

# Front-end Web Development





# Agenda

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- Introduction
- Web Development
- Front-end Web Developer Roadmap
- Learning Resources/Recommendations
- HTML, CSS, JavaScript
- Web Publishing
- Demo and Challenge
- Bonus

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# Introduction

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# Hello!

*I am **Đĩnh Nguyễn***

- Functional Manager, FPT Telecom
- Interests in Project Management, Business Analysis, Coding, Badminton, Food, Travel.
- I am here because I love to give presentations.

***Your turn:** Introduce Yourself*

Your name?, your interest?, and why are you here?



## Did you know?

<https://youtu.be/TwtS6Jy3ll8>



# 30 billion

The number of internet devices

# 5.9 billion

The number of search on Google every day

# 67%

Millennials say they can find a Youtube video on anything they want to learn



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# Web Development

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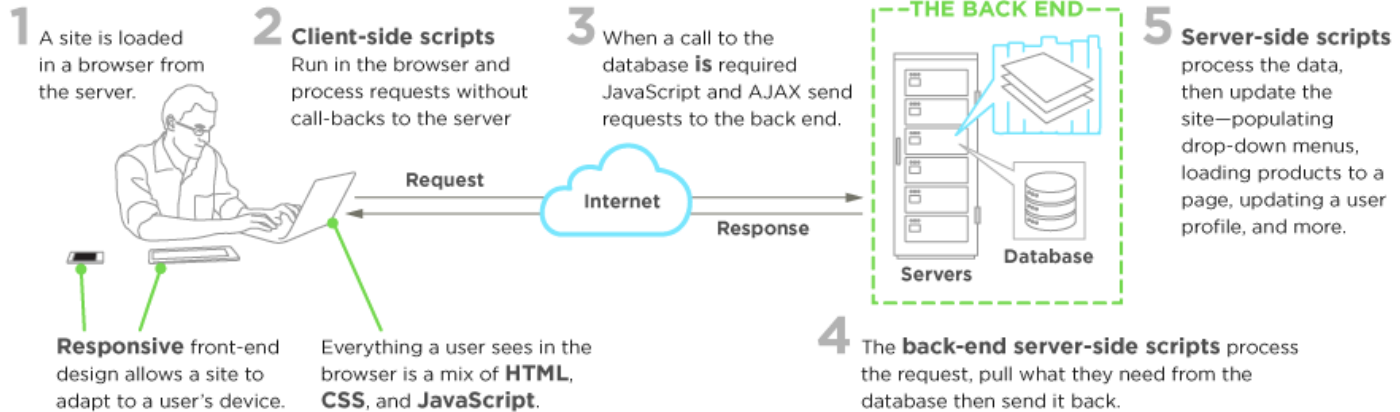


# Web Development

Front-end  
Development

Back-end  
Development

Full-stack  
Development







## Front-end Job Description

### Requirements

- Thành thạo HTML, CSS, Bootstrap và JavaScript.
- Hiểu rõ quá trình phát triển web (thiết kế, phát triển và thực thi)
- Có kiến thức cơ bản về UX/UI

### Description

Xây dựng giao diện cho các chức năng của website.

Phối hợp các bên liên quan xây dựng UI/UX

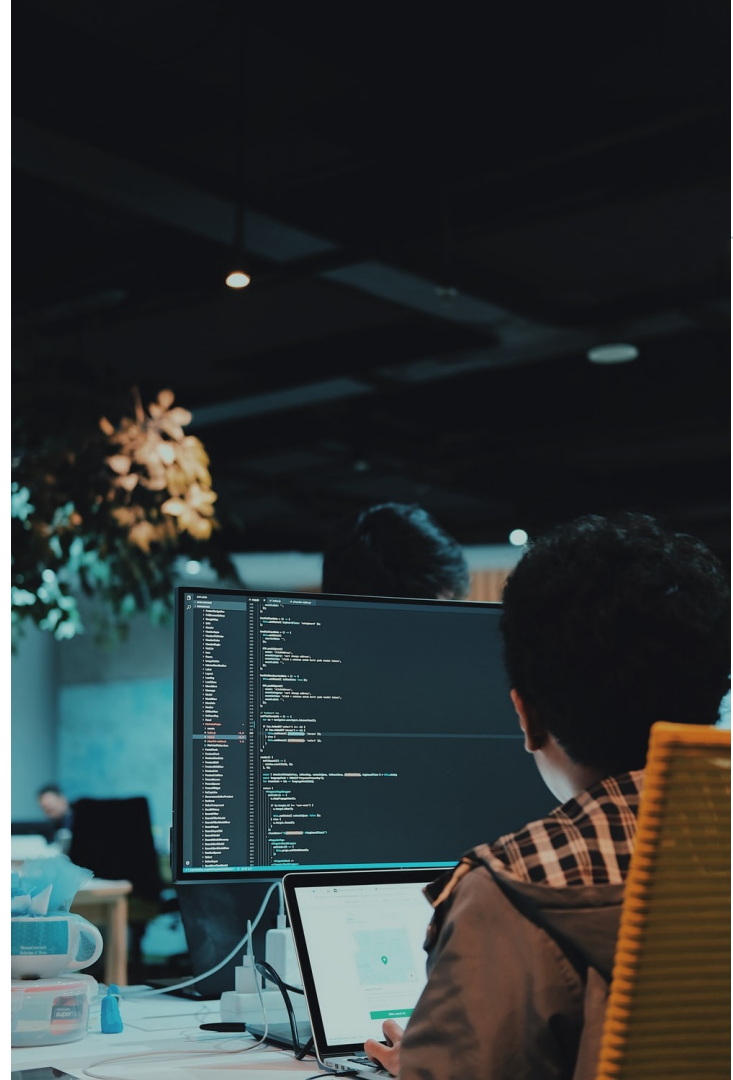
Đảm bảo độ tương thích giao diện trên các thiết bị khác nhau



# Back-end and Full-stack Developer?

Back-end Developer

Full-stack Developer





# Web Developer Survey

Which one of these roles are you most interested in?

6696 out of 15624 people answered this question



Image source: <https://medium.freecodecamp.com/we-asked-15-000-people-who-they-are-and-how-theyre-learning-to-code-4104e29b2781-ngcpn8nlz>



# Web Developer Survey (cont.)



## Developer Roles

### Developer Type

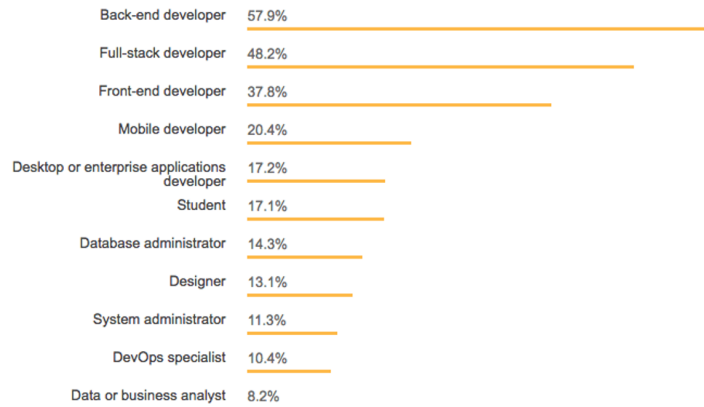


Image source: <https://insights.stackoverflow.com/survey/2019/-/developer-roles>

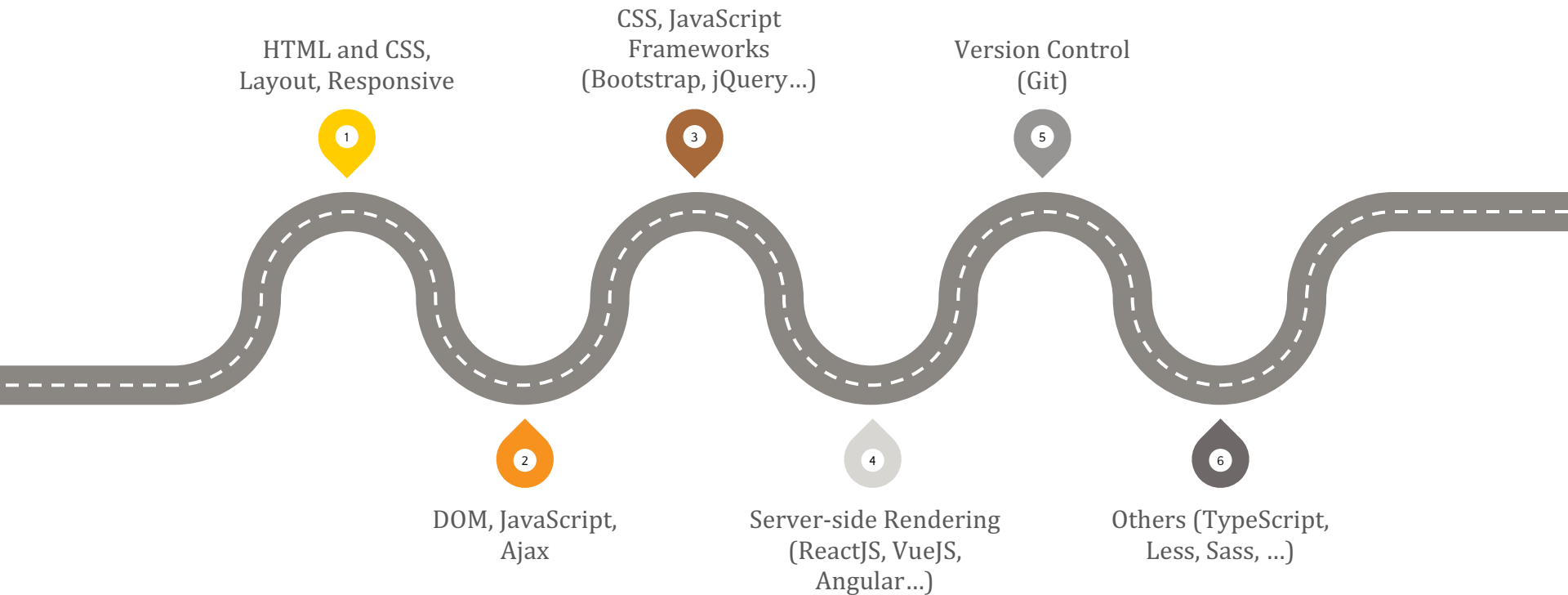
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# Front-end Web Development Roadmap

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# Developer Roadmap





# Front-end Web Developer Salaries

## MỨC LƯƠNG LẬP TRÌNH VIÊN @VỊ TRÍ

2021 VIETNAM IT MARKET REPORT  
Developers Recruitment State

### MỨC LƯƠNG LẬP TRÌNH VIÊN THEO VỊ TRÍ

Tech Manangement (CTO, CIO)	\$5.776	Scrum Master	\$1.927	Game Developer	\$1.215
Technical Director/Engineering Manager	\$4.165	Project Manager	\$1.820	iOS Developer	\$1.190
Solutions Architect	\$4.069	Data Engineer	\$1.737	Android Developer	\$1.125
Technical Architect	\$3.959	Cybersecurity Engineer	\$1.736	Product Manager	\$1.001
IT Manager	\$3.768	Embedded Developer	\$1.715	IT Business Analyst	\$966
Cloud Architect	\$3.121	Database Developer	\$1.701	UX/UI Designer	\$917
Machine Learning/AI Engineer	\$3.054	Big Data Engineer	\$1.695	Frontend Developer	\$912
Bridge System Engineer	\$2.234	Fullstack Developer	\$1.348	QA/ QC	\$706
DevOps Engineer	\$2.057	System Administrator	\$1.338	Tester	\$508
Data Scientist	\$2.032	Backend Developer	\$1.300	Technical Support	\$362
				IT Helpdesk	\$322

Image source: [https://topdev.vn/TopDev\\_VietnamITMarketReport\\_DRS\\_2021.pdf](https://topdev.vn/TopDev_VietnamITMarketReport_DRS_2021.pdf)

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# Learning Resources/Recom mendations





## Learning Resources

### **My Graduation Speech:**

**I would like to thank..**



**The Internet, Google,  
Wikipedia, Microsoft Word  
and whoever invented  
copy and paste. Thank you.**



## Learning Resources

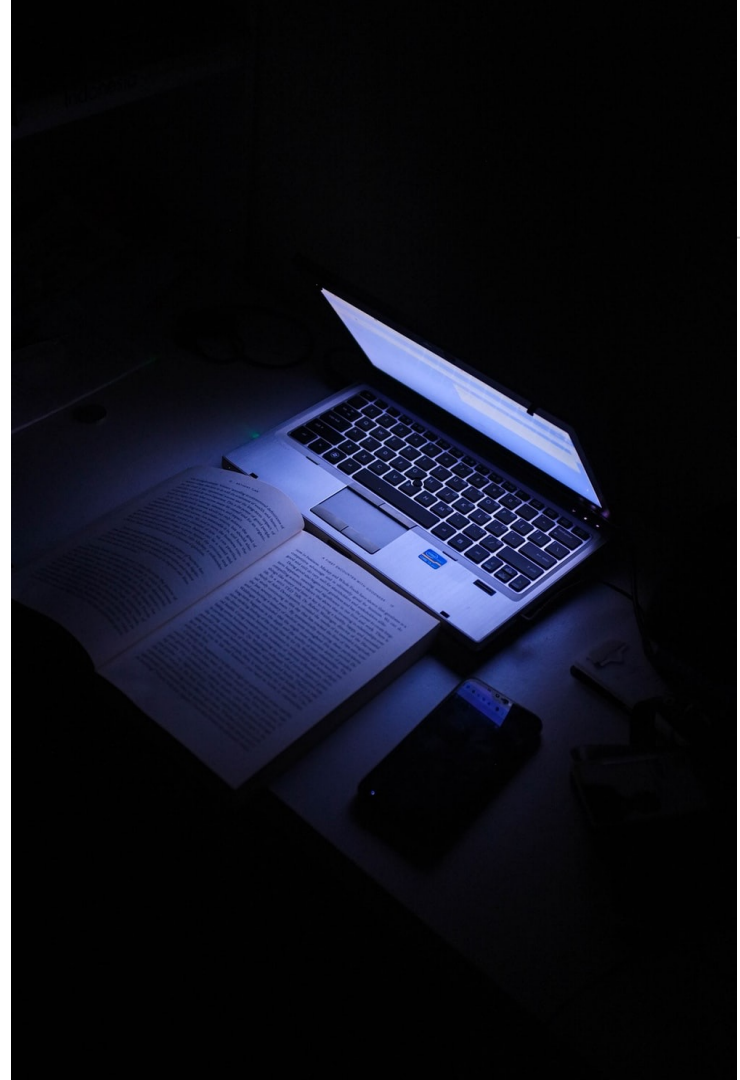
### Self Directed Resources

Internet, Google, Youtube, Book

### Instructor Directed Resources

Offline, MOOC (Udemy, Coursera,  
LinkedIn Learning), Intern

(Demo)



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# HTML, CSS and JavaScript



# Front-end Rendering

Front-end  
= HTML +  
CSS +  
JavaScript

[Web Development \(slideshare.net\)](https://www.slideshare.net)

## HTML

To structure web pages

## CSS

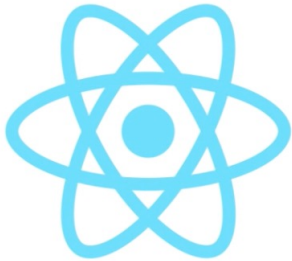
To make them beautiful

## JavaScript

To program them



## Back-end Rendering



**REACT**



**ANGULAR**



**VUE**

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# Web Publishing

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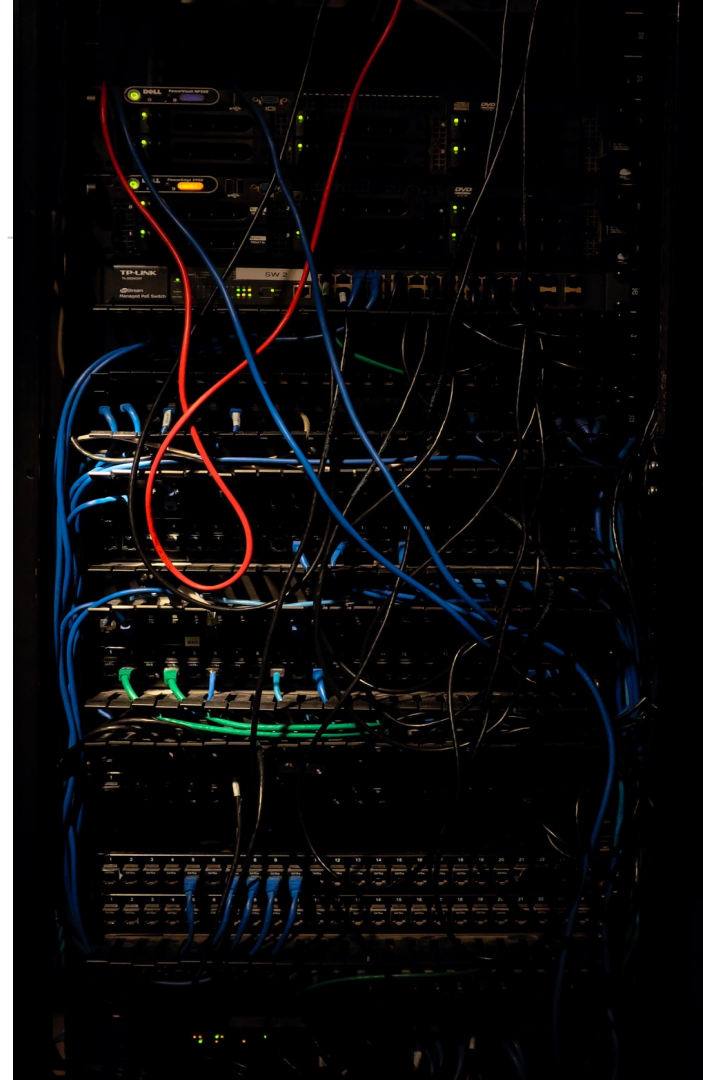
## Domain, Hosting

### Static web hosting

- github, aws s3, dropbox, ...

### Dynamic web hosting

- 000webhostapp, Heroku, ...



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## Demo and Challenge





# Code Editor Tools



## Development Environments and Tools

### Most Popular Development Environments

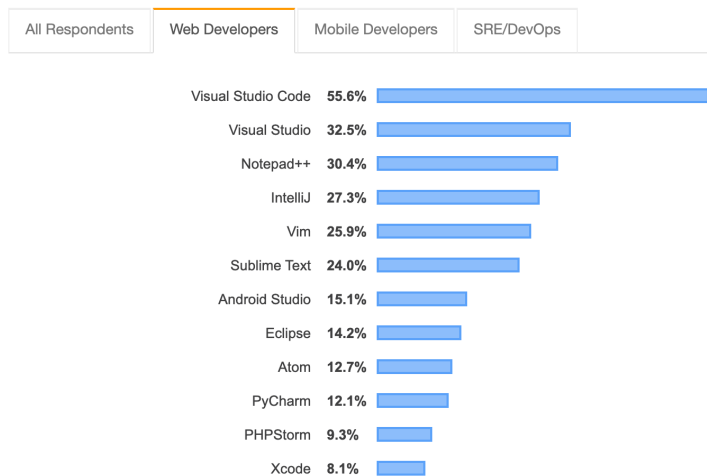
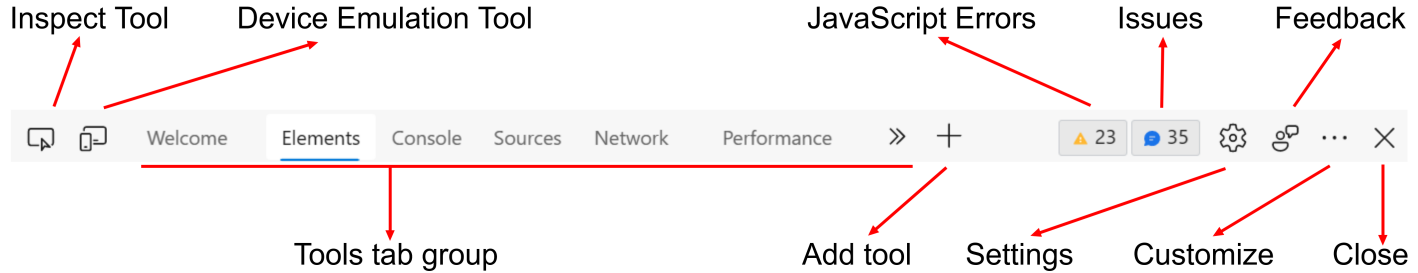


Image source: <https://insights.stackoverflow.com/survey/2019/-development-environments-and-tools>

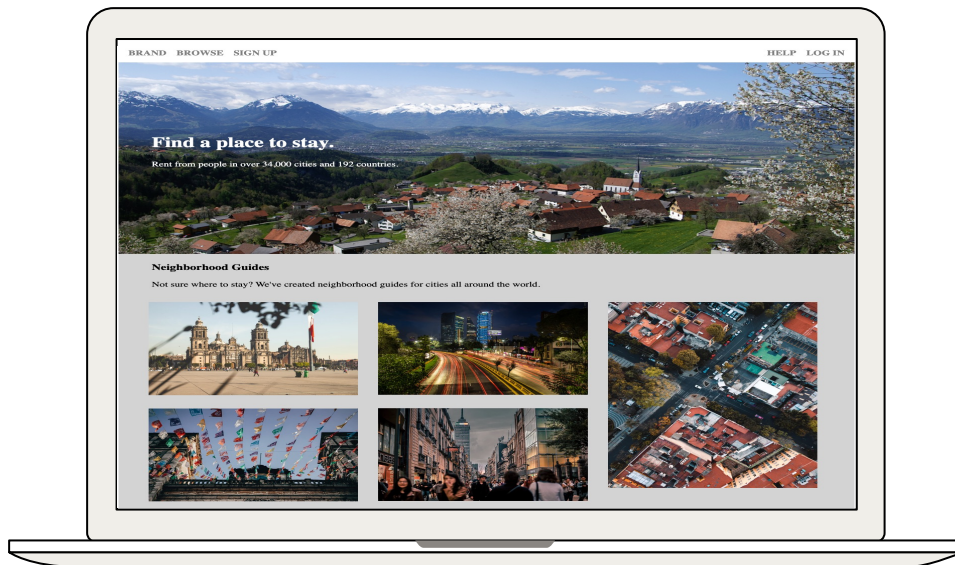
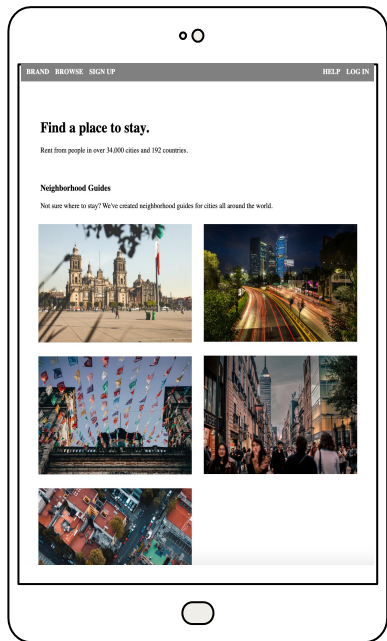


# Browser Developer Tools





# Challenge



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## Kahoot Game

<https://kahoot.it>



# Thanks!

*Any **questions** ?*