React Fundamentals

React Introduction

DevelopIntelligence
A PLURALSIGHT COMPANY

Topics

- Modern Web Landscape
- What is React?
- React vs Other Libraries / Frameworks
- Getting Started with React

React Introduction

Modern Web Landscape

Looking Back

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- **Regional** - - *Countries, Regions, U.S. States, ...*
- **Science** - - *CS, Biology, Astronomy, Engineering, ...*
- **Social Science** - - *Anthropology, Sociology, Economics, ...*
- **Society and Culture** - - *People, Environment, Religion, ...*

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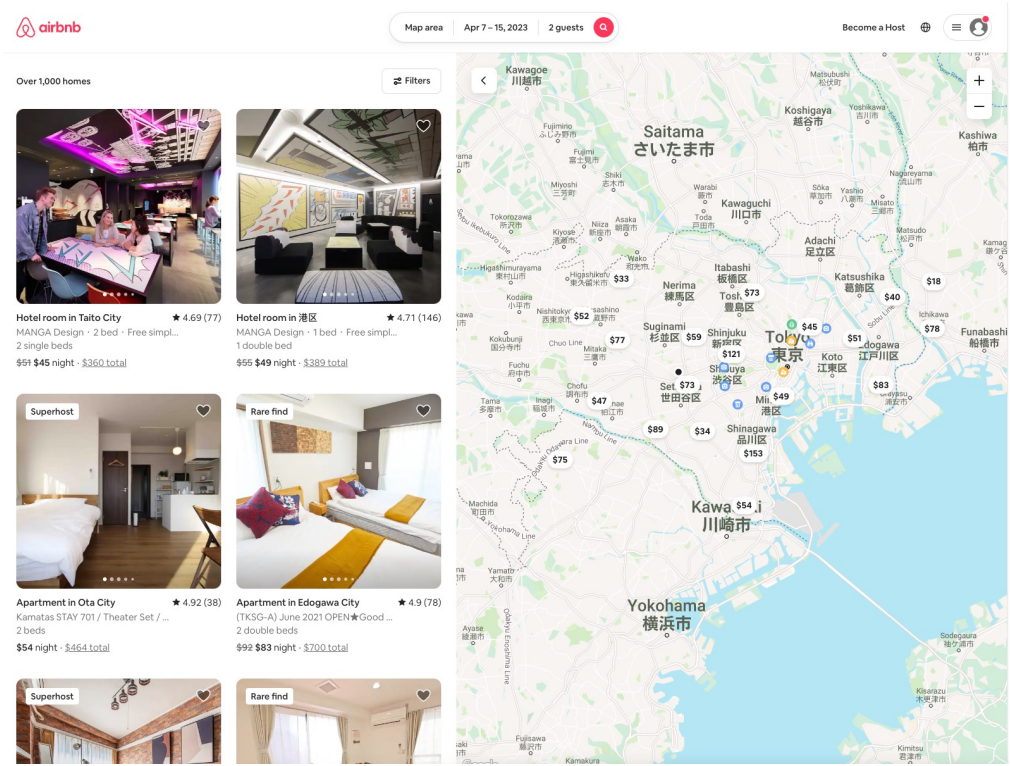
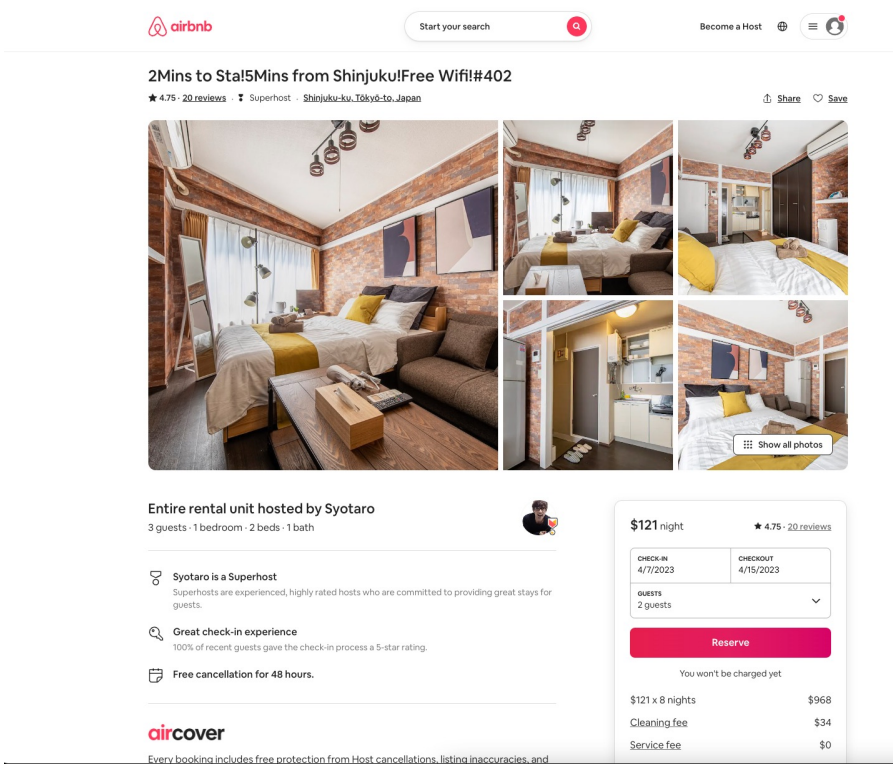
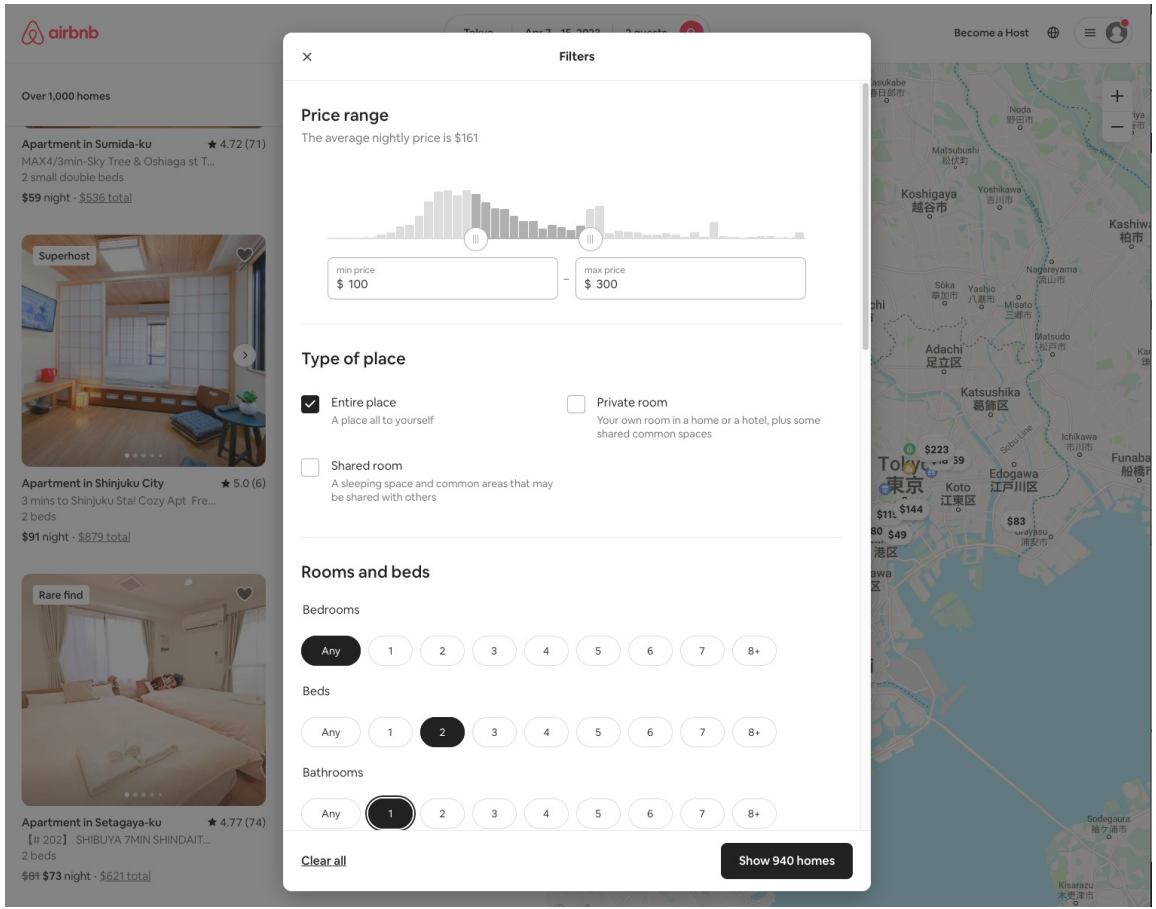
But now…


airbnb
Map area
Apr 7 – 15, 2023
2 guests
Become a Host
Over 1,000 homes
Filters
Hotel room in Taito City
★ 4.69 (77)
MANGA Design · 2 bed · Free simpl...
2 single beds
$51 $45 night · $360 total
Hotel room in 港区
★ 4.71 (146)
MANGA Design · 1 bed · Free simpl...
1 double bed
$55 $49 night · $389 total
Superhost
Rare find
Apartment in Ota City
★ 4.92 (38)
Kamatas STAY 701 / Theater Set / ...
2 beds
$54 night · $464 total
Apartment in Edogawa City
★ 4.9 (78)
(TKSG-A) June 2021 OPEN★Good ...
2 double beds
$92 $83 night · $700 total
Superhost
Rare find
Saitama
さいたま市
Kawaguchi
川口市
Tokyo
東京
Yokohama
横浜市
Kawa
川崎市


airbnb
Start your search
Become a Host
2Mins to Sta!5Mins from Shinjuku!Free Wifi!#402
★ 4.75 · 20 reviews · Superhost · Shinjuku-ku, Tōkyō-to, Japan
Share
Save
Show all photos
Entire rental unit hosted by Syotaro
3 guests · 1 bedroom · 2 beds · 1 bath
Syotaro is a Superhost
Superhosts are experienced, highly rated hosts who are committed to providing great stays for guests.
Great check-in experience
100% of recent guests gave the check-in process a 5-star rating.
Free cancellation for 48 hours.
aircover
Every booking includes free protection from Host cancellations, listing inaccuracies, and
$121 night
★ 4.75 · 20 reviews
CHECK-IN
4/7/2023
CHECKOUT
4/15/2023
GUESTS
2 guests
Reserve
You won't be charged yet
$121 x 8 nights $968
Cleaning fee $34
Service fee $0

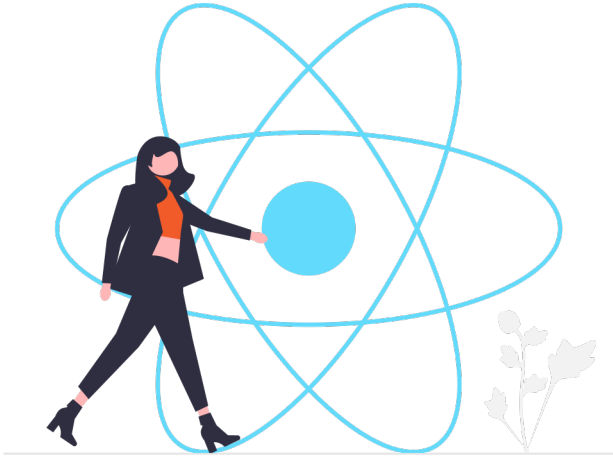

airbnb
Become a Host
Over 1,000 homes
Apartment in Sumida-ku
★ 4.72 (71)
MAX4/3min-Sky Tree & Oshiaga st T...
2 small double beds
$59 night · $536 total
Superhost
Apartment in Shinjuku City
★ 5.0 (6)
3 mins to Shinjuku Sta! Cozy Apt Fre...
2 beds
$91 night · $879 total
Rare find
Apartment in Setagaya-ku
★ 4.77 (74)
【# 202】 SHIBUYA 7MIN SHINDAIT...
2 beds
$81 $73 night · $621 total
Filters
Price range
The average nightly price is $161
min price
$ 100
max price
$ 300
Type of place
Entire place
A place all to yourself
Private room
Your own room in a home or a hotel, plus some shared common spaces
Shared room
A sleeping space and common areas that may be shared with others
Rooms and beds
Bedrooms
Any 1 2 3 4 5 6 7 8+
Beds
Any 1 2 3 4 5 6 7 8+
Bathrooms
Any 1 2 3 4 5 6 7 8+
Clear all
Show 940 homes
Koshigaya 越谷市
Adachi 足立区
Katsushika 葛飾区
Edogawa 江戸川区
Koto 江東区
Tokyo 東京
$223
$144
$83
$49

React Introduction

What is React.js?

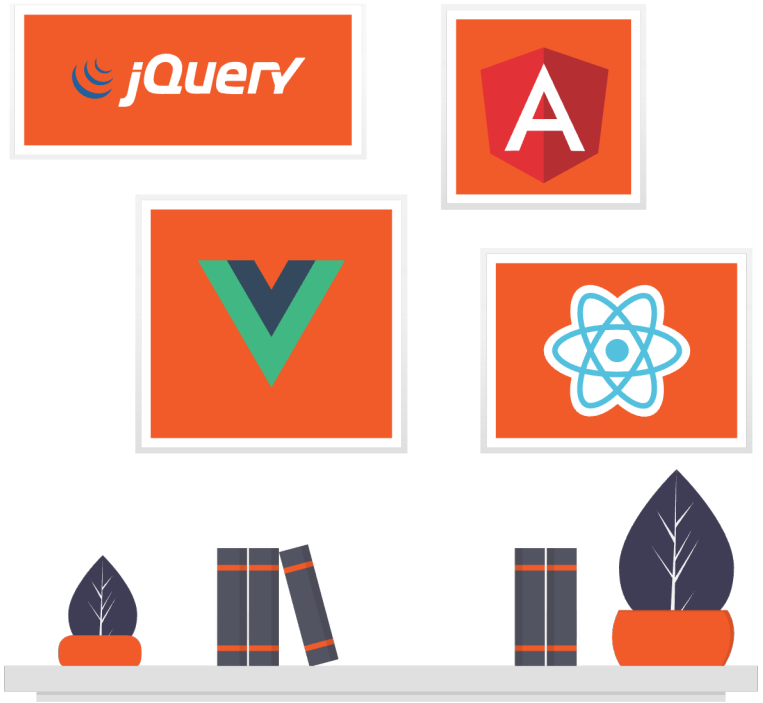
What is React.js?

- React is a JavaScript **library** for building interactive user interfaces
- Developed by Facebook, released as open-source software in 2013
- Has quickly become one of the most popular tools for building robust, interactive web applications

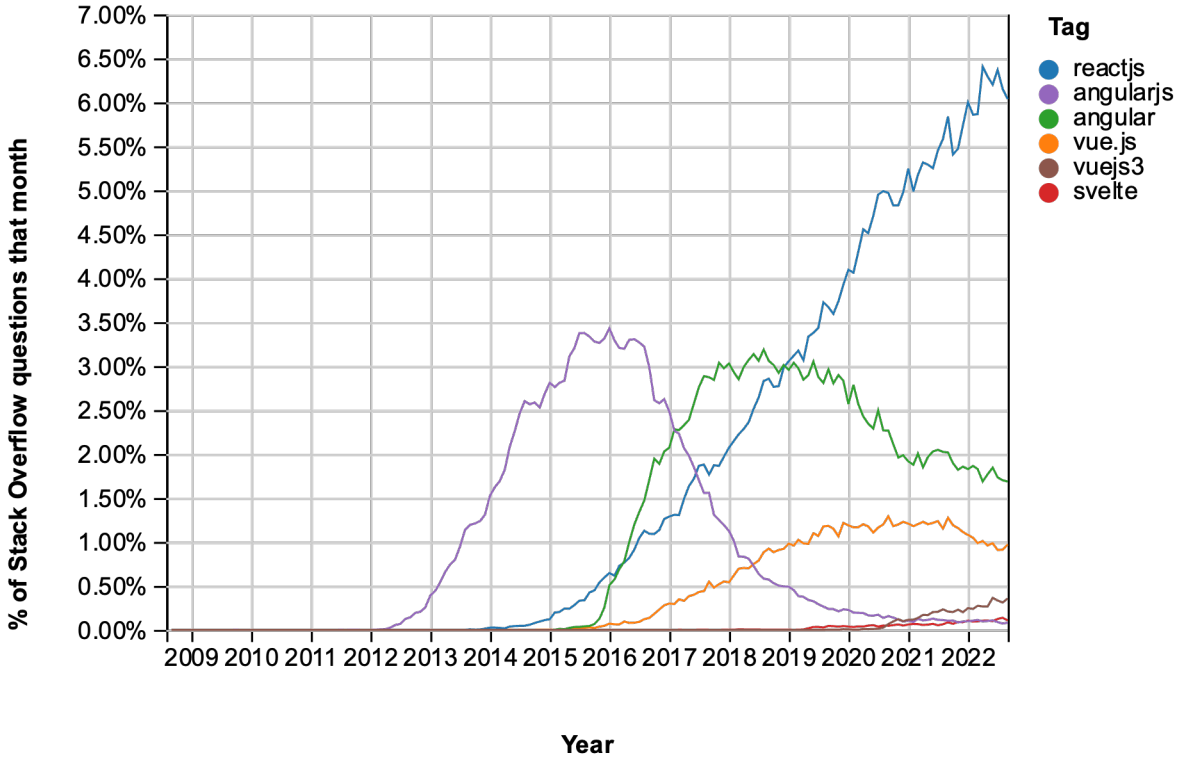


What about Angular and Vue?

- Angular and Vue are **Frameworks**
- Frameworks include more out-of-the-box tools for developing complete web applications (routing, testing)
- Comparatively, React is *less opinionated* about how you construct your apps



% of Stack Overflow Questions



Who is using React?

- Facebook
- Instagram
- Whatsapp
- Airbnb
- Discord
- Dropbox
- Atlassian
- Netflix
- Reddit
- Venmo

Why use React?

- Flexible (unopinionated library)
- Fast DOM updates
- Build reusable components
- Strong community support
- Easy to learn

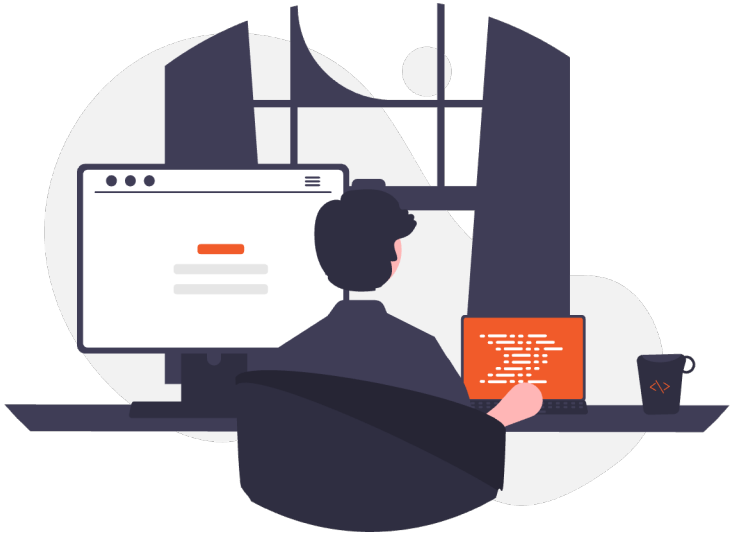
React Introduction

Getting Started with React

Getting Started with React

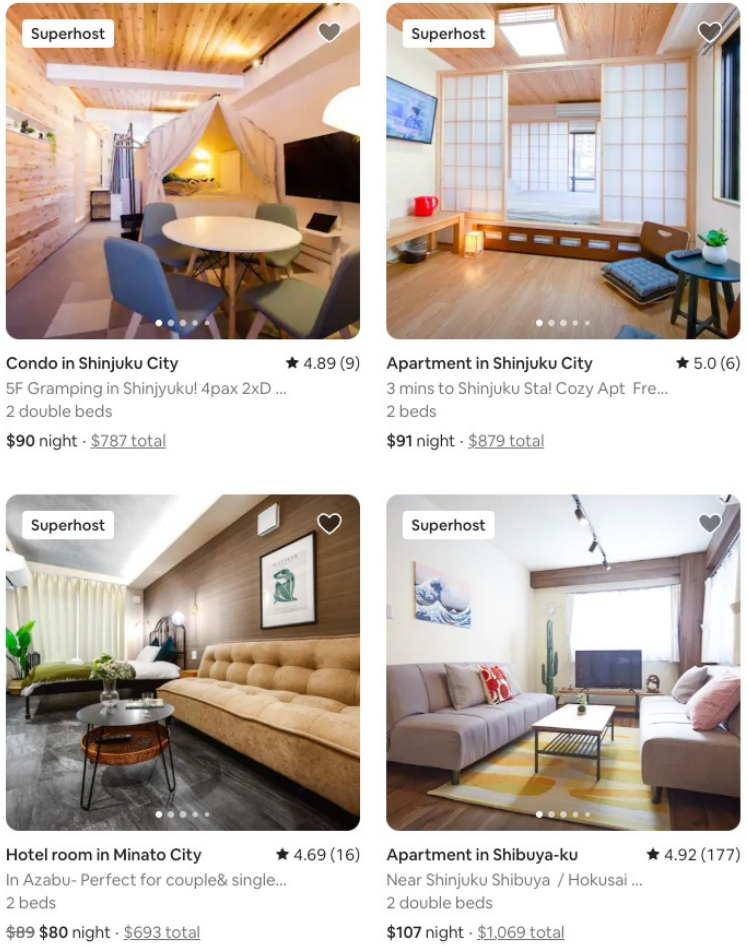
- Typically, developers will initialize new projects using a generator such Create React App

- A minimum version of React can be added to an HTML page via CDN



What's a Component?

- Encapsulated piece of code
- Responsible for rendering a specific portion of the page
- Can contain other 'child' components rendered inside



JSX (JavaScript Syntax Extension)

- An HTML-like syntax for creating components
- Allows the use of embedded JS expressions
- Not included in base React library
- Not required, but recommended!

Let’s try it!

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