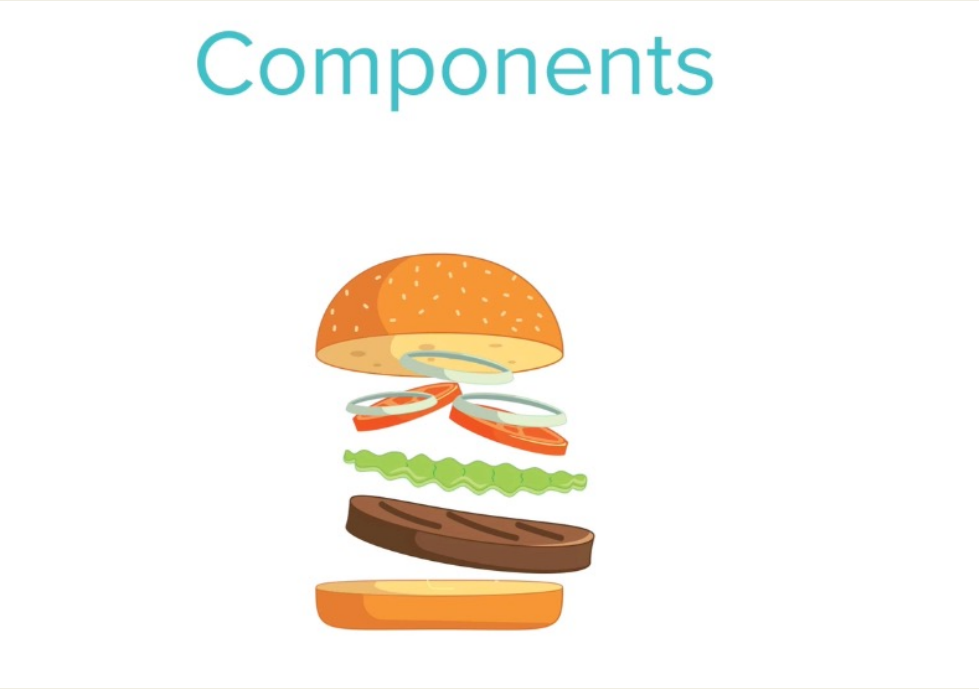
# React web page

- It’s like creating our own HTML elements
- Incredibly clean, reusable and modular.
- Provides scalability for large and complex codebase.

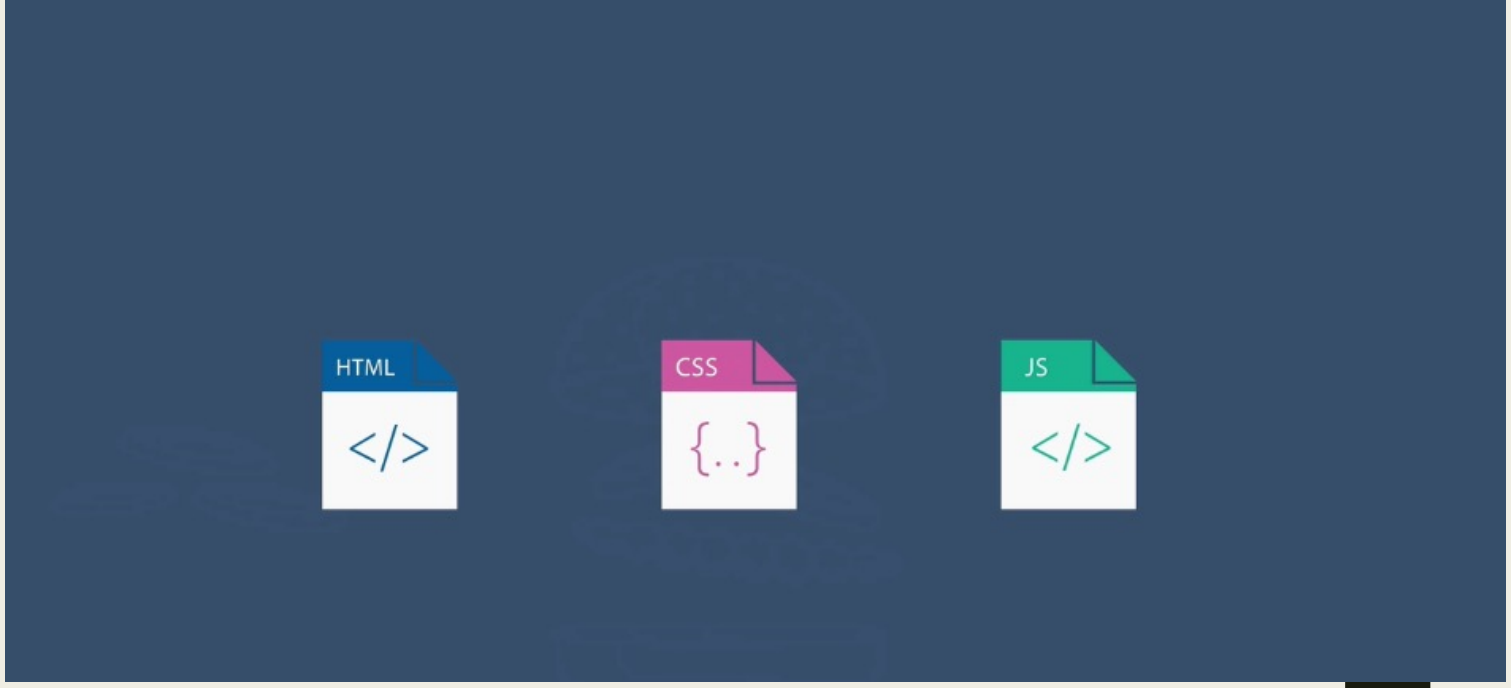
# Making a burger using ‘components’

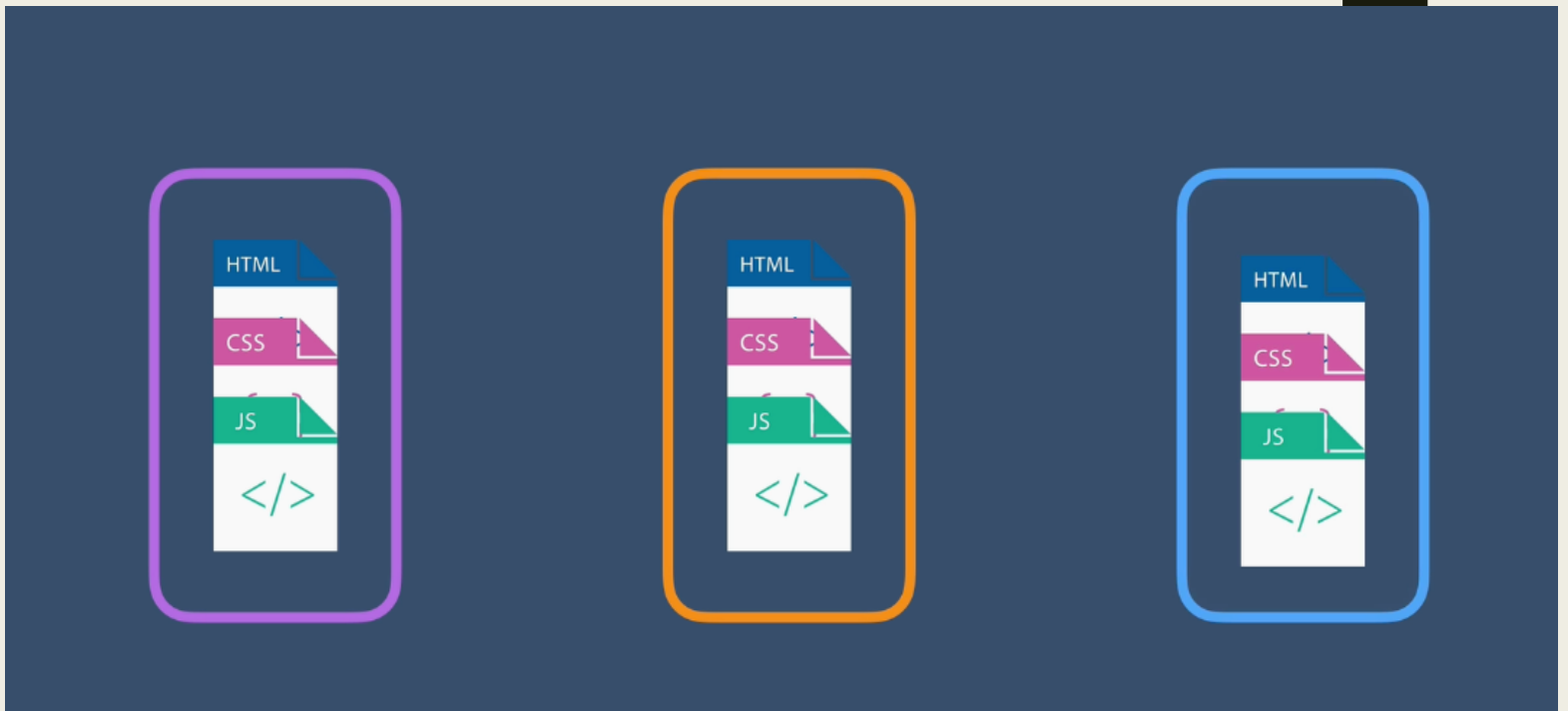
- Change on your need.



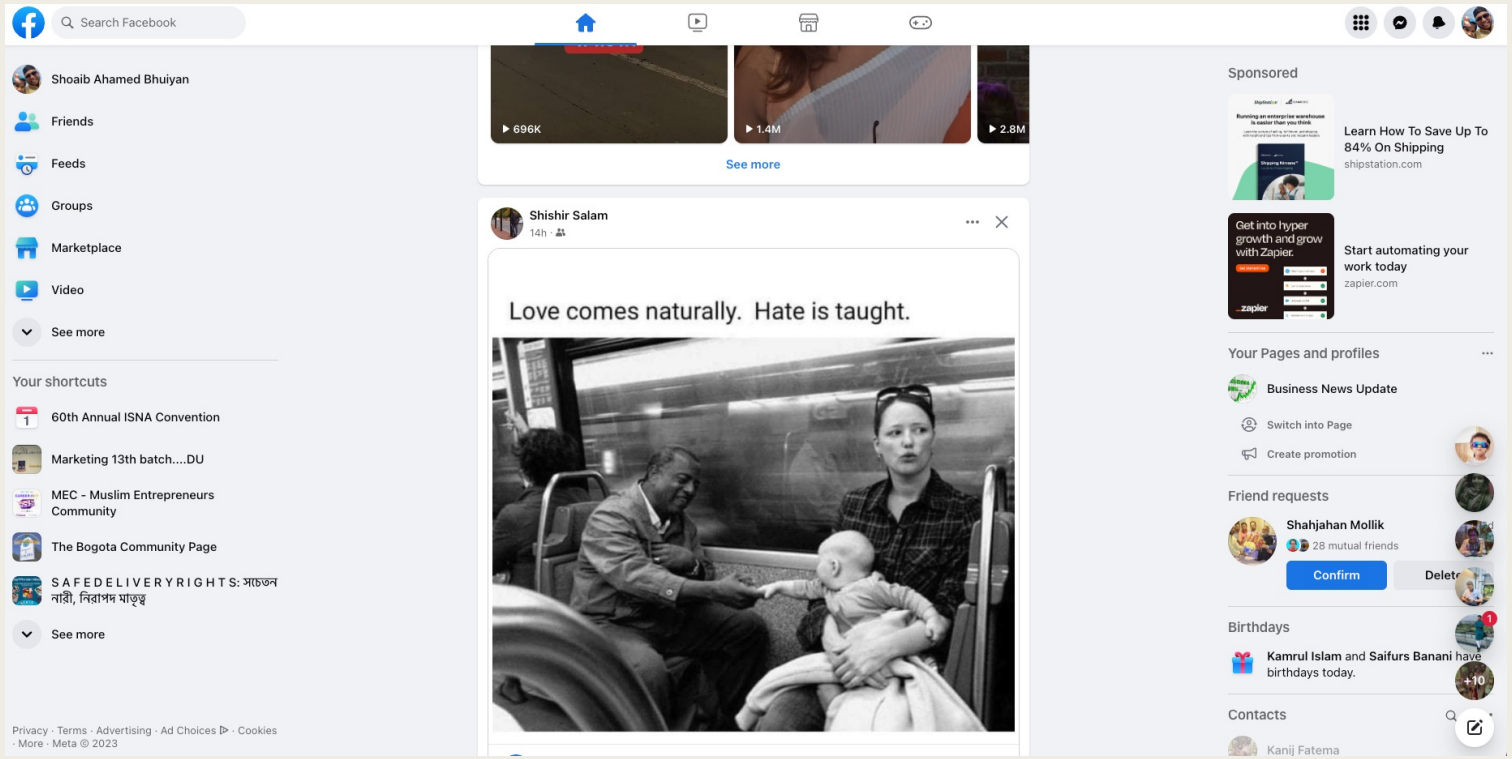



# SEPARATE FILES VS SMALL COMPONENTS



# NEWS FEED OF FACEBOOK, TWITTER

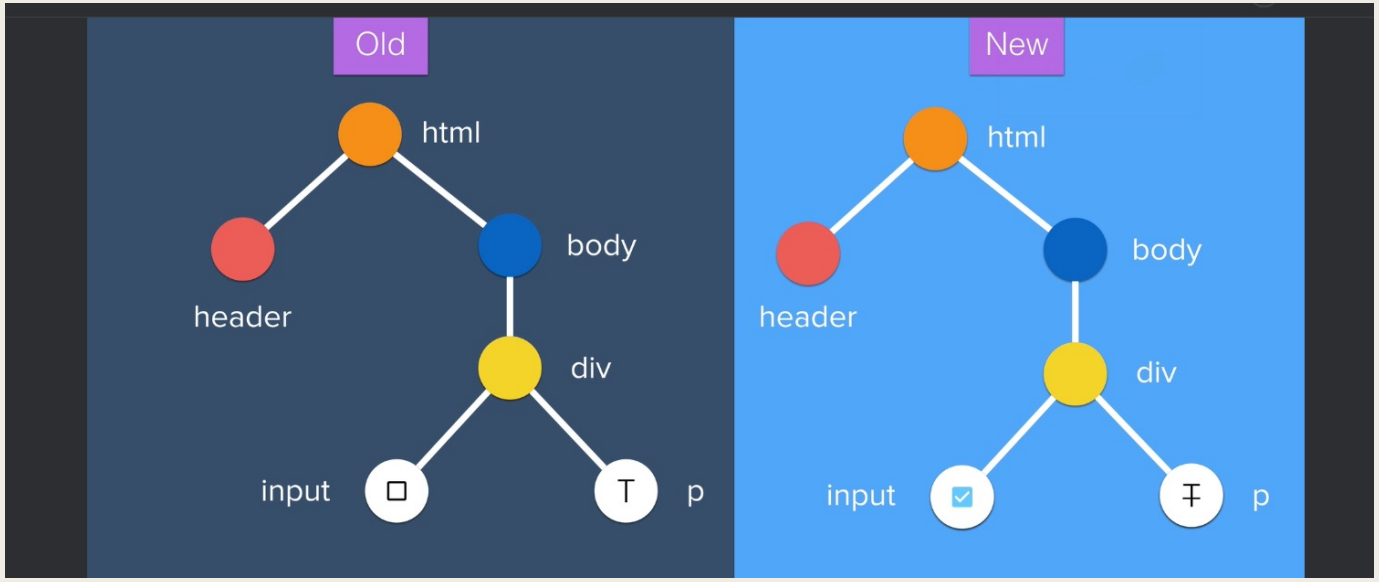


# OLD FACEBOOK

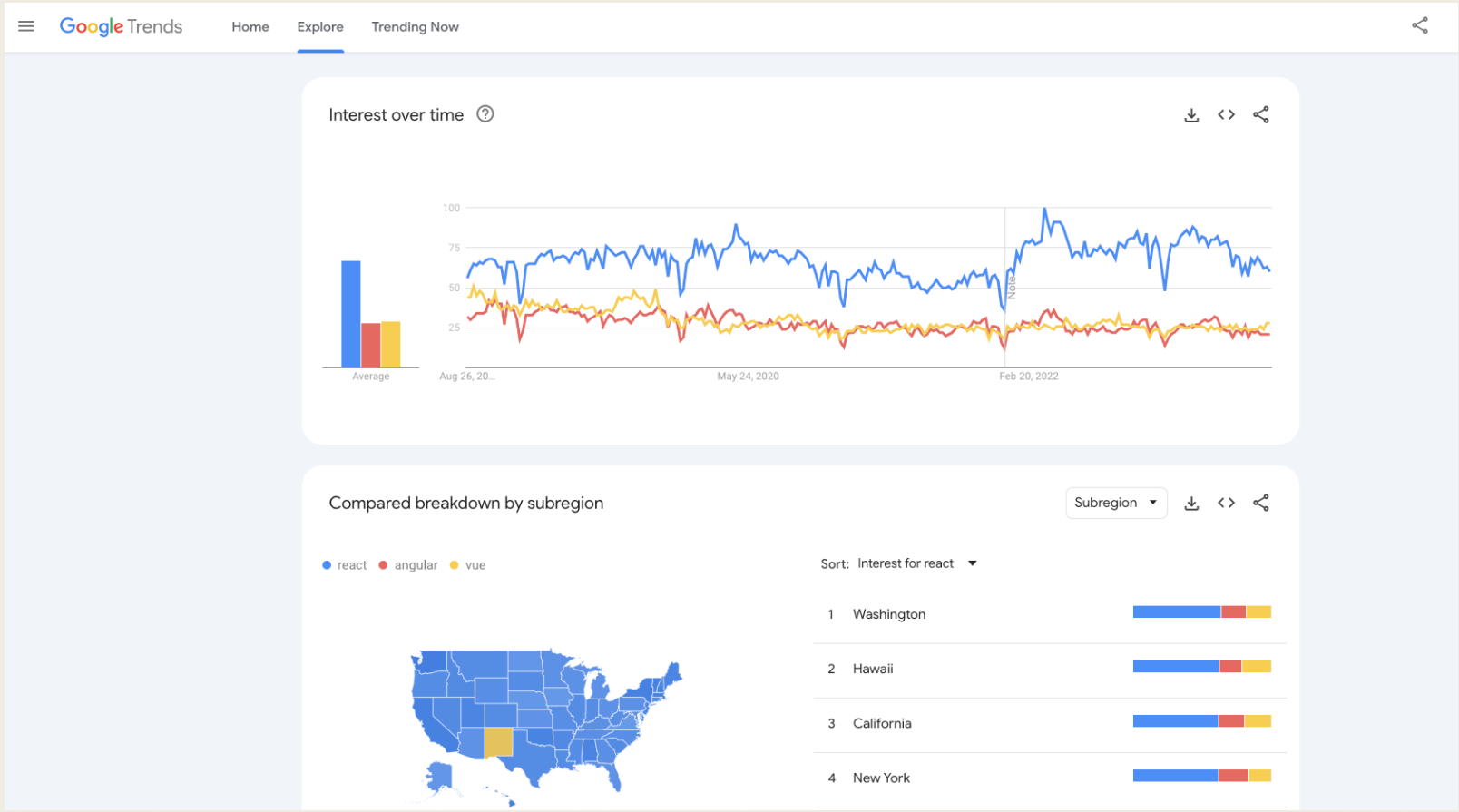
- How did the new friend request work?
- Now a days it's just a notification.
- Just newsfeed components needs to updated, rest remains the same.

# Efficient re-rendering

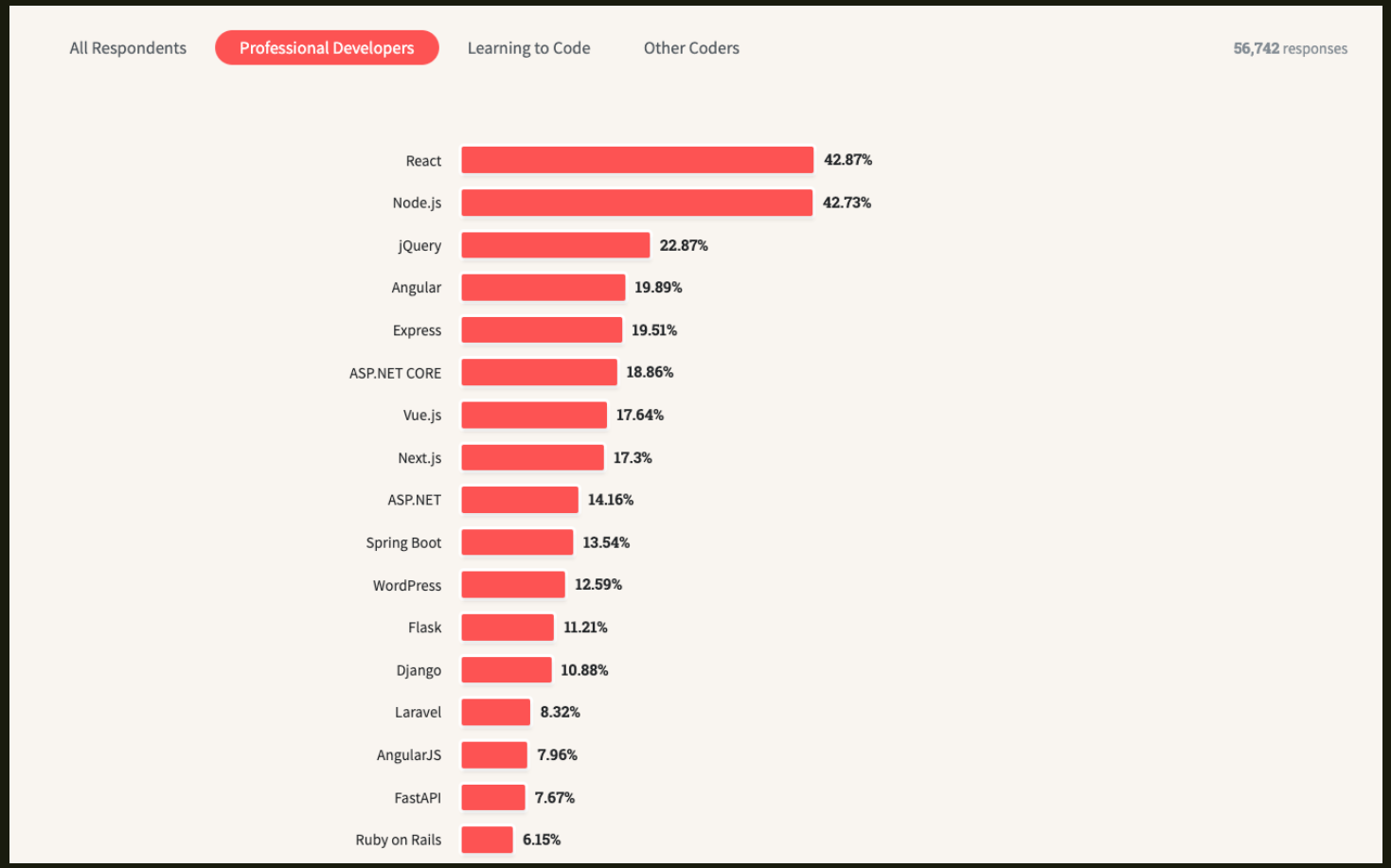
- Re-render on comparing changes.
- New data appears or user inputs etc, React comparers new version of DOM tree with the old version of DOM tree and spot the difference.
- Makes it interactive and faster.



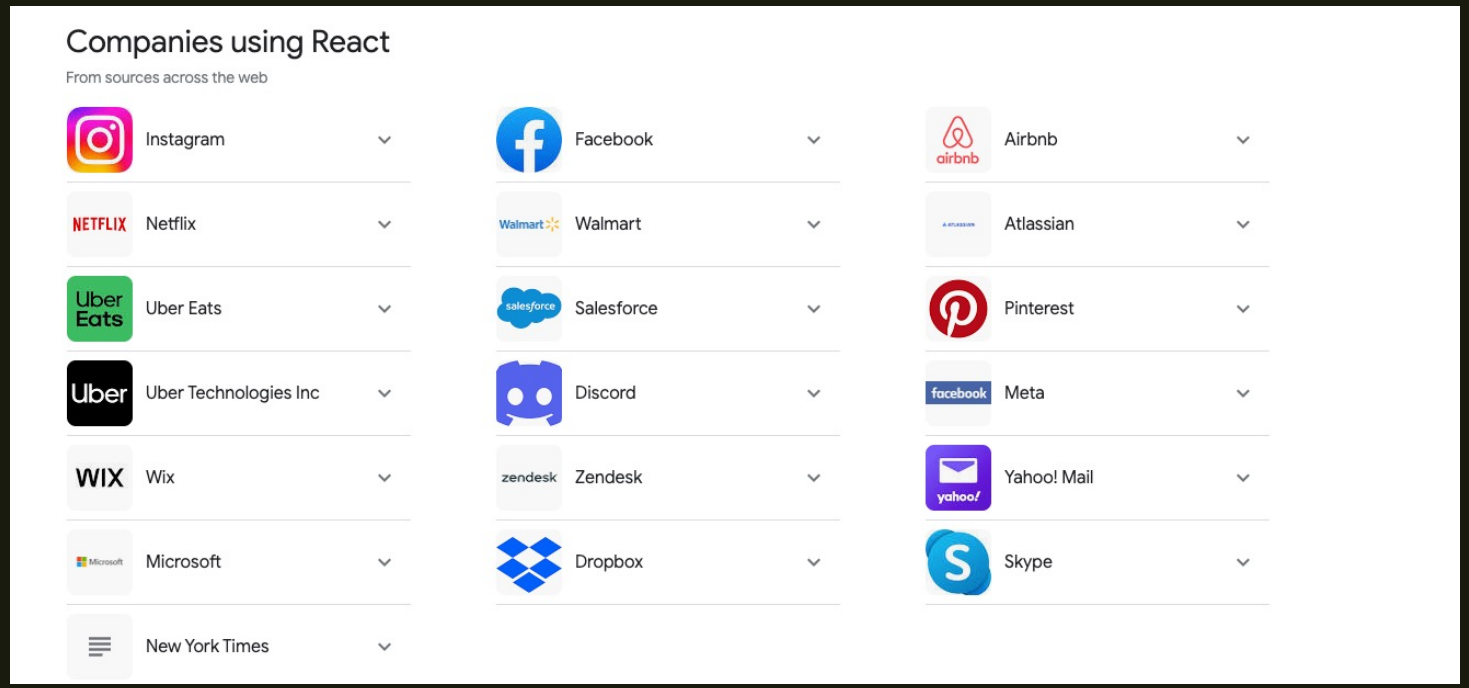
# Why not Angular or Vue?



# USERS


All Respondents
Professional Developers
Learning to Code
Other Coders
56,742 responses
React 42.87%
Node.js 42.73%
jQuery 22.87%
Angular 19.89%
Express 19.51%
ASP.NET CORE 18.86%
Vue.js 17.64%
Next.js 17.3%
ASP.NET 14.16%
Spring Boot 13.54%
WordPress 12.59%
Flask 11.21%
Django 10.88%
Laravel 8.32%
AngularJS 7.96%
FastAPI 7.67%
Ruby on Rails 6.15%

# COMPANIES THAT USES REACT



# And React brings a lot of job offers with much $$

# Materials credit : Our gratitude to

- App Brewery
- Udemy
- Programming Hero
- Youtube
- Github