

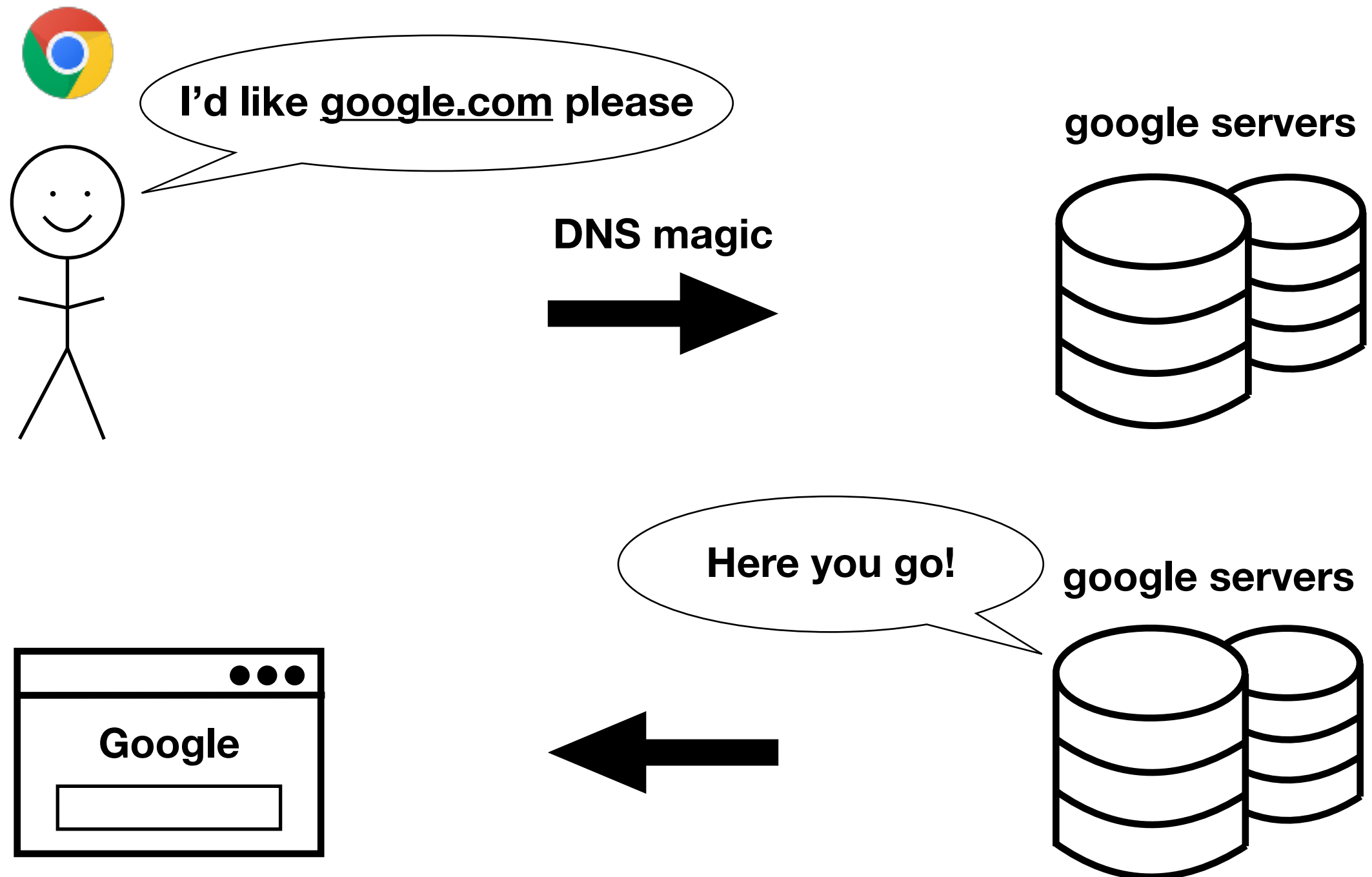
# Software Explained Simply

Episode 1 - Webpages

# Outline

- What is a webpage?
- What technologies does it use?
- Examples!

# What is a webpage?



# Websites then and now



<https://www.warnerbros.com/archive/spacejam/movie/jam.htm>



# HTML - The structure

```
<html>  
  <head>  
    (resources go here)  
  </head>  
  <body>  
    (page elements go in here)  
  </body>  
</html>
```

# Types of HTML tags

- `<html>` - the top-level tag
- `<head>` - where resources are included
- `<body>` - where page elements go
  
- `<p>` - paragraph
- `<a>` - anchor or link
- `<img>` - image
- `<input>` - text field
- `<button>` - button!
- `<div>` - divider (groups or separates tags)

# HTML Demo

# Our first webpage

← → ↻ ⓘ file:///Users/john/Desktop/test.html

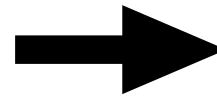
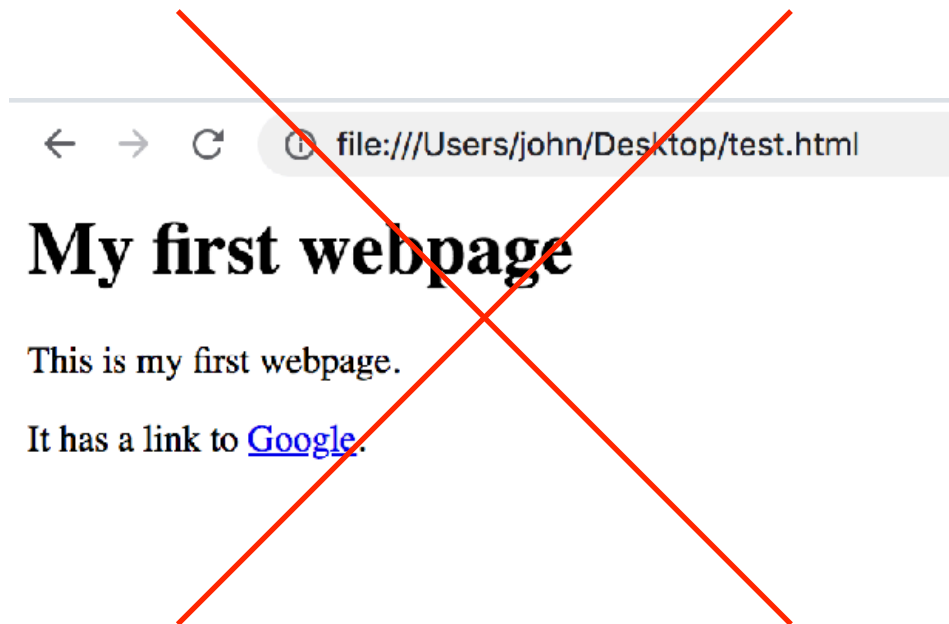
## My first webpage

This is my first webpage.

It has a link to [Google](#).



# Our first webpage



# CSS - Cascading Style Sheets

How an element is *displayed*

size, color, font, position

```
color: red;  
font-size: 16px;  
width: 100%;
```



# CSS Demo

# CSS Selectors Review

```
<h1 style="color: red;">
```

# CSS Selectors Review

```
<head>
  <style>
    h1 {
      color: red;
    }
  </style>
</head>
<body>
  <h1>Here is a heading</h1>
</body>
```

# CSS Selectors Review

```
<head>
  <style>
    #heading {
      color: red;
    }
  </style>
</head>
<body>
  <h1 id="heading">Here is a heading</h1>
</body>
```

# CSS Selectors Review

```
<head>
  <style>
    .heading {
      color: red;
    }
  </style>
</head>
<body>
  <h1 class="heading">Here is a heading</h1>
  <h1 class="heading">Here is a heading</h1>
  <h1 class="heading">Here is a heading</h1>
</body>
```

# Our first webpage, *styled*



My first webpage

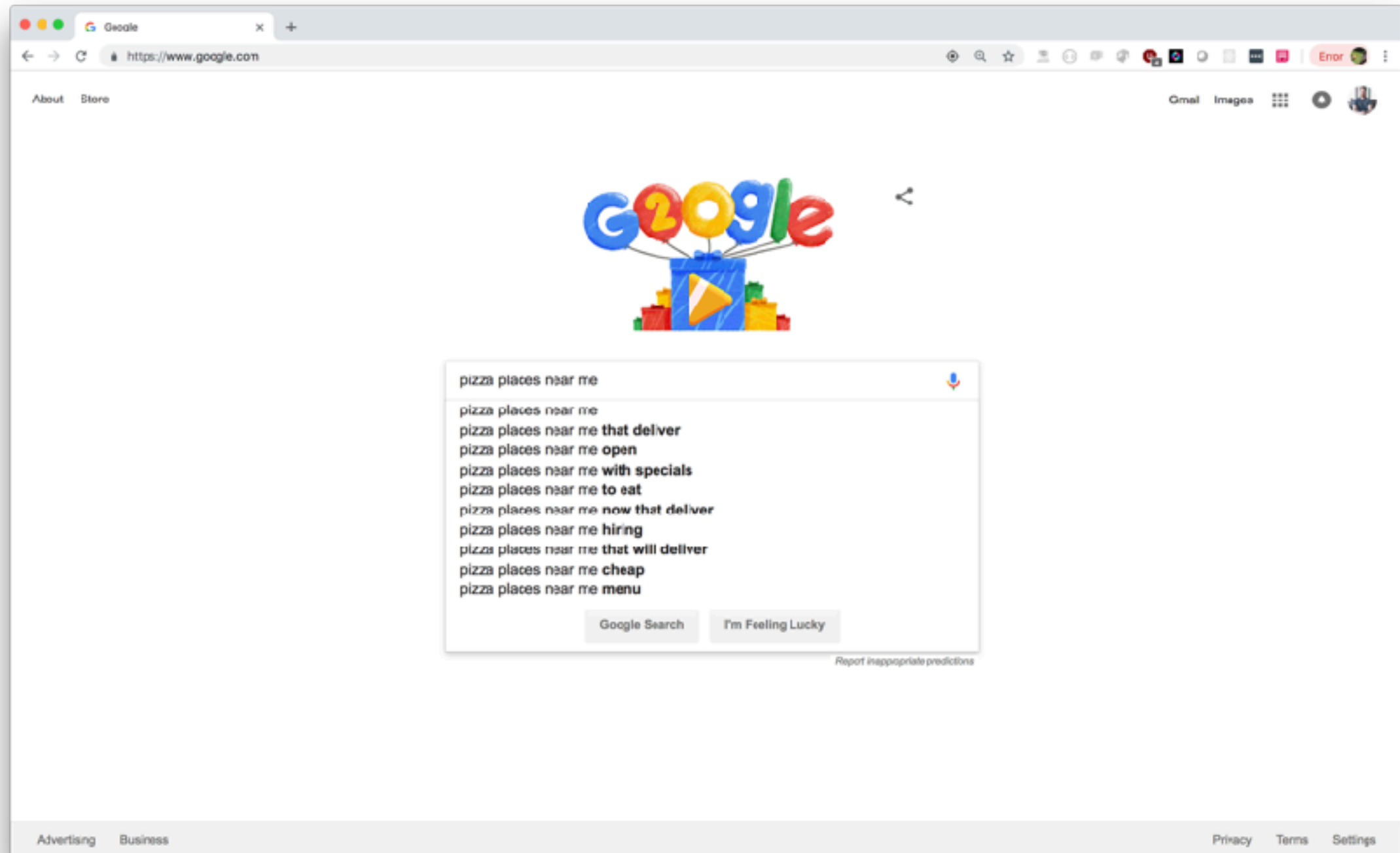
This is my first  
webpage.

It has a link to [Google](#).





# Interactivity (JavaScript)



# JavaScript Demo

**One quick thing...**  
**google it.**

# Review

- HTML is the structure of the page, and uses tags to create elements (<p>hi</p>)
- CSS styles elements (<h1 style="color: red;">)
- JS makes webpages more **interactive**

# Homework #1

- Pick a text editor (Sublime Text, Atom, etc.)
- Read and complete with the following tutorials:
  - [https://developer.mozilla.org/en-US/docs/Learn/Getting\\_started\\_with\\_the\\_web/HTML\\_basics](https://developer.mozilla.org/en-US/docs/Learn/Getting_started_with_the_web/HTML_basics)
  - [https://developer.mozilla.org/en-US/docs/Learn/Getting\\_started\\_with\\_the\\_web/CSS\\_basics](https://developer.mozilla.org/en-US/docs/Learn/Getting_started_with_the_web/CSS_basics)
  - [https://developer.mozilla.org/en-US/docs/Learn/Getting\\_started\\_with\\_the\\_web/JavaScript\\_basics](https://developer.mozilla.org/en-US/docs/Learn/Getting_started_with_the_web/JavaScript_basics)
- Make your own webpage!

**Thanks!**