

# HTML, CSS, and JavaScript: The Big Picture

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WHY YOU SHOULD CARE ABOUT HOW THE WEB  
WORKS



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# Introduction



History of the web

How the web works

Why you should learn about how it works

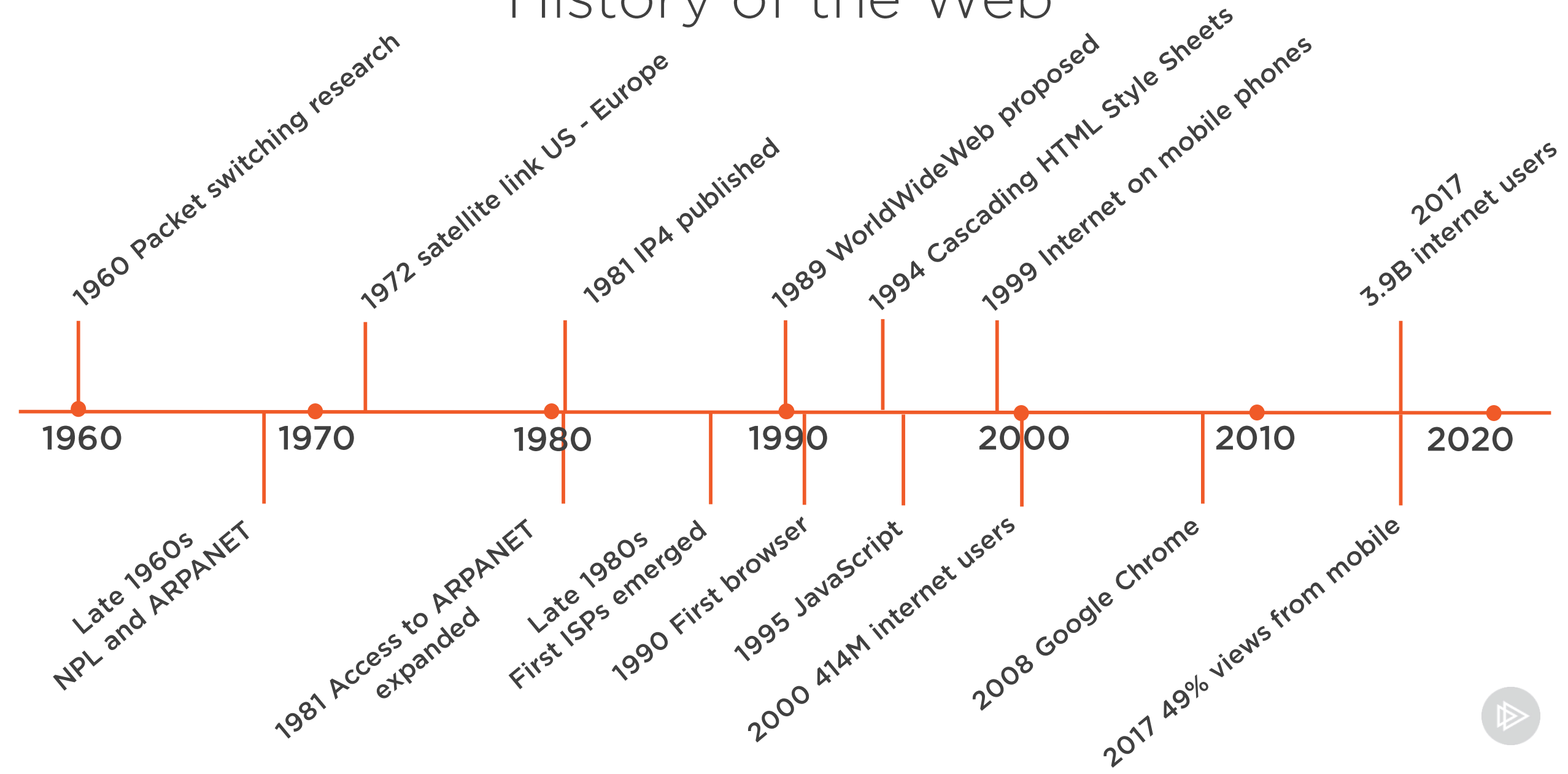


# A Look into the History of the Web

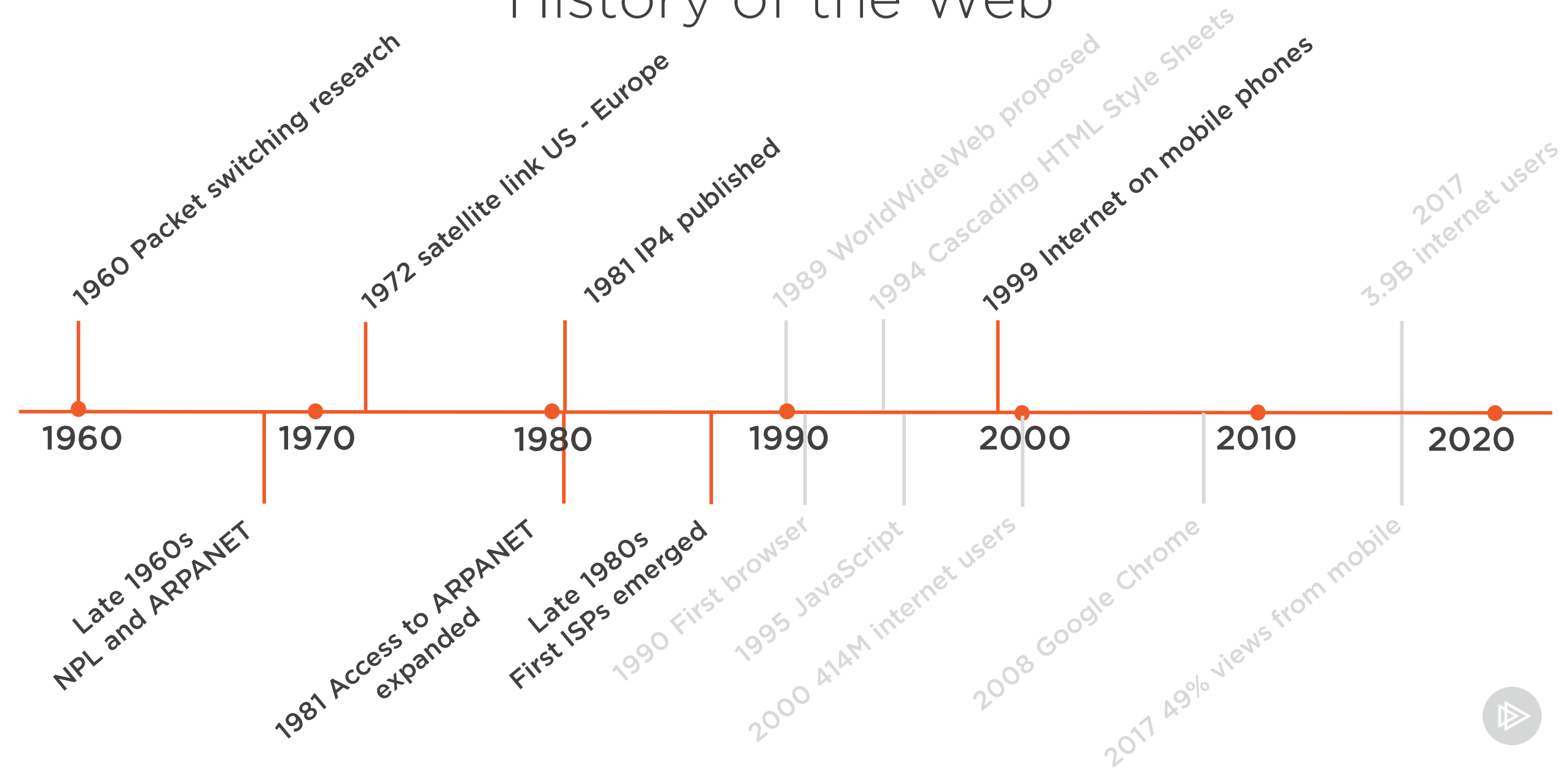
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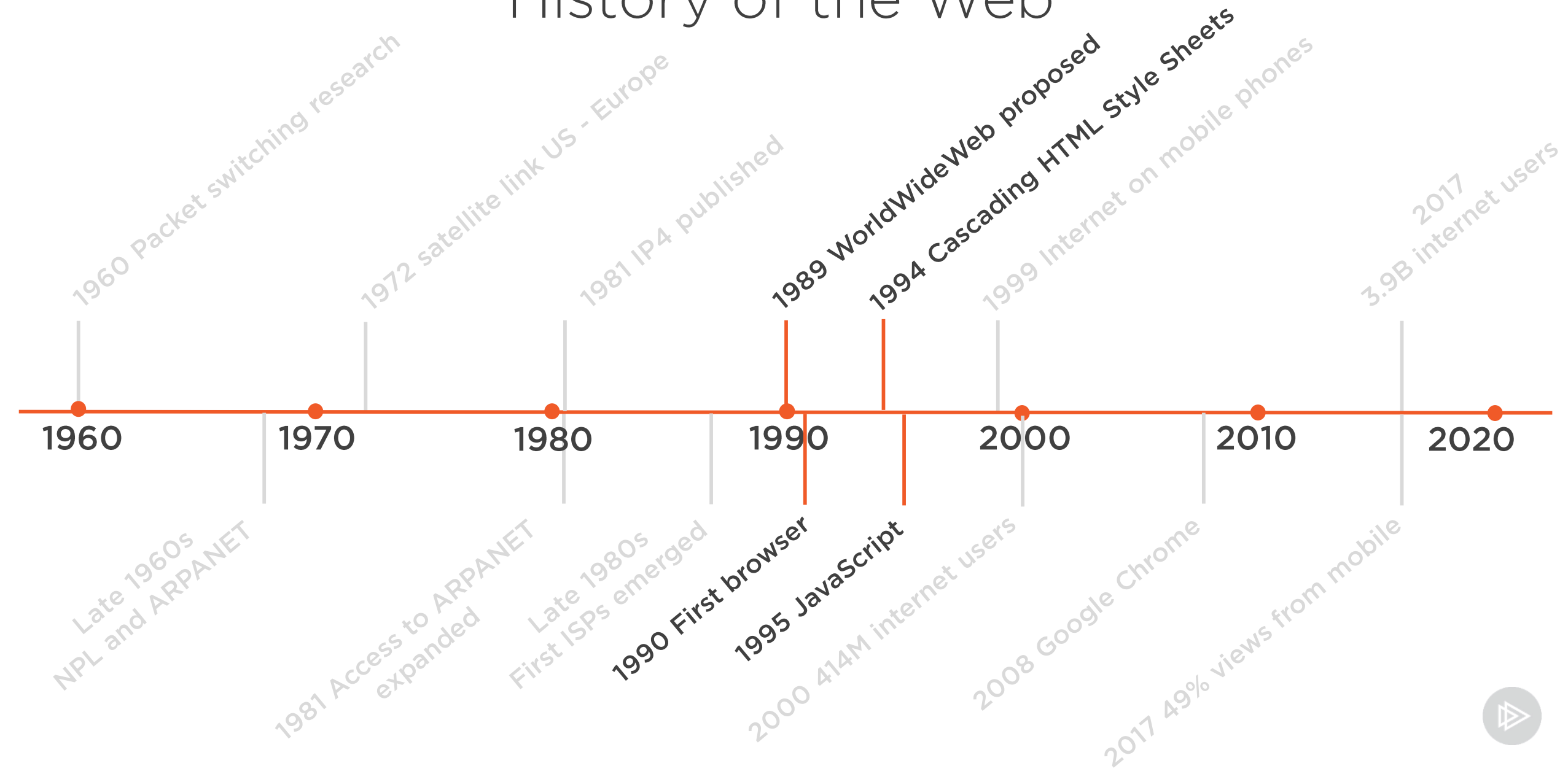
# History of the Web



# History of the Web



# History of the Web



# How the Magic of the Web Works

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# What Is the World Wide Web?

**The World Wide Web**  
is an **information space**  
where **documents** and **other web resources**  
are identified by **Uniform Resource Locators (URLs)**,  
interlinked by **hypertext links**,  
and can be accessed via **the Internet**.

World Wide Web, Wikipedia, 2018  
[https://en.wikipedia.org/wiki/World\\_Wide\\_Web](https://en.wikipedia.org/wiki/World_Wide_Web)





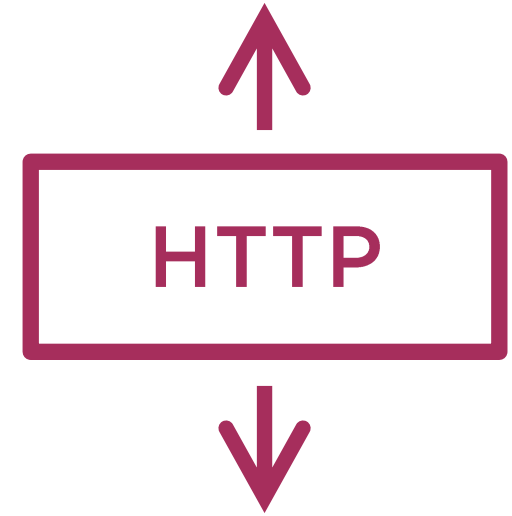
# Ingredients for the Web



Resources  
(documents, images,  
other files)



Uniform Resource  
Locators (URLs)



Hypertext Transfer  
Protocol (HTTP)

# Ingredients for the Web

Clients  
(Web browsers)



Document

- CSS
- JavaScript

GET  
POST

HTTP



URL: <http://server.com/document1.html>



Web Server



Document



# Why Learn About HTML, CSS, and JavaScript?

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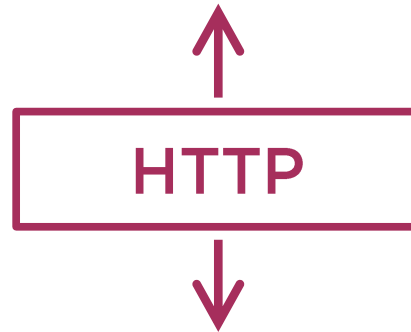
# Ingredients for the Web

Clients  
(Web browsers)



Document

- CSS
- JavaScript



URL: <http://server.com/document1.html>



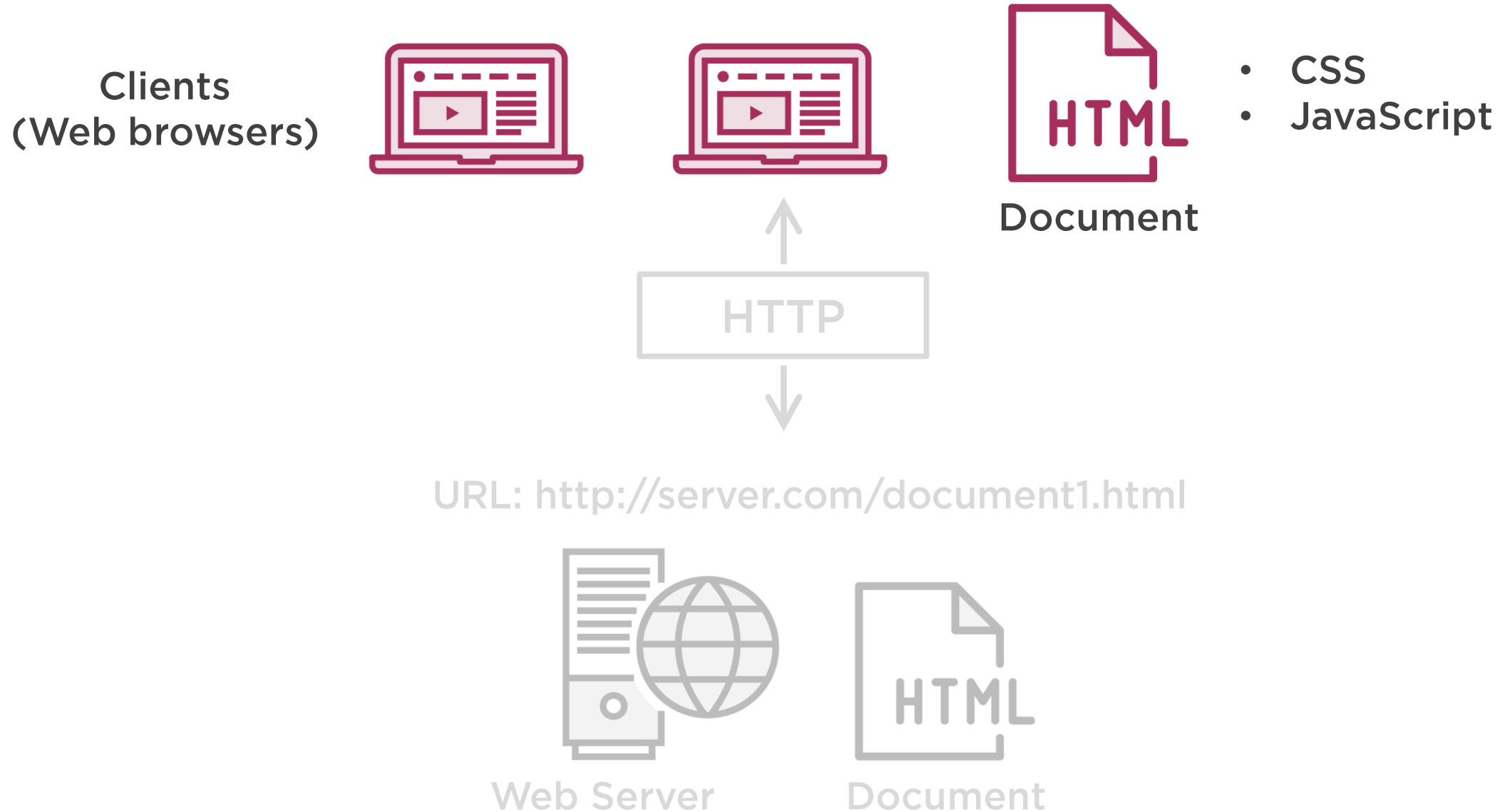
Web Server



Document



# HTML, CSS, and JavaScript



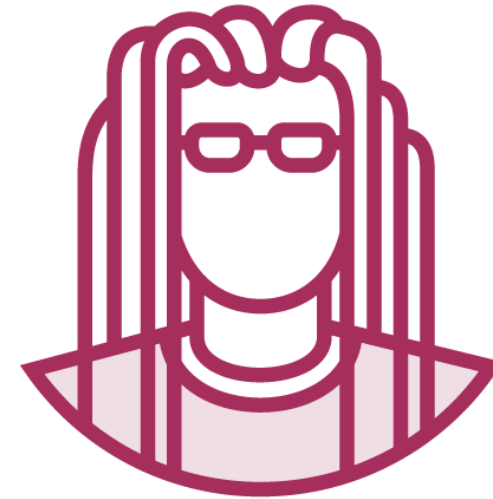
# Why Learn About HTML, CSS, and JavaScript?

New to these topics



- What the technologies are
  - Why they are relevant
  - How people use them

Already experienced



- Reaffirm the concepts
- Put the technology in context

# Things to Remember



## The web is possible because of the internet

- The internet has been around since the 80s
- The web has been around since the 90s

## To use the web, you need:

- A web server, that hosts resources like documents
- URLs that identify those resources on that webserver
- Protocols that can be used to transfer resources
- A web browser, to view documents and use resources

## Why should you learn about HTML, CSS, and JavaScript?

- What the technologies are, **Why** they are relevant and **How** people use them

