

# Making your website Scream

Building for frontend performance



# About Me

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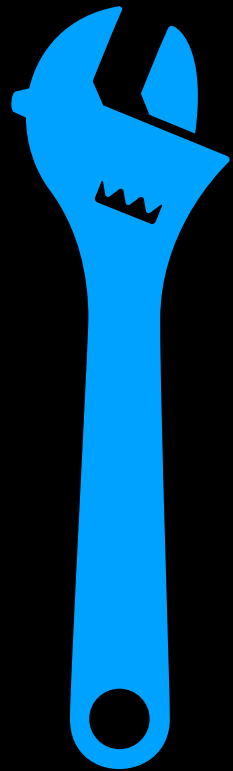


# Why are we here?

Why does speed matter?



# Frontend Performance as quality not a feature



- ★ **Start with your homepage**
- ★ **Every sprint profile the load times**
- ★ **How? Handwaving we'll get there**

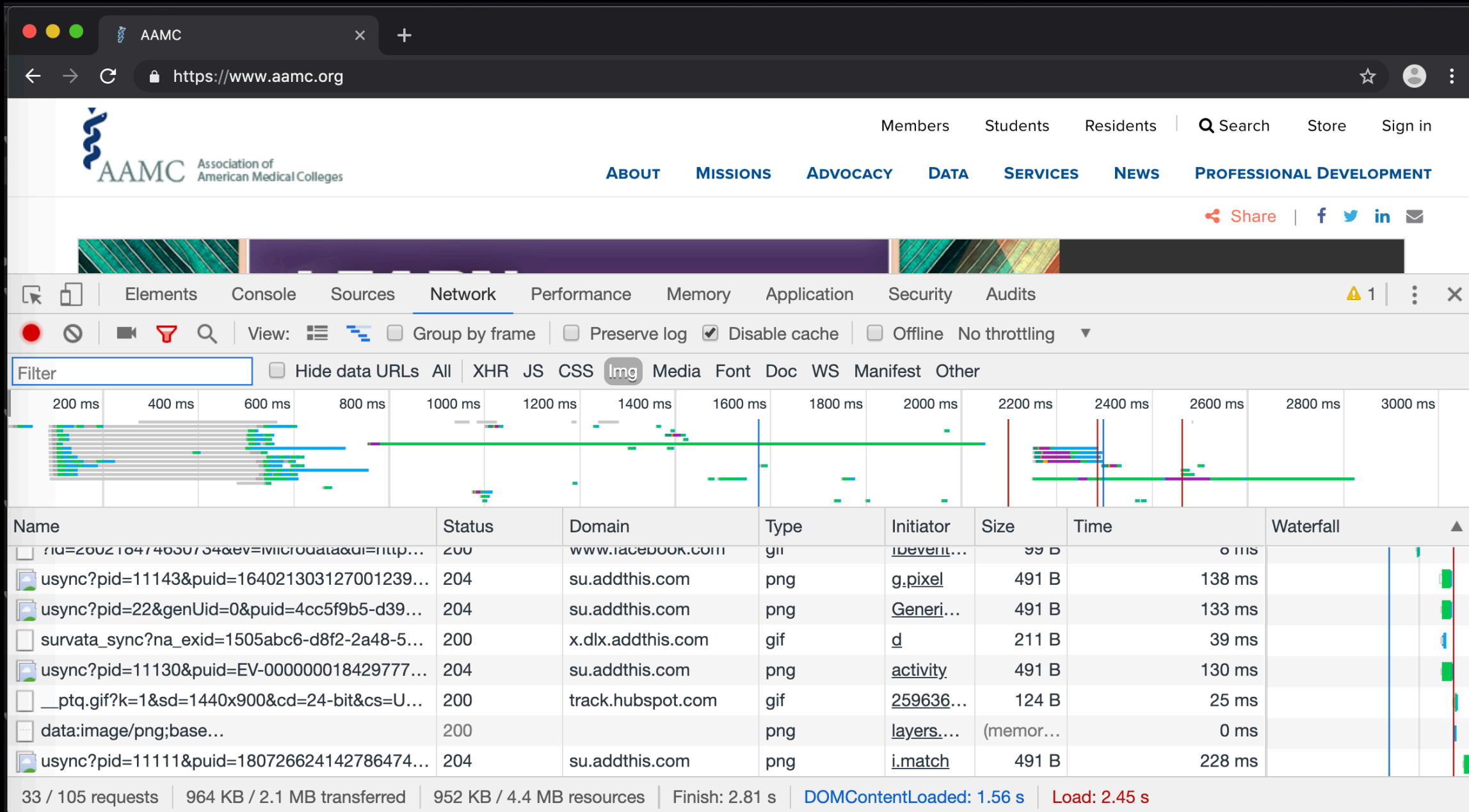


# How do I audit frontend performance?

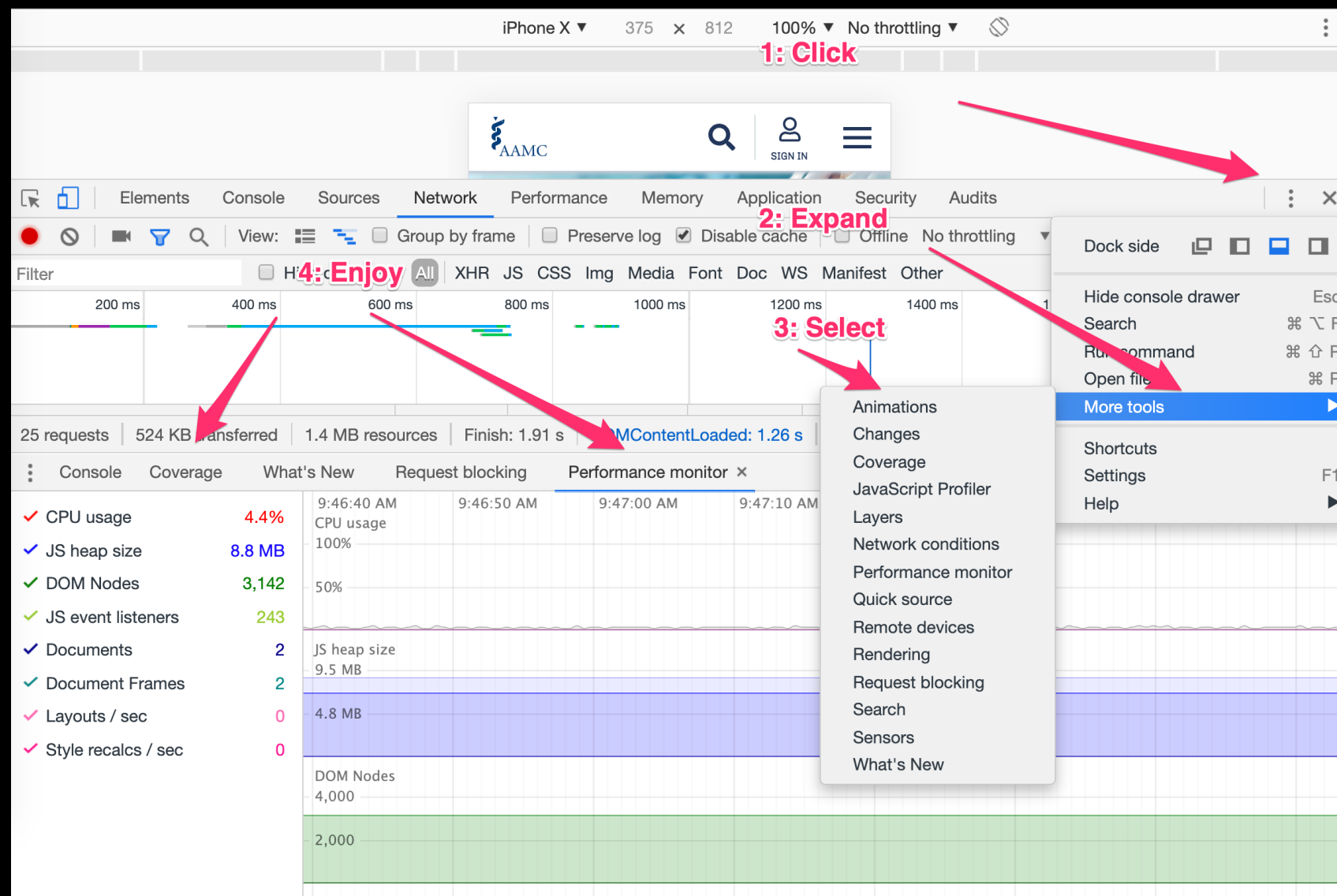
Hint:



# Start with the network tab



# The hidden tools no one tells you about





# What are we looking for?

- Finish Time
- Number of HTTP Requests
- KB Transferred





# Strategies for Reducing HTTP Requests

- ★ Aggregation
- ★ Leverage aggregation by using loading Drupal libraries locally vs via a CDN
- ★ Reduce Fonts
- ★ SVG Spriting
- ★ Conditionally Load Polyfills when you need them

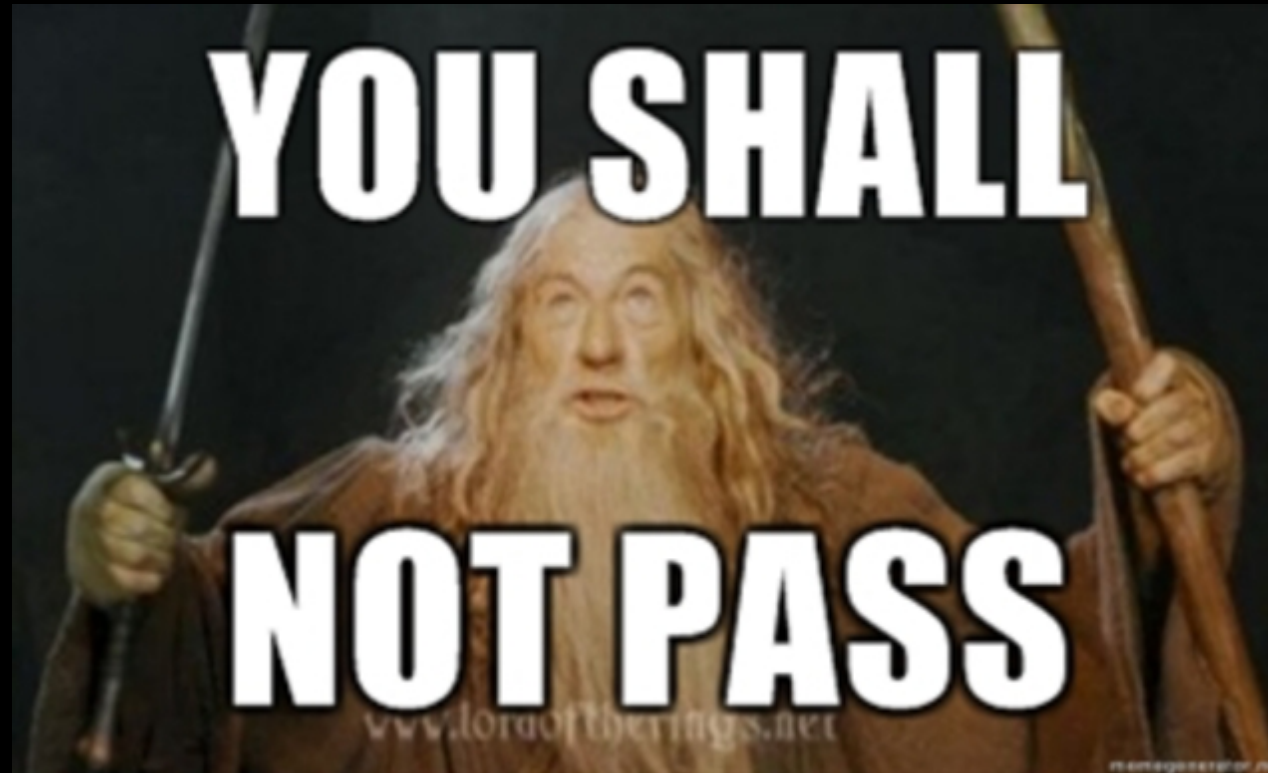


# Dealing with large images

- ★ Use file upload limits
- ★ Image styles!! Crop. Compress images.
- ★ When all else fails fix it manually.



# Render Blocking

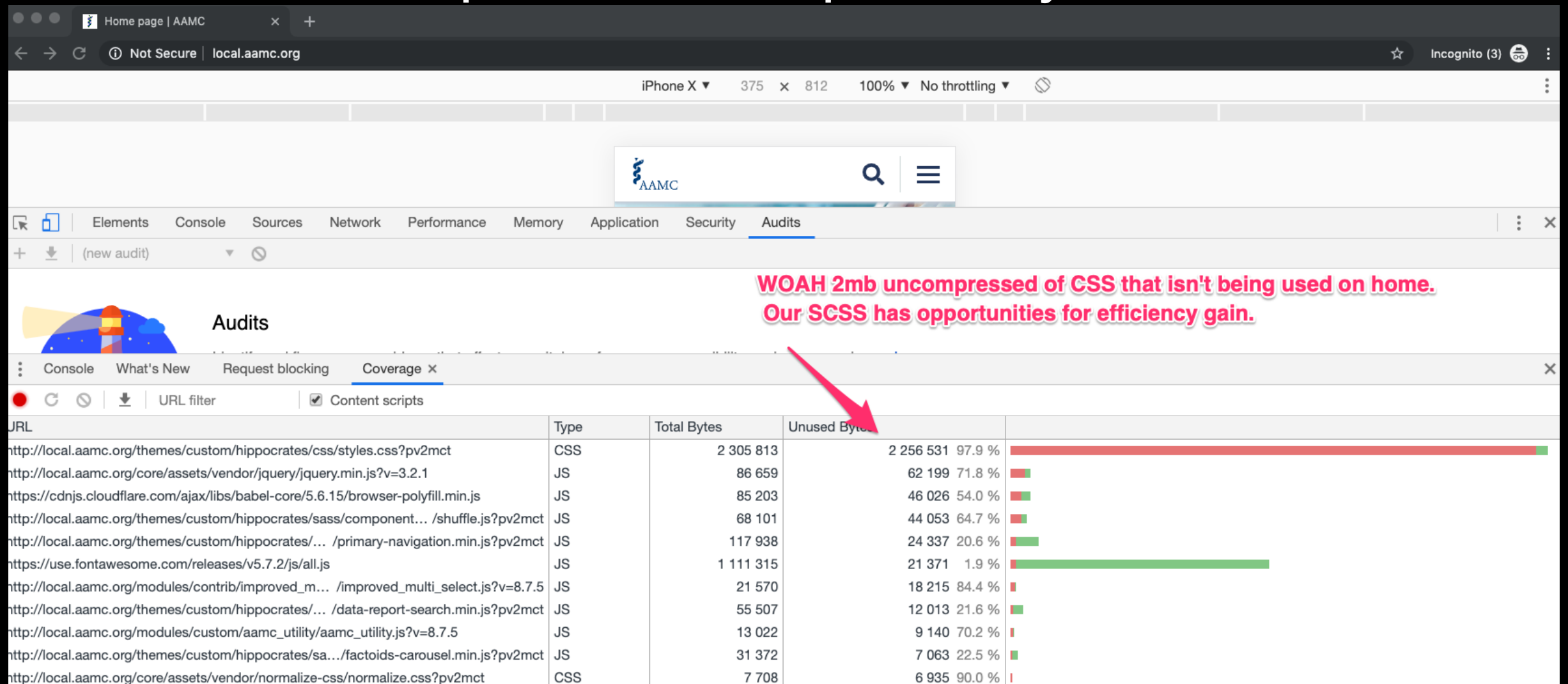


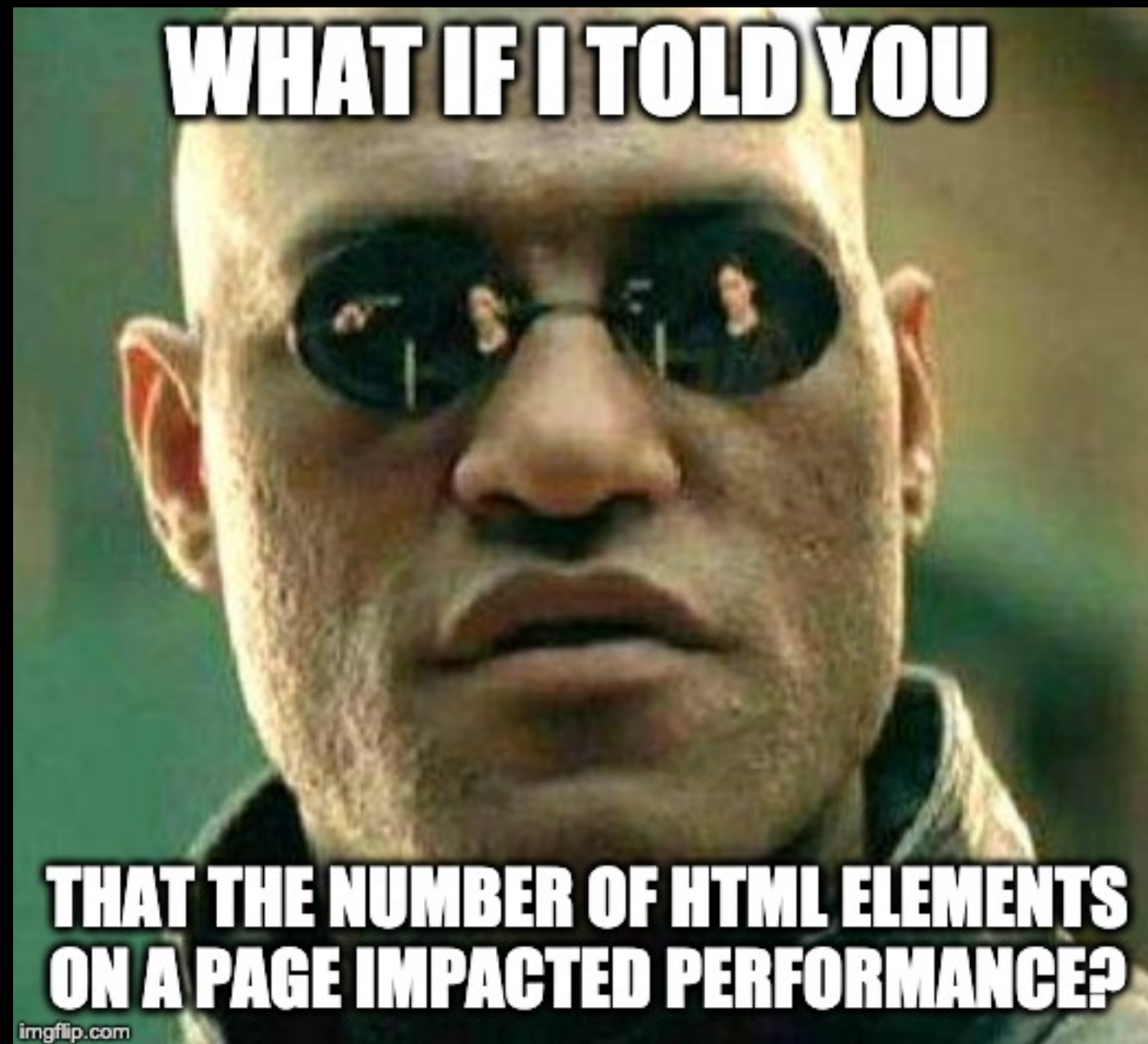
- ★ **Font-Awesome**
- ★ **Preload fonts**
- ★ **Allow fallback to fonts using font-display**



# Friends don't let friends write crappy SCSS

Your compiled CSS is probably bloated







# Chrome How to Audit HTML Nodes

**Finding the number of HTML nodes** 1

The screenshot shows the Chrome DevTools Performance tab. The top navigation bar includes tabs for Elements, Console, Sources, Network, Performance, Memory, Application, and Security. The Performance tab is active, showing a timeline of events. On the left, the 'Filter' section is set to 'DOM Nodes', and the 'DOM Nodes' audit is selected, showing a value of 3,226. A red box highlights this value. A red arrow points to the 'More tools' menu item in the top right corner. Another red arrow points to the 'DOM Nodes' graph area. The graph shows the number of DOM nodes over time, with a peak of 3,226 nodes at 7:17:30 AM. The graph also shows other metrics like Documents (5), Document Frames (4), Layouts / sec (0), and Style recalcs / sec (0).

DOM Nodes 3,226

Documents 5

Document Frames 4

Layouts / sec 0

Style recalcs / sec 0



# Doing It LIVE





# Questions?

