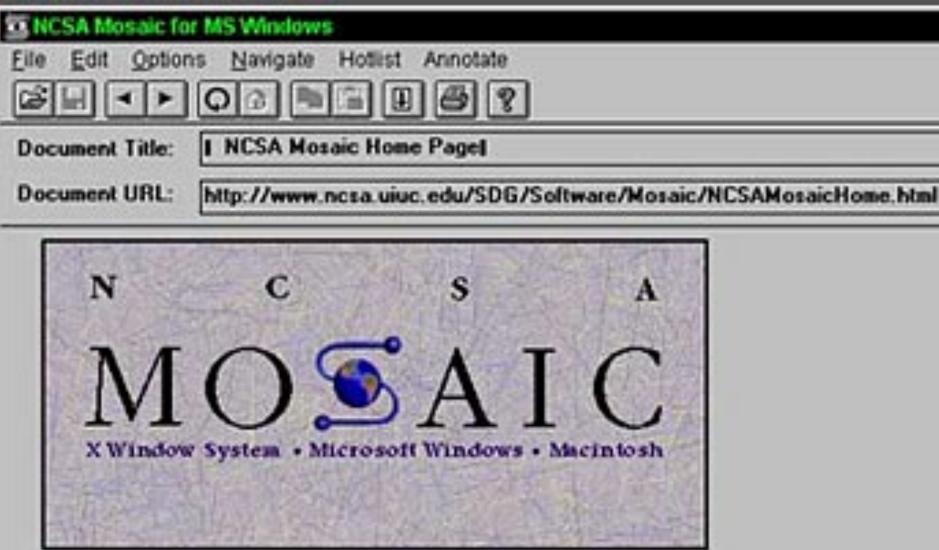
too far from you and I...

# A long time ago on an Internet not



Welcome to NCSA Mosaic, an Internet information browser and World Wide Web client. NCSA Mosaic was developed at the National Center for Supercomputing Applications at the University of Illinois in --> Urbana-Champaign. NCSA Mosaic software is copyrighted by The Board of Trustees of the University of Illinois (UI), and ownership remains with the UI.

### Jan '97

The Software Development Group at NCSA has worked on NCSA Mosaic for nearly four years and we've learned a lot in the process. We are honored that we were able to help bring this technology to the masses and appreciated all the support and feedback we have received in return. However, the time has come for us to concentrate our limited resources in other areas of interest and development on Mosaic is complete.

All information about the Mosaic project is available from the homepages.

NCSA Mosaic Platforms:

- NCSA Mosaic for the X Window System
- NCSA Mosaic for the Apple Macintosh
- NCSA Mosaic for Microsoft Windows

World Wide Web Resources The following resources are available to help introduce you to cyberspace and keep track of its growth:

- A glossary of World Wide Web terms and acronyms
- An INDEX to Mosaic related documents
- NCSA Mosaic Access Page for persons with disabilities
- Mosaic and WWW related Tutorials
- Internet Resources Meta-Index at NCSA

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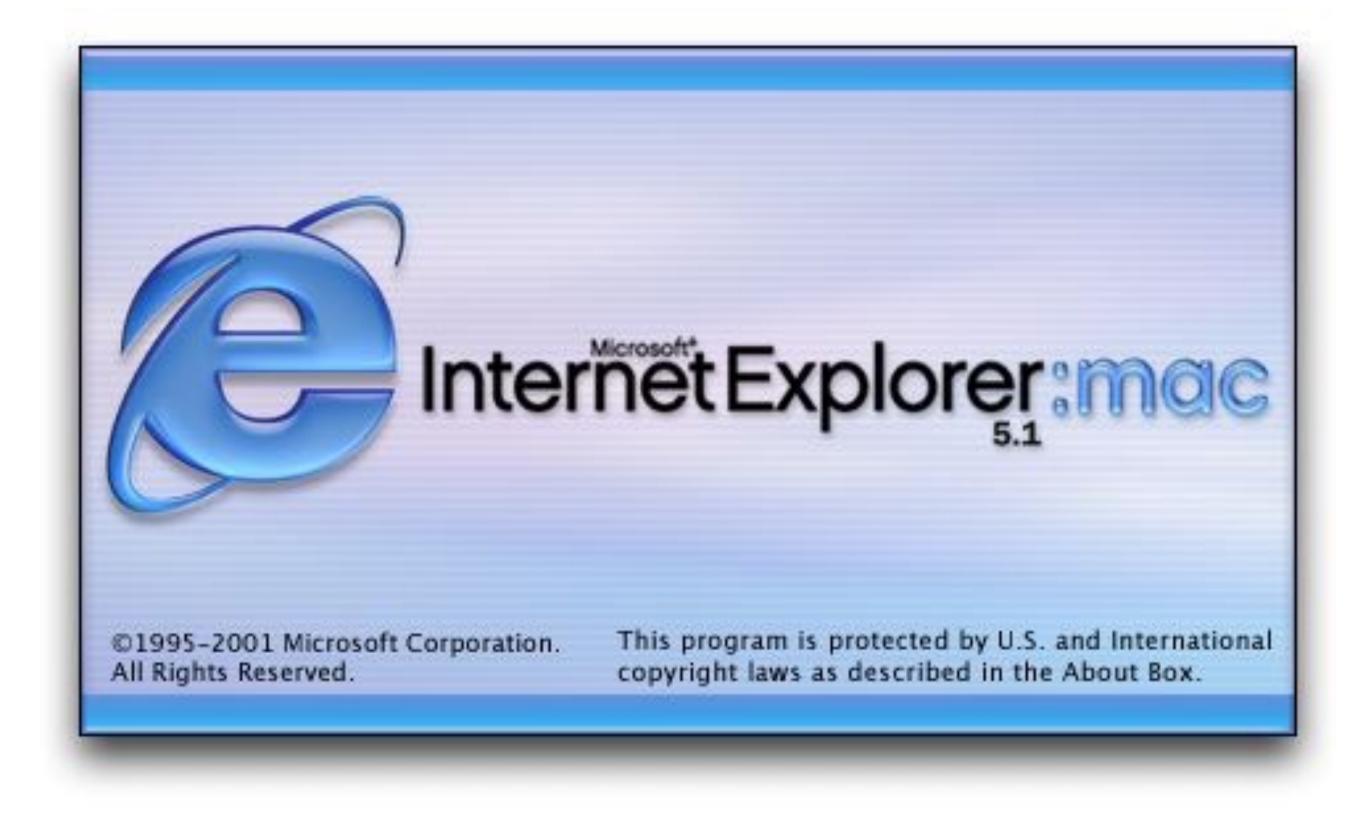
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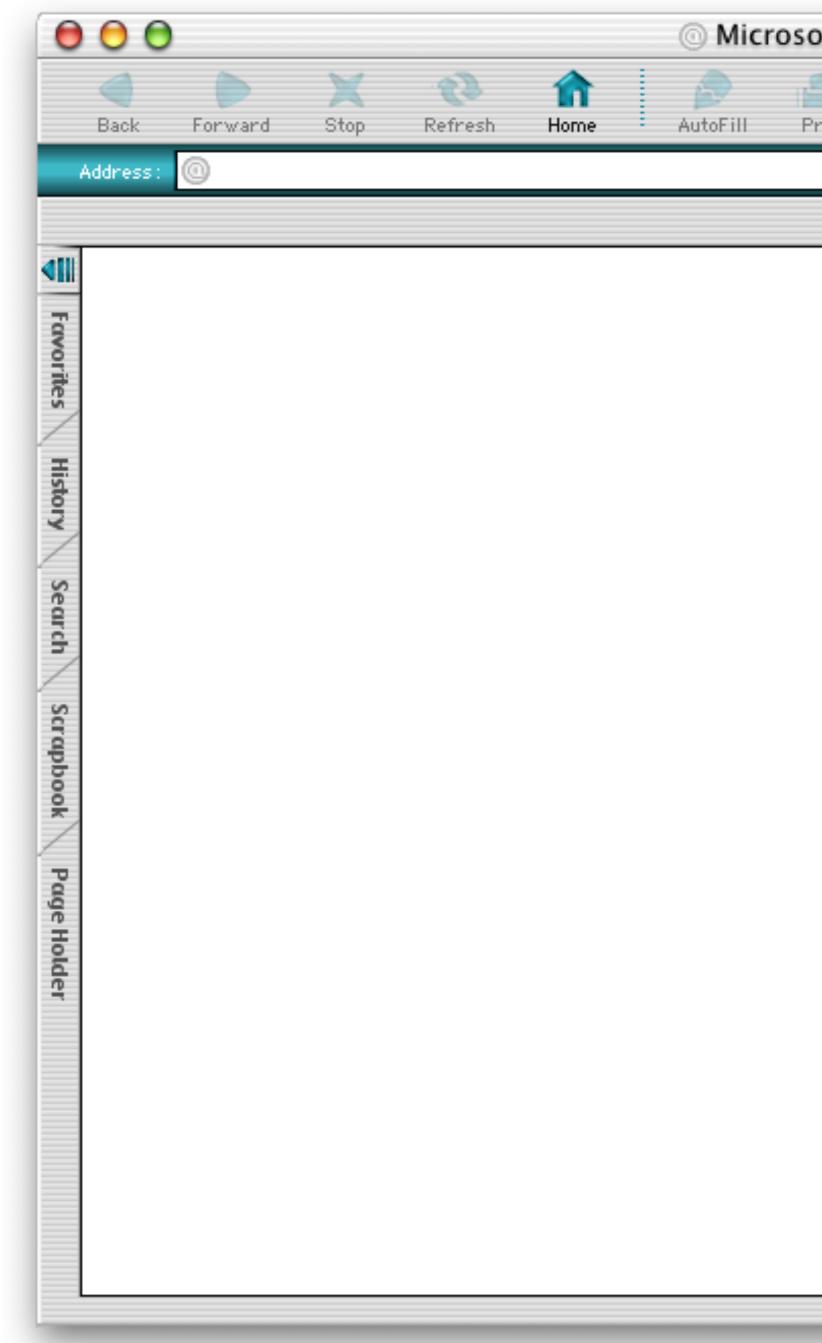
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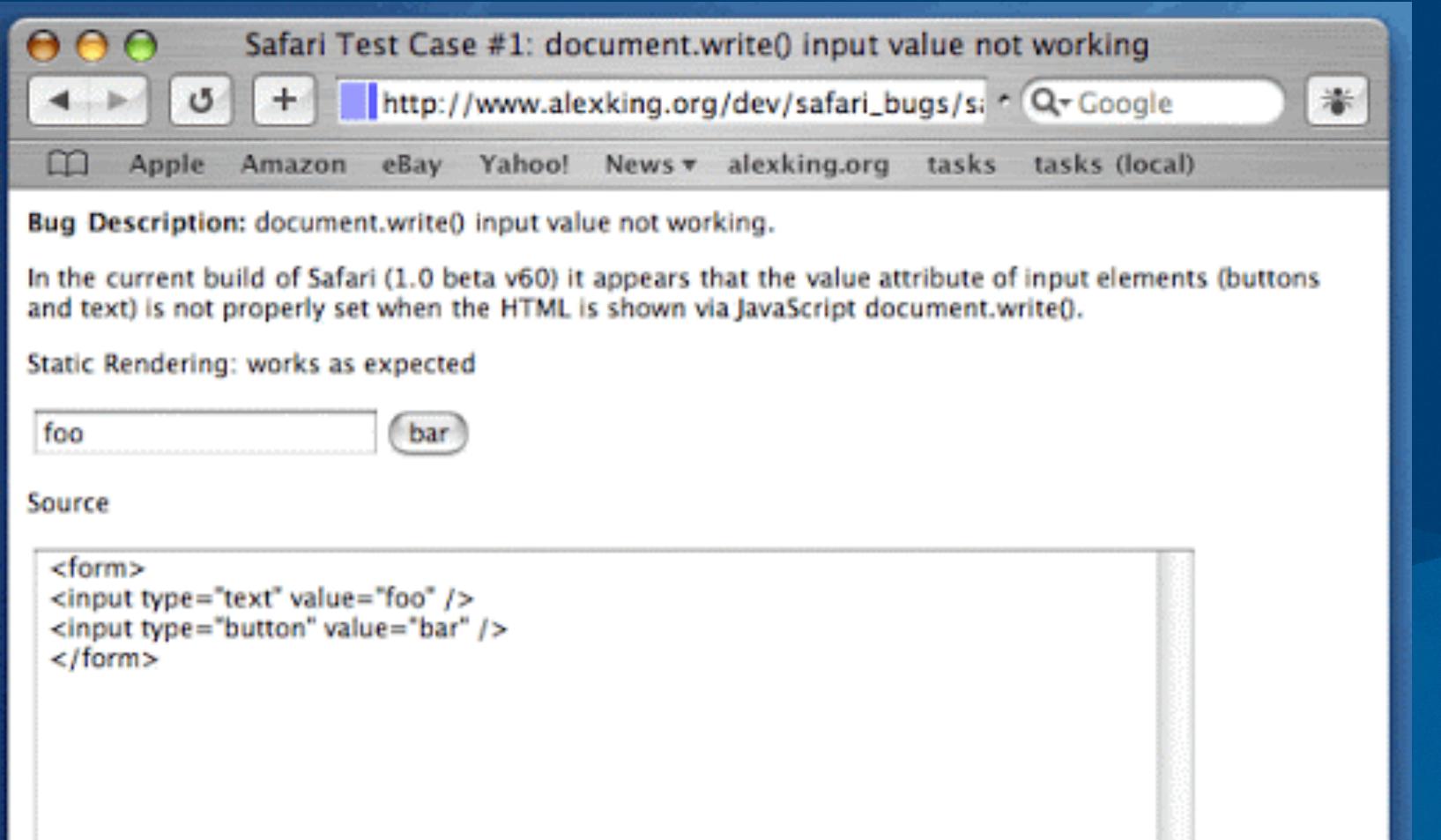
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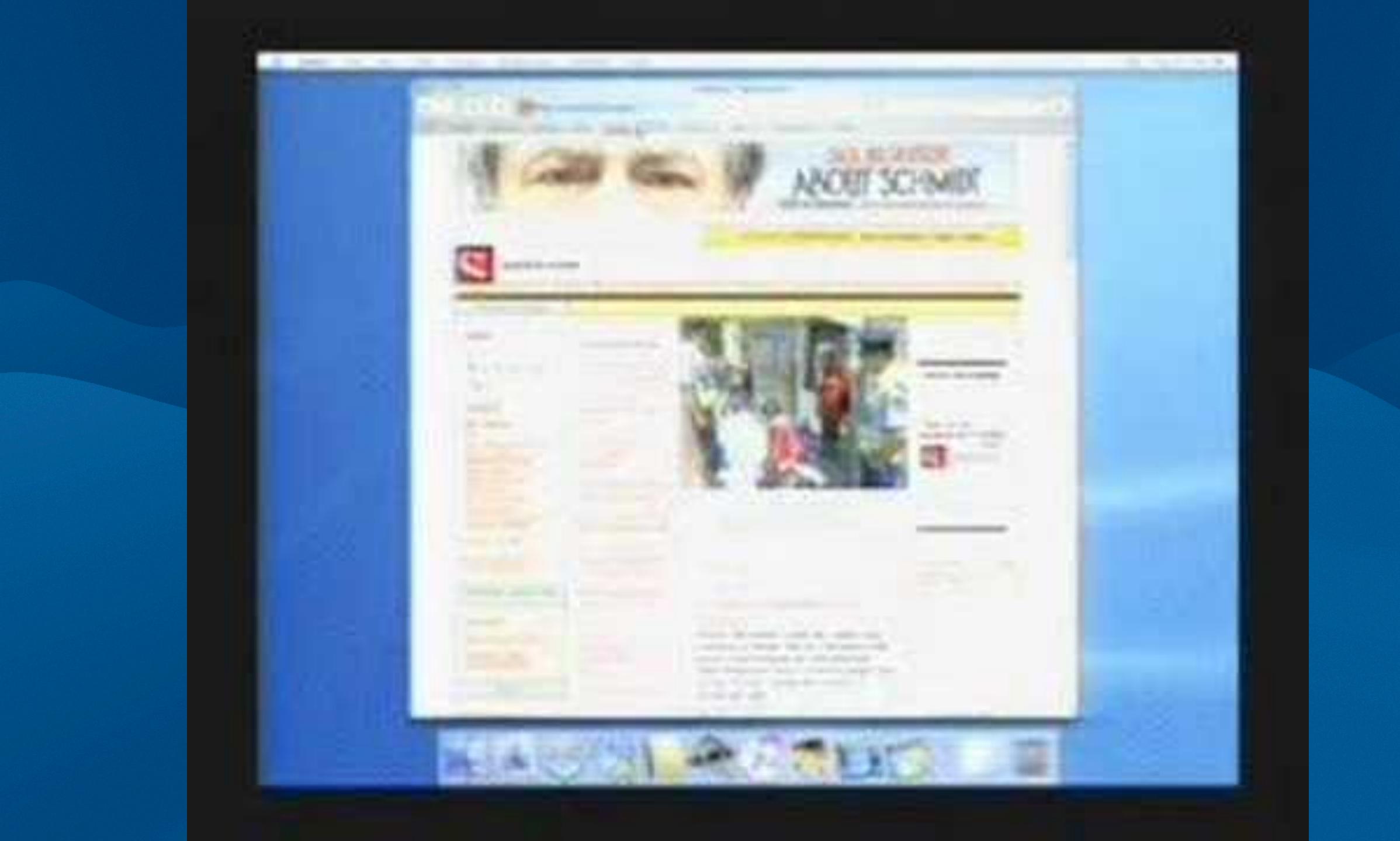


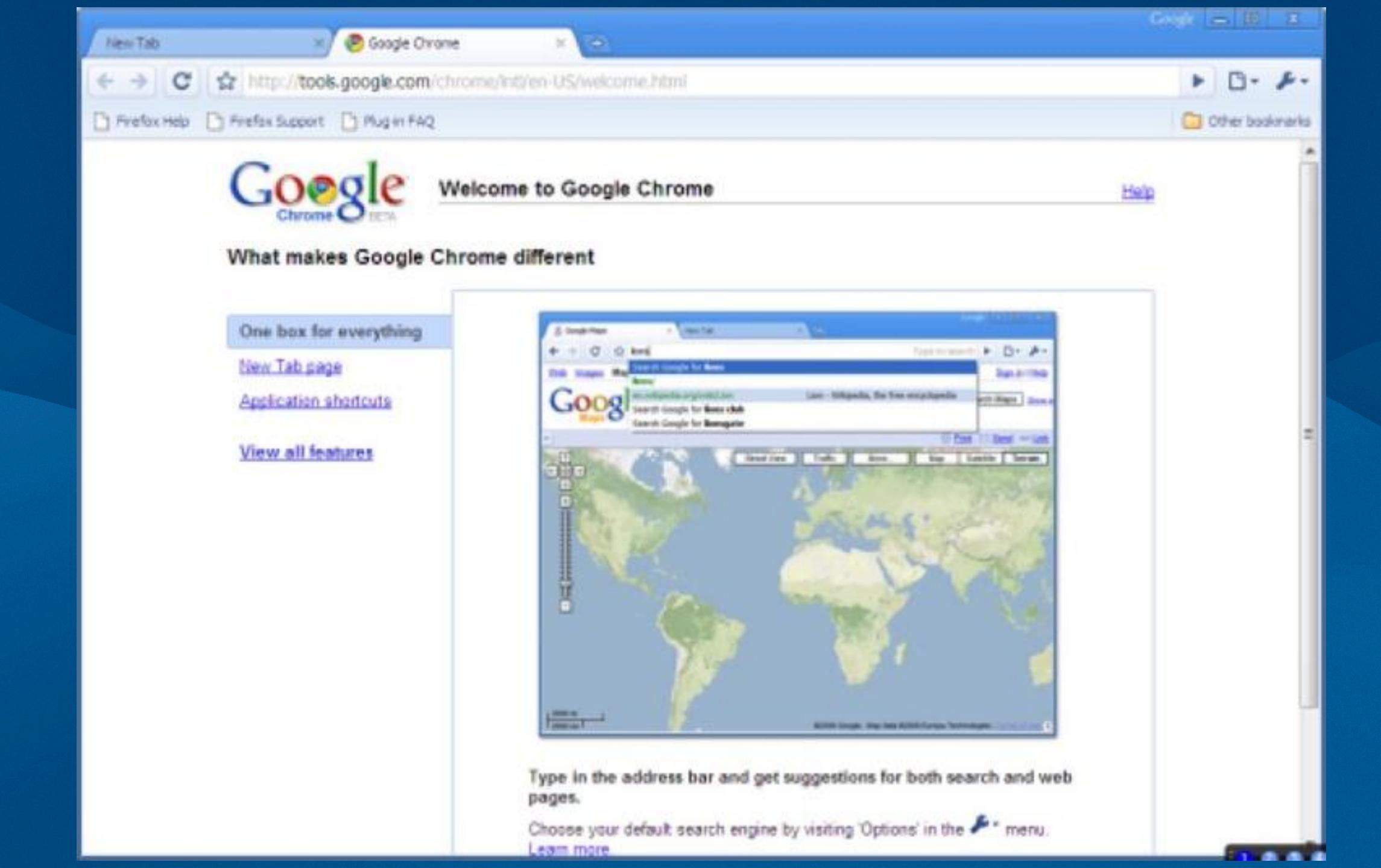
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Update Dynamic Content

Dynamic Rendering: works everywhere (IE, \*zilla on PC & Mac) but not in Safari









### Welcome to Microsoft Edge The brand new browser for Windows 10

Made for writing, reading, researching — and getting things done on the web.





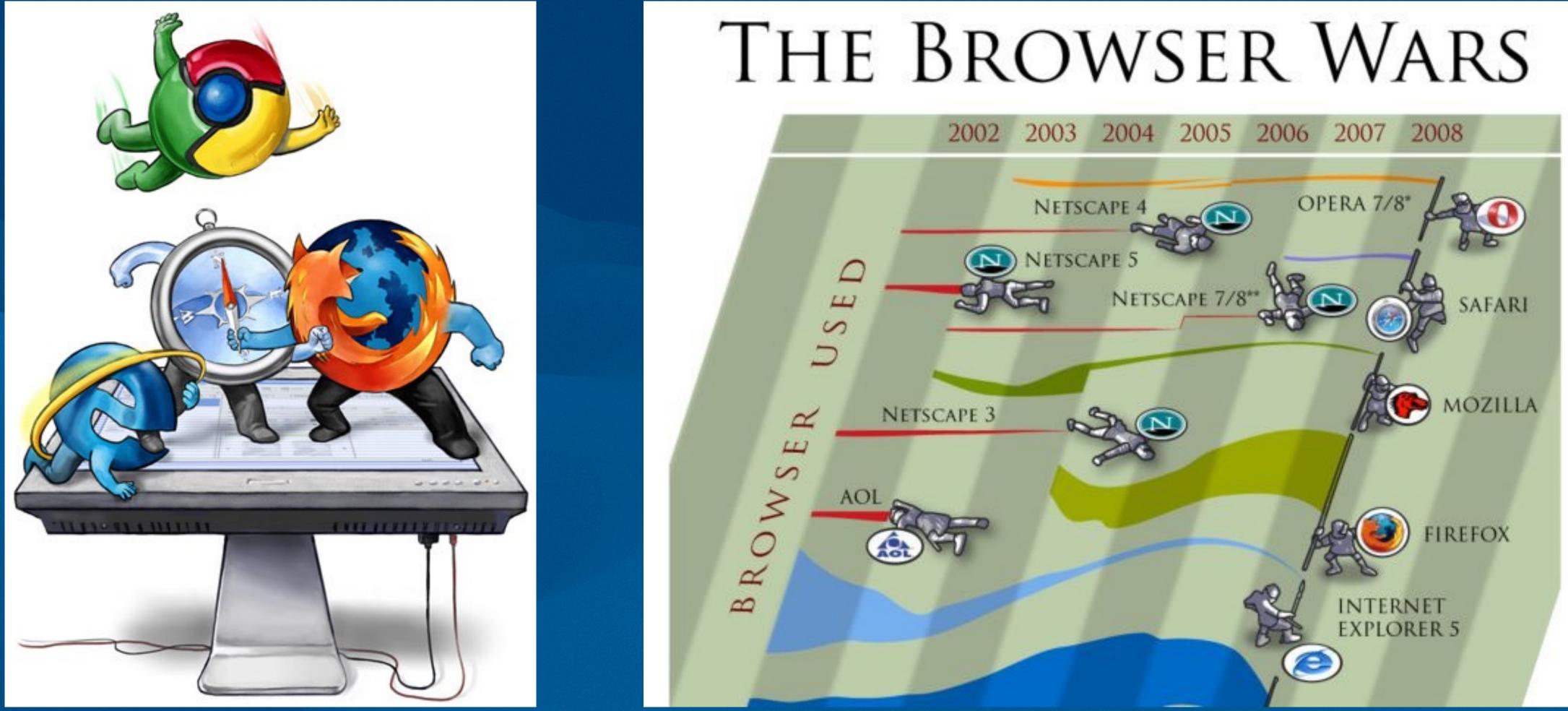
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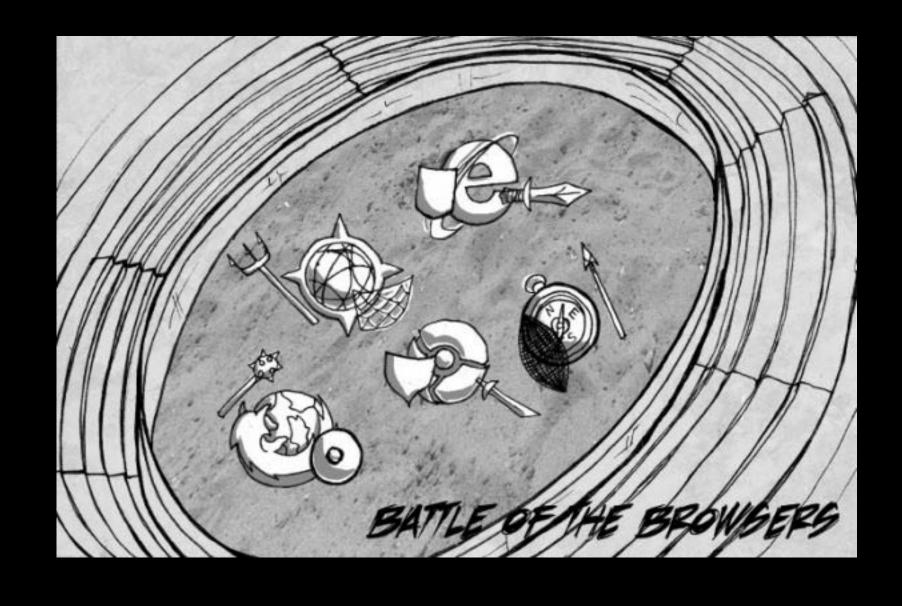
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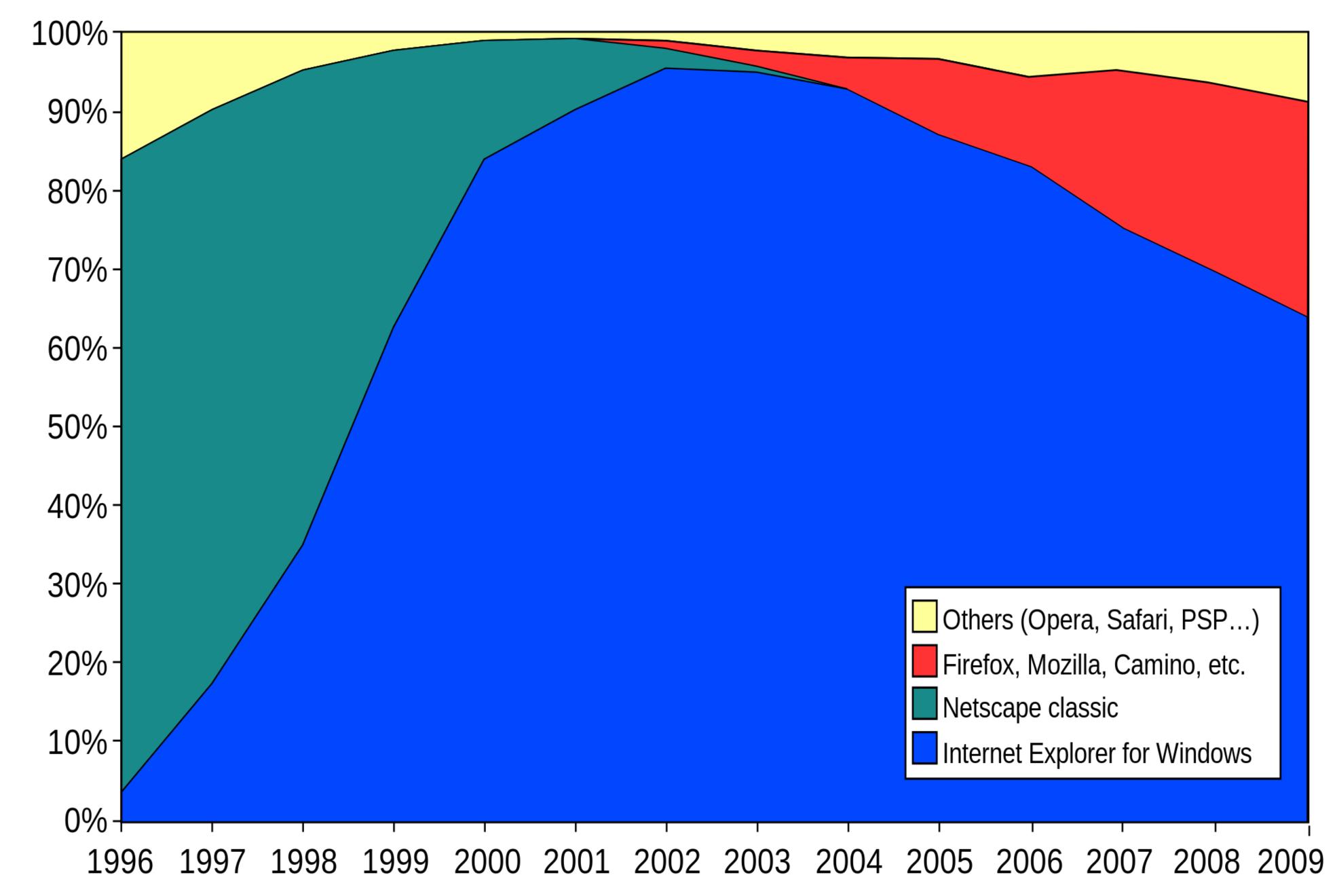




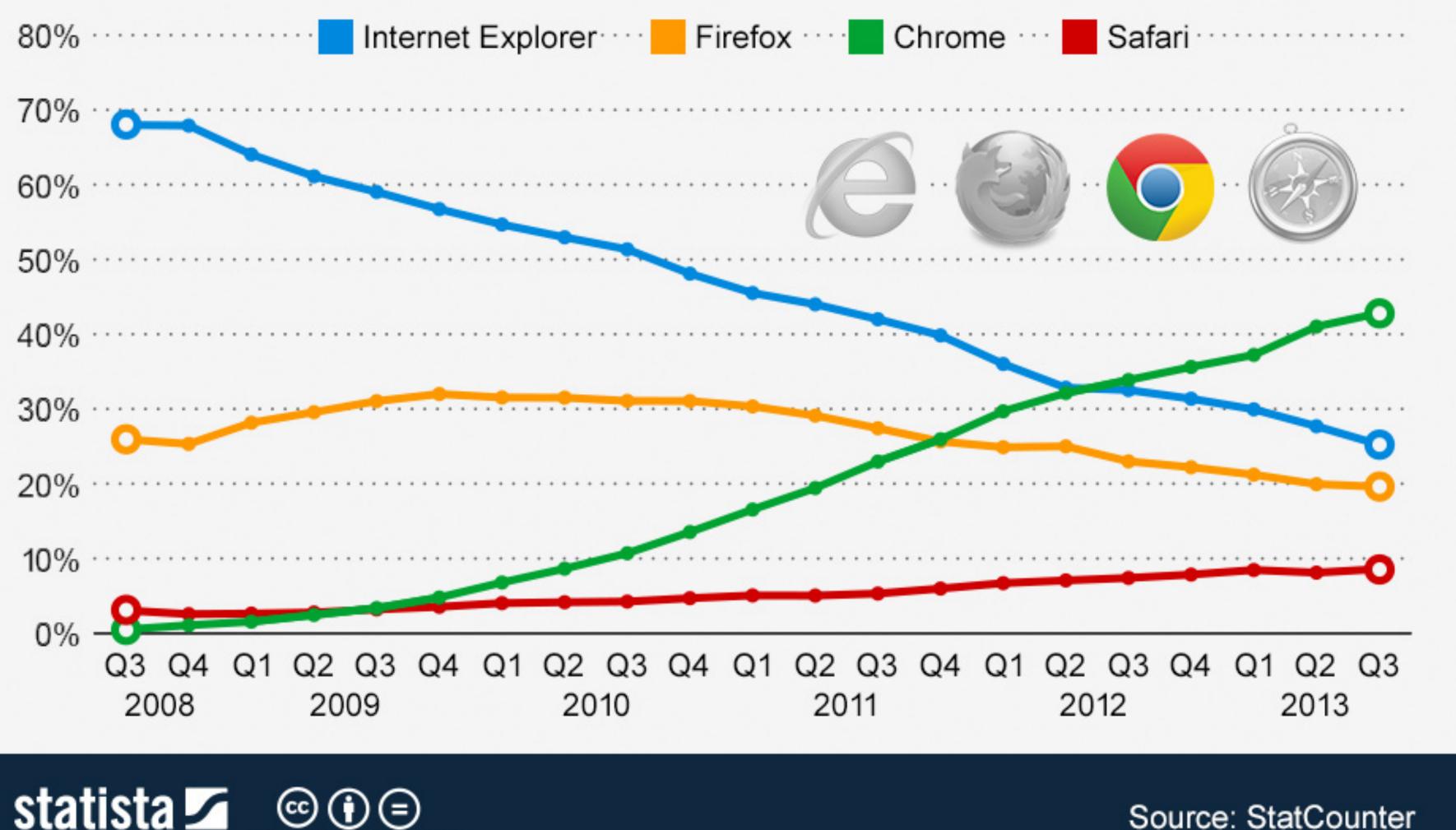




### **Browser Wars**



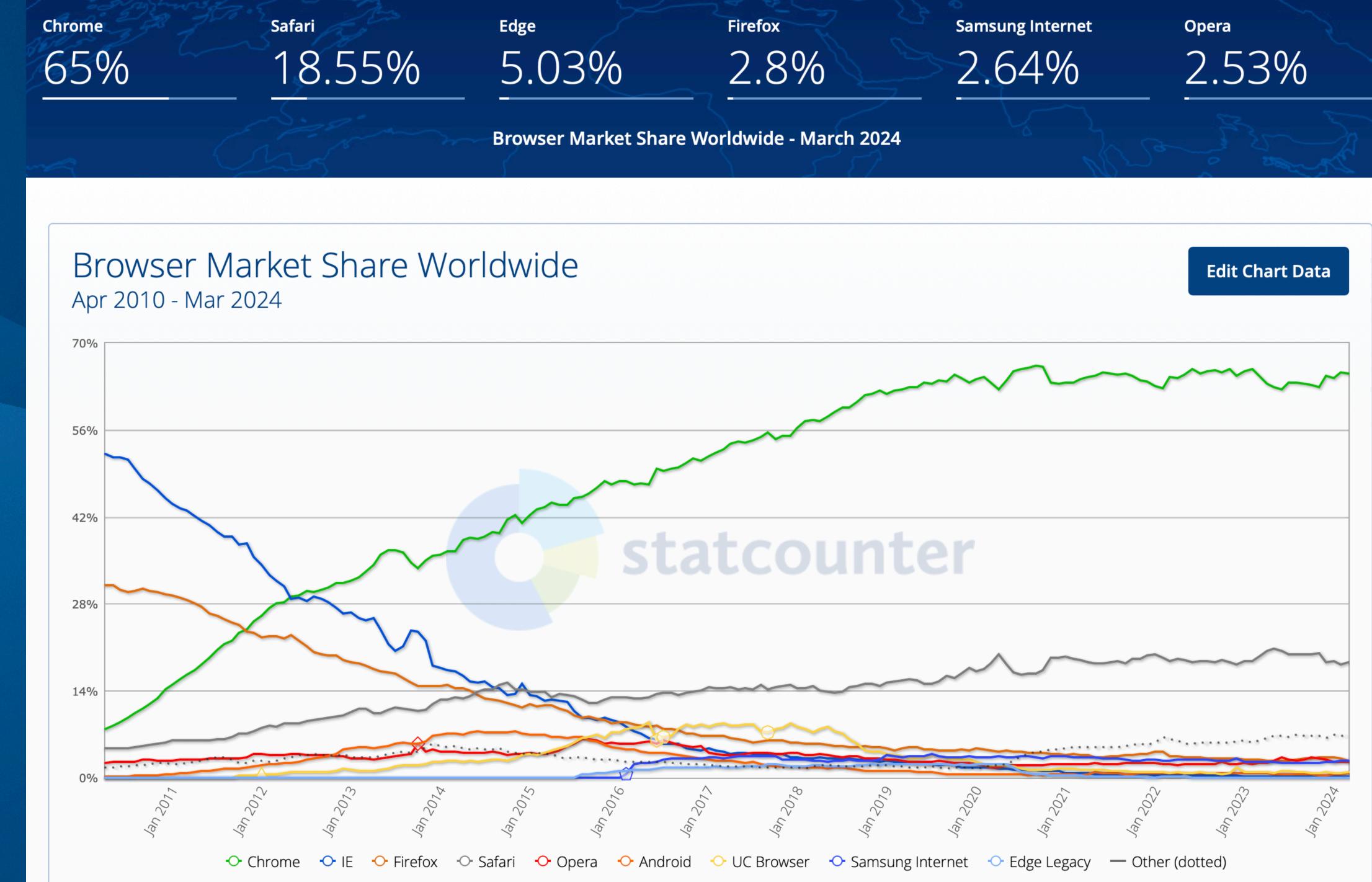
Worldwide usage share of the most popular web browsers (in %)

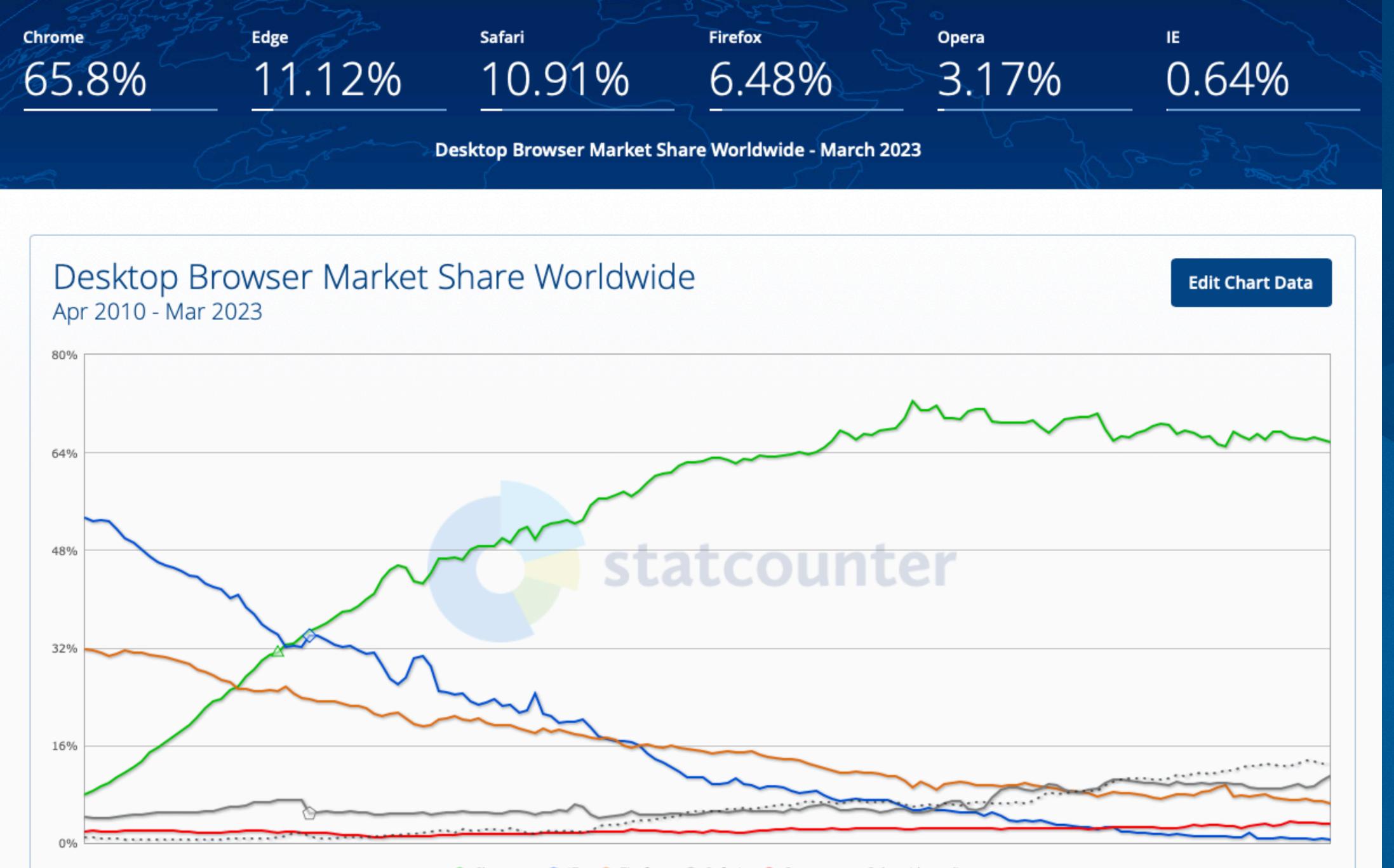


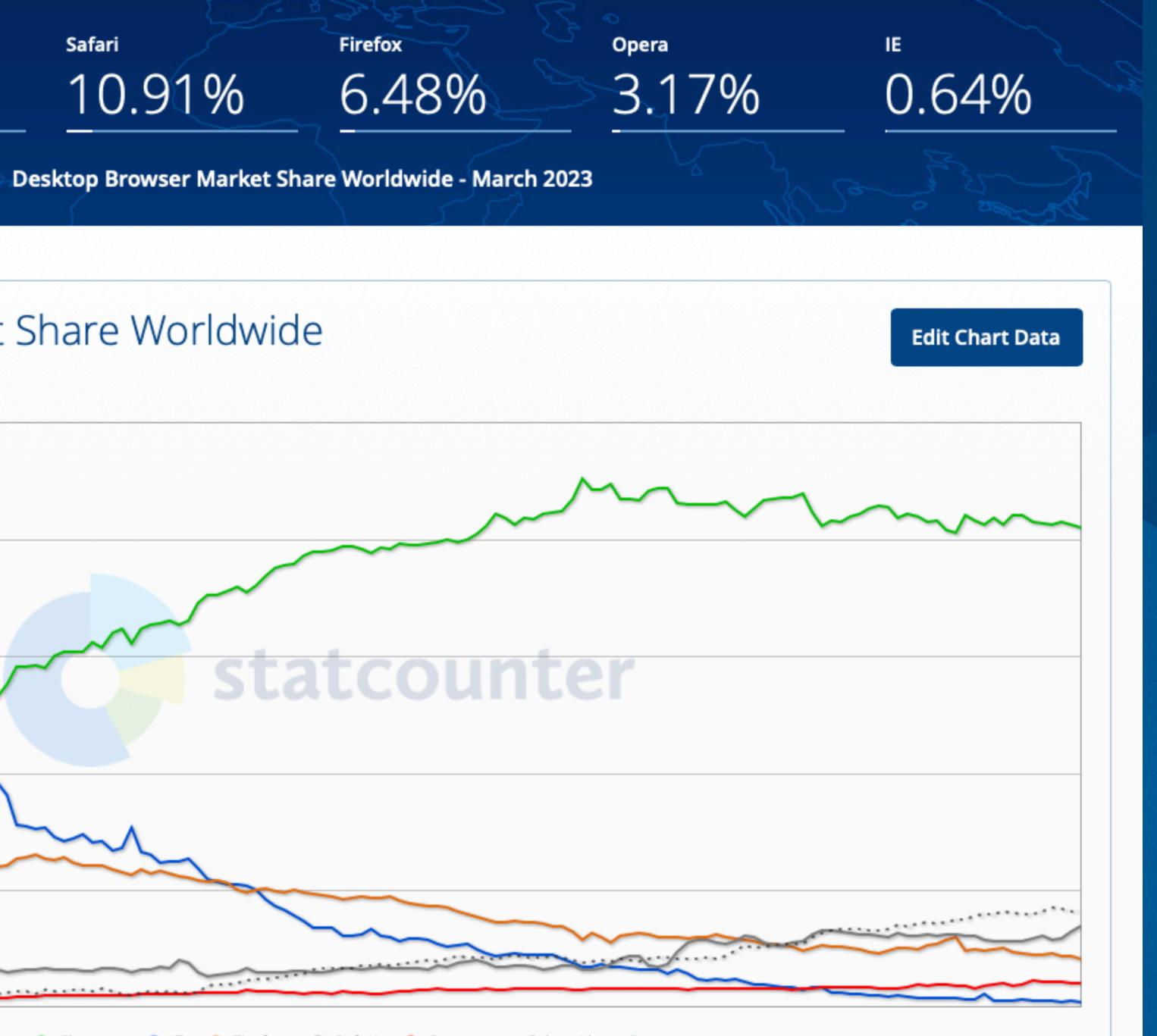
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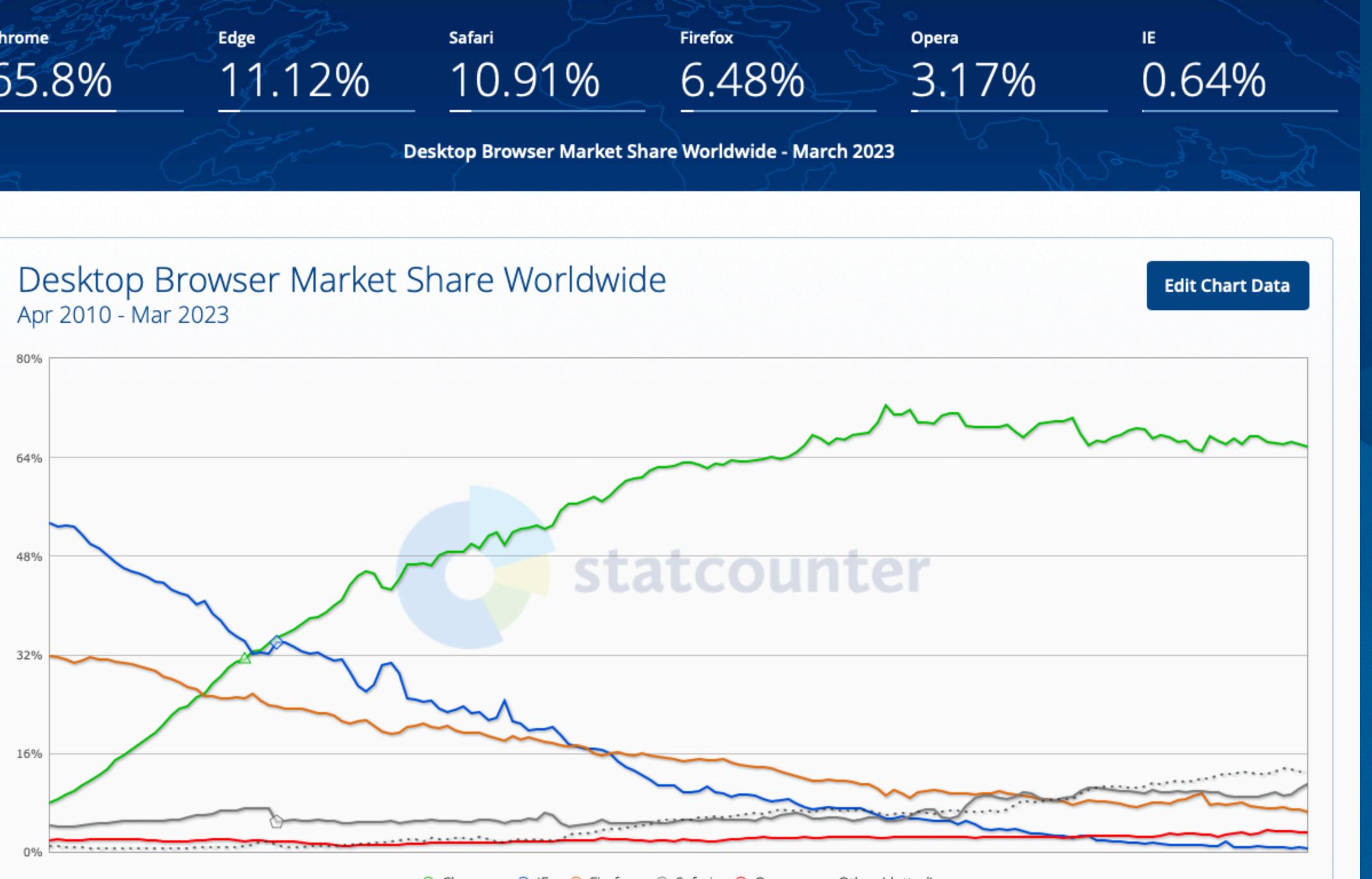






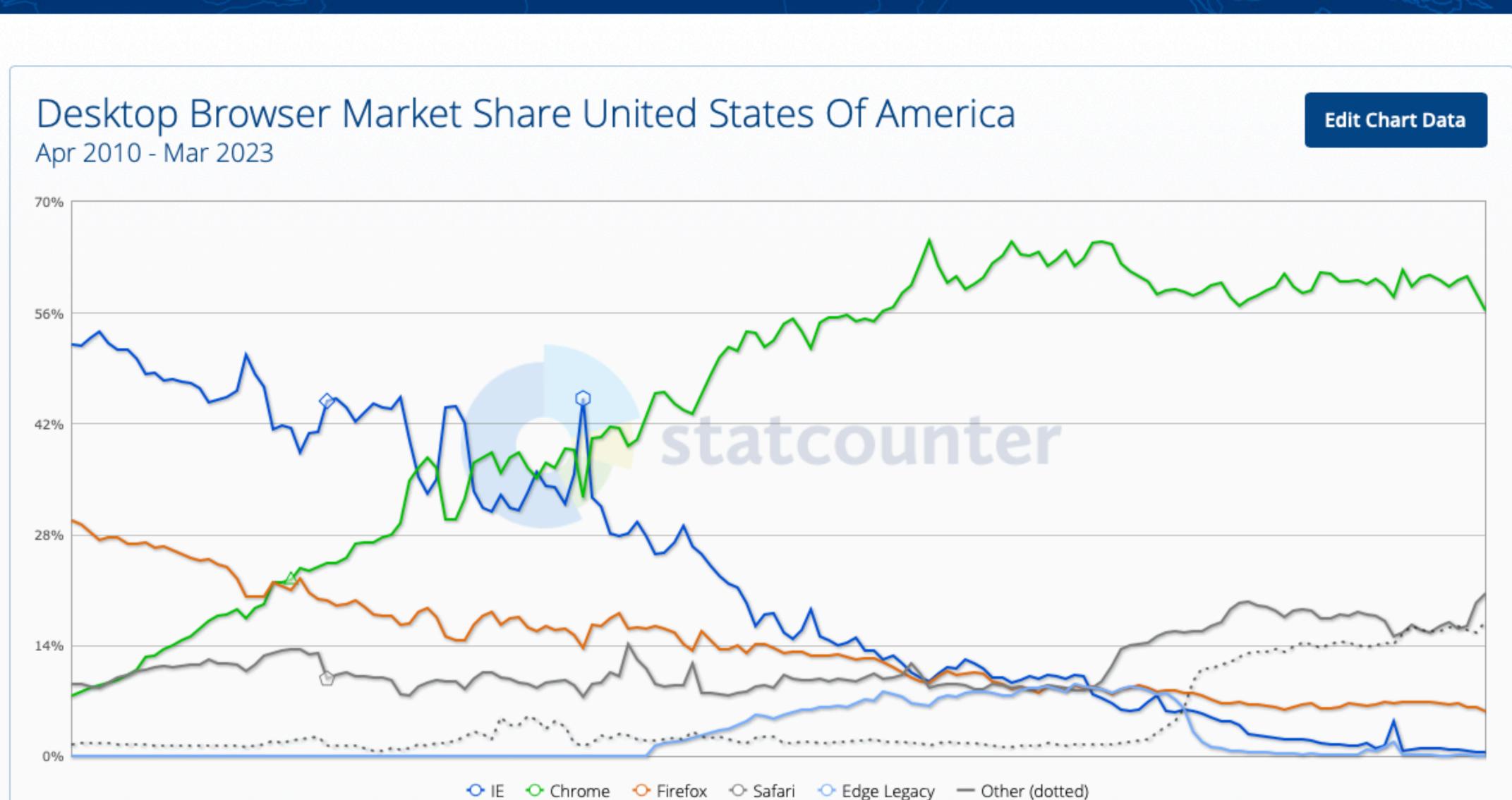






◆ Chrome ◆ IE ◆ Firefox ◆ Safari ◆ Opera — Other (dotted)

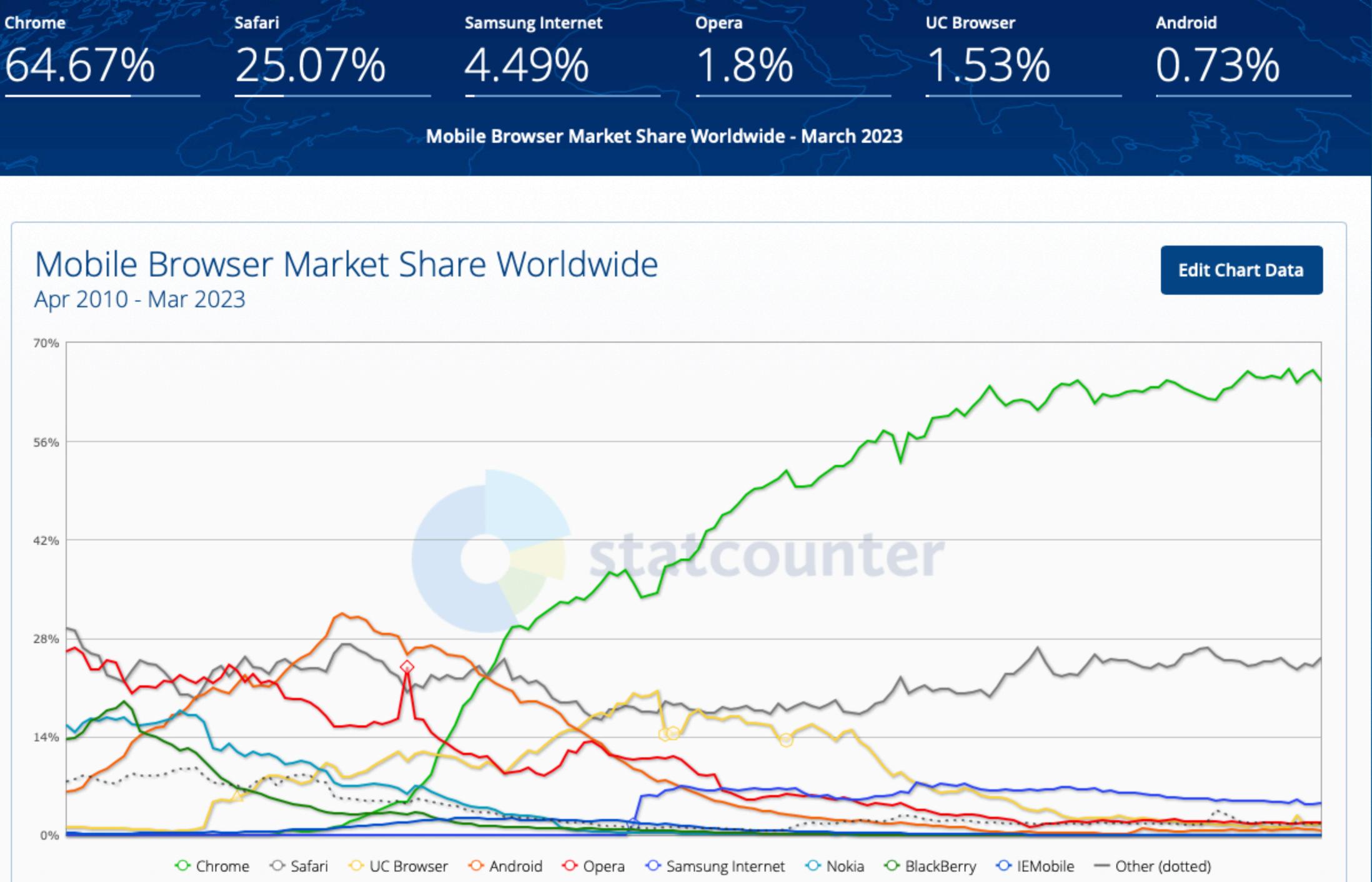




Desktop Browser Market Share in United States Of America - March 2023

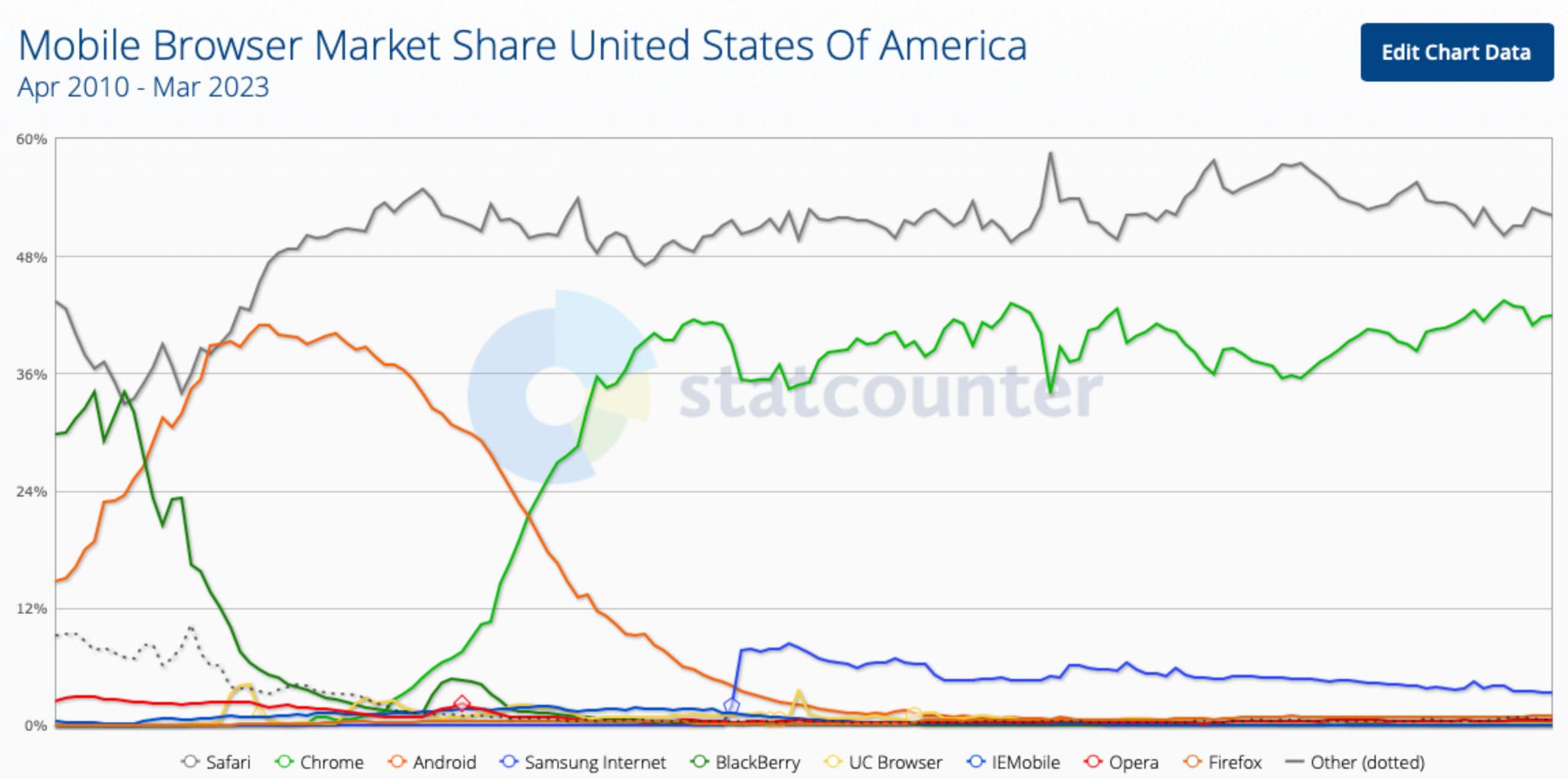
64.67%

### Apr 2010 - Mar 2023



Safari Chrome Samsung Internet 52.23% 41.91% 3.35%

### Apr 2010 - Mar 2023









Mobile



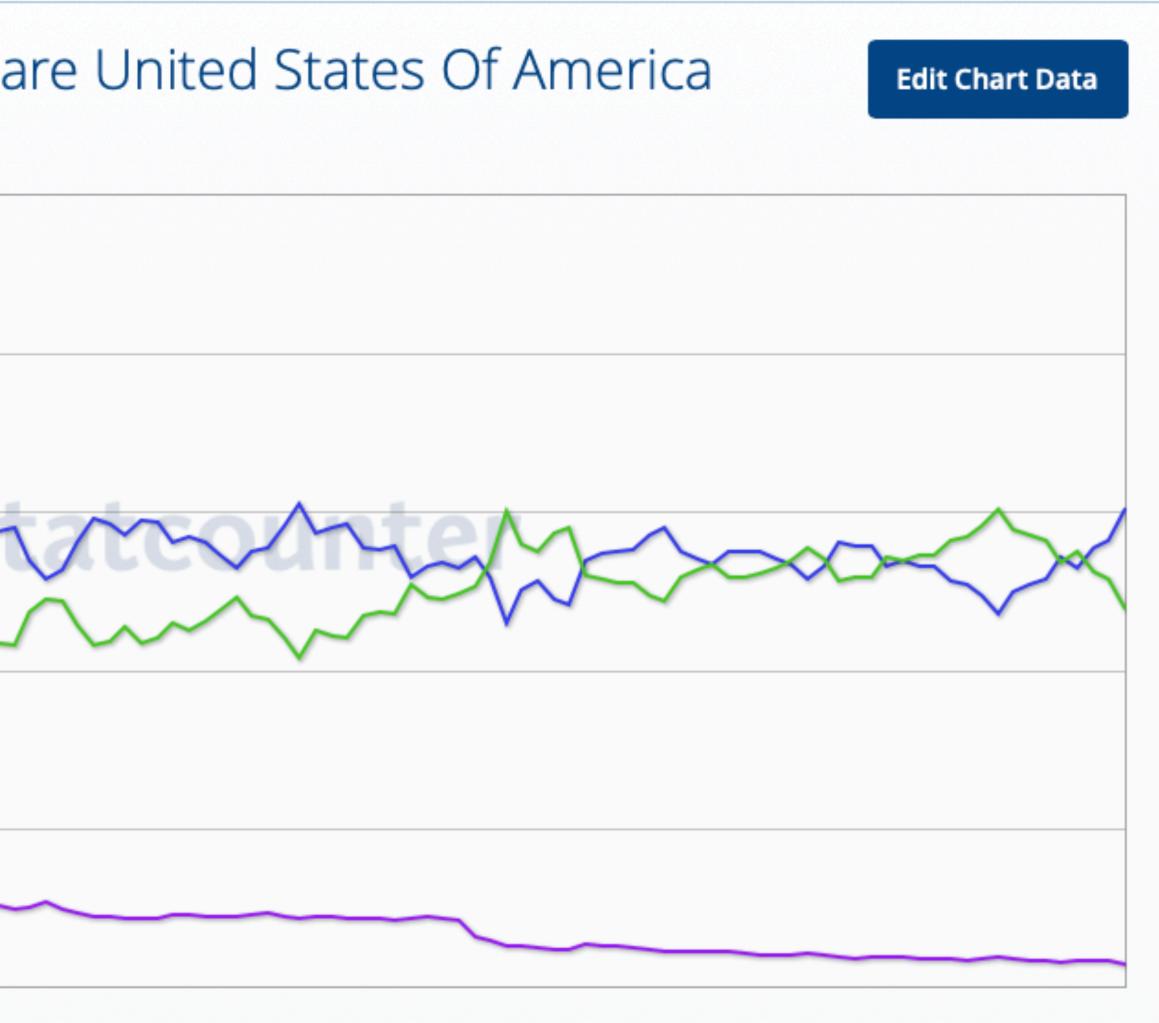
Desktop vs Mobile vs Tablet Market Share in United States Of America - March 2023

### Desktop vs Mobile vs Tablet Market Share United States Of America Aug 2012 - Mar 2023 90% 72% 54% 36% 18% 0%

◆ Desktop ◆ Mobile ◆ Tablet



2.6%





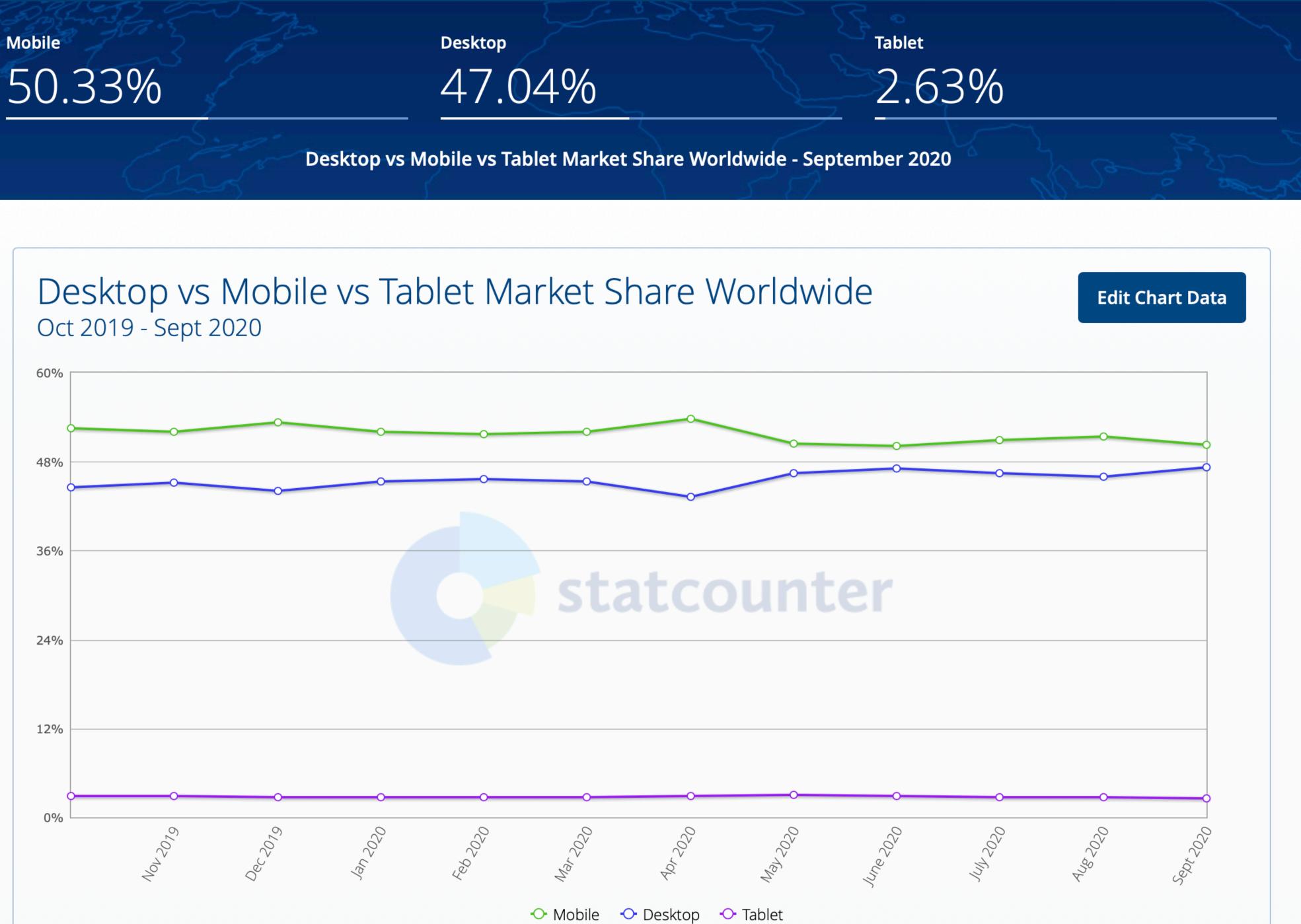


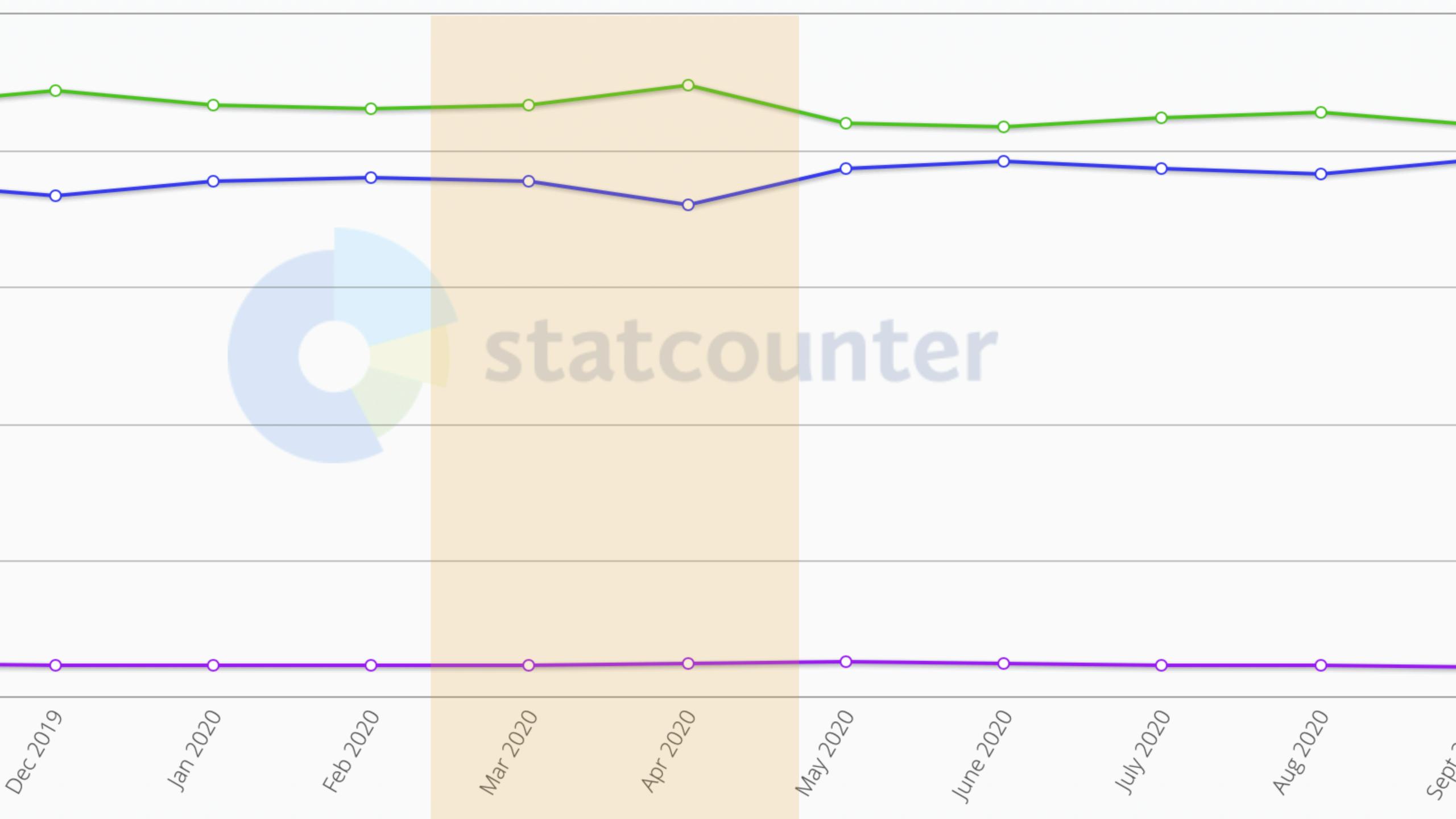
### 🔷 Desktop 🛛 🔷 Mobile 🛛 🔷 Tablet



Mobile

### Oct 2019 - Sept 2020





### Chromium for users: the web works

By a rough estimation of global market share, Chromium/Chrome browsers would make up for at least 70% of users. Then there's 15% of Webkit, mostly mobile Safari.

No sane developer would ignore mobile Safari, and Webkit is in many ways similar to Chromium (although growing apart), therefore, a base starting point is that 85% of users will experience a website exactly as it was intended. **At least**. That's pretty awesome.

It gets even better. Most websites do not use bleeding edge features or Chromium-only features, therefore Chromium dominance does not mean the same website would not work just as well in Firefox. Firefox is close to on par with Chromium regarding web standards. Even if slightly lagging behind, it doesn't mean websites will break in Firefox at scale. And if there's any issues, surely Mozilla will be eager to achieve compatibility asap.

Therefore, my very rough assessment is that for 90% of users, pretty much all of the web will work correctly and as intended by the creator. The exception would be parts of the web that are bleeding edge or experimental.

As strange as it sounds, in a competitive browser landscape where 3 engines would have an equal share, the above would not be as true. There would be far more compatibility issues. With our user hat on, the web works quite well in a Chromium world, where mobile Safari and Firefox combined are large enough to still keep the dominant engine in check.

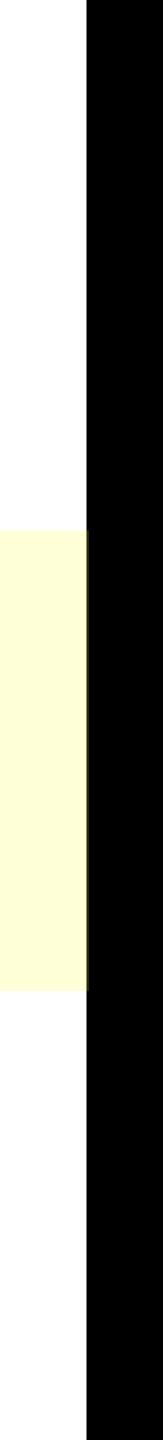
The other 10% is stuff like old IE, slow as its death will be, it will shrink eventually, boosting our 90% even further.

And there's more good news for users. With the exception of mobile Safari, all these browsers auto update on a frequent basis. Almost all web users will have up-to-date browsers to use an ever-improving web experience.

the same website would not work just as well in Firefox. Firefox is close to on par with Chromium regarding web standards. Even if slightly lagging behind, it doesn't mean websites will break in Firefox at scale. And if there's any issues, surely Mozilla will be eager to achieve compatibility asap.

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# Web Standards Triumvirate

# Structure HTML

### Presentation



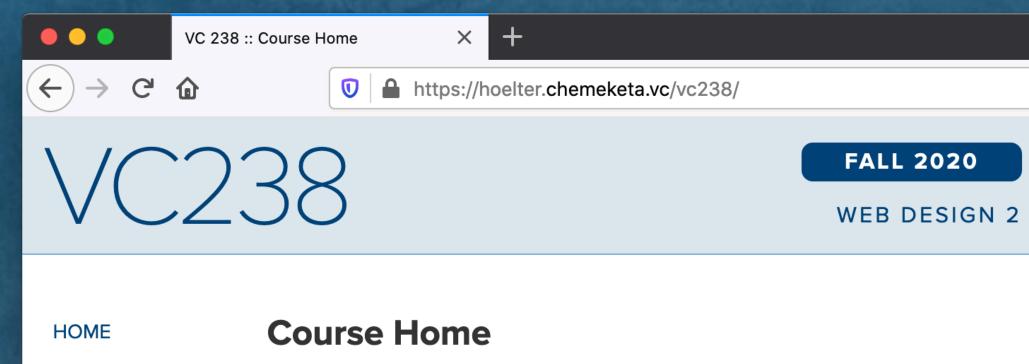
# **Browser Rendering Engines**

Engine	Browser		Supported Platforms
Gecko		Firefox	macOS, Windows, UNIX/Linux, Android
		Apple Safari	macOS, Windows, iOS devices
WebKit		<del>Chrome</del> Forked WebKit and moving to Blink	macOS, Windows, UNIX/Linux
		Any web browser on iOS	Apple requires all web browser activities on iOS to use WebKit

	iOS	iOS to use WebKit
Blink	Google Chrome	macOS, Windows, UNIX/Linux, Android
<b>Chromium</b> Open source version of Blink	Many browsers	macOS, Windows
Trident	Internet Explorer	Windows (now discontinued, thankfully)
<b>EdgeHTML</b> Moved to Chromium early-2019	Microsoft Edge	Windows 10; macOS
<b>Presto</b> Moved to <del>WebKit 2/13</del> Moved to Blink mid-2013	Opera	macOS, Windows, UNIX/Linux

# Web Inspectors





HOME	Course Home
SYLLABUS	
CALENDAR	Zoom Meeting Room Link
ONLINE	01 OCT Week One Thursday Class Session
CHALLENGES	Resources and links for our <b>Thursday of Week One</b> meeting.
EXERCISES	Class Notes
PROJECTS	Creative Briefs & Information Architecture
LINKS	Project
REFERENCES	CB & IA for Surf City Beach Cruisers

29 SEPT	Week One Tuesday Class Session Resources and links for our Tuesday of Week One meeting.				
	Class Notes				
	File Naming, Structure, & SFTP				
	Exercise <u>01 HTML Landing Page &amp; Folder Organization</u>				
	Challenge				
	01 Top Ten List				

### **28 SEPT** Welcome to Web Design 2

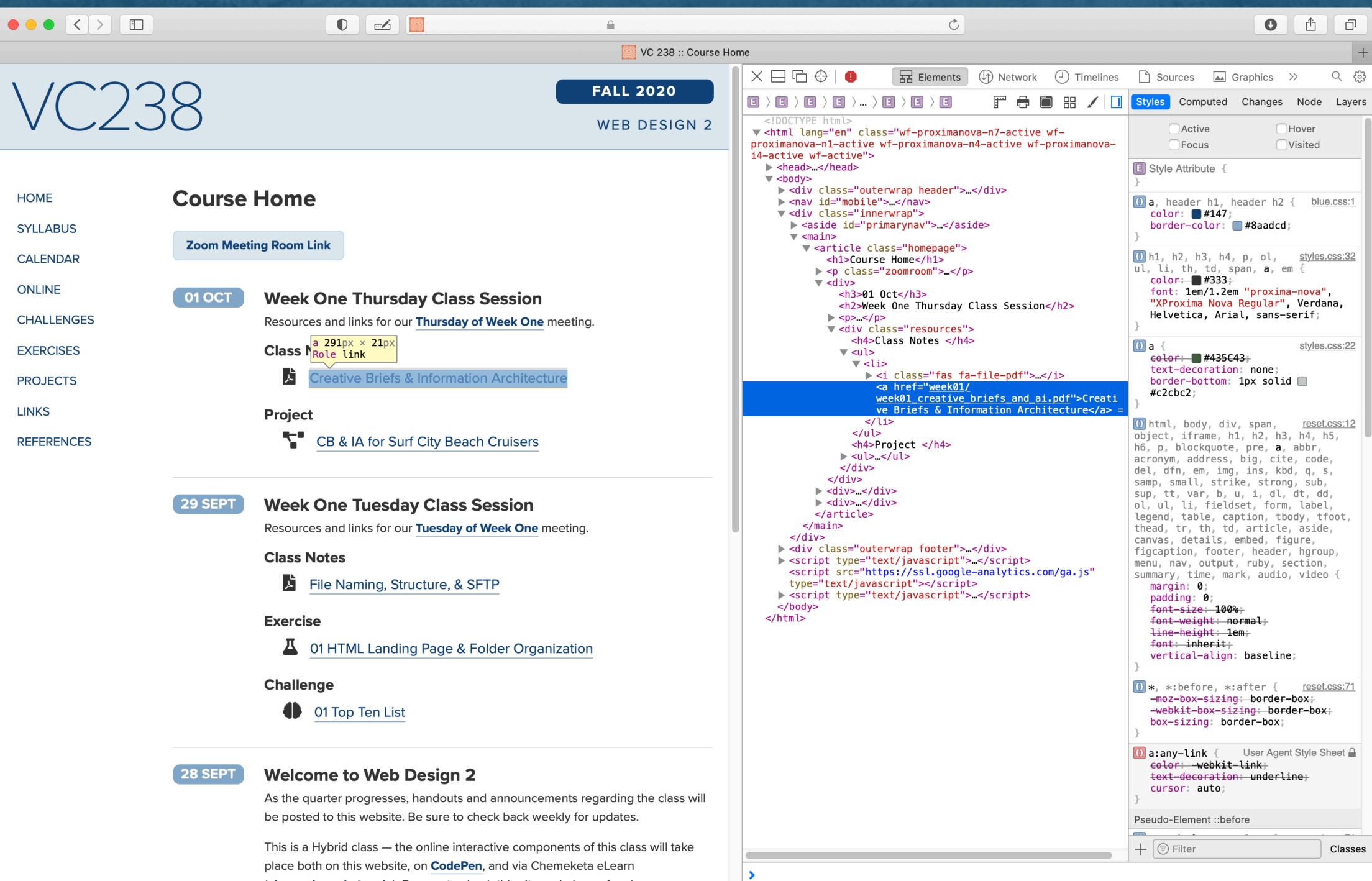
As the quarter progresses, handouts and announcements regarding the class will be posted to this website. Be sure to check back weekly for updates.

This is a Hybrid class — the online interactive components of this class will take place both on this website on CodePen and via Chemeketa

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CHALLENGES		Resources and links for our <b>Thursday of Week One</b> meeting.
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		As the quarter progresses, handouts and announcements regarding be posted to this website. Be sure to check back weekly for upda

(elearn.chemeketa.edu). Be sure to check this site and eLearn for class

# Introducing HTML5 Semantic Tags



<section></section>	The section element represe this context, is a thematic gro
<header></header>	The header element represe element is intended to usual hgroup element), but this is r section's table of contents, a
<footer></footer>	The footer element represent sectioning root element. A for who wrote it, links to related appear at the end of a section
<nav style="text-align: center;"></nav>	The nav element represents the page: a section with navi nav element — only sections the nav element.

ents a generic document or application section. A section, in rouping of content, typically with a heading.

ents a group of introductory or navigational aids. A header ally contain the section's heading (an h1—h6 element or an not required. The header element can also be used to wrap a a search form, or any relevant logos.

ents a footer for its nearest ancestor sectioning content or footer typically contains information about its section such as d documents, and the like. Footers don't necessarily have to on, though they usually do.

s a section of a page that links to other pages or to parts within /igation links. Not all groups of links on a page need to be in a s that consist of major navigation blocks are appropriate for



<aside></aside>	The aside element represent tangentially related to the considered separate from the in printed typography.
<article></article>	The article element represe composition in a document, independently distributable
<main></main>	Represents the main conten- element should be unique to used in an HTML page.

nts a section of a page that consists of content that is content around the aside element, and which could be hat content. Such sections are often represented as sidebars

ents a component of a page that consists of a self-contained , page, application, or site and that is intended to be or reusable, e.g. in syndication.

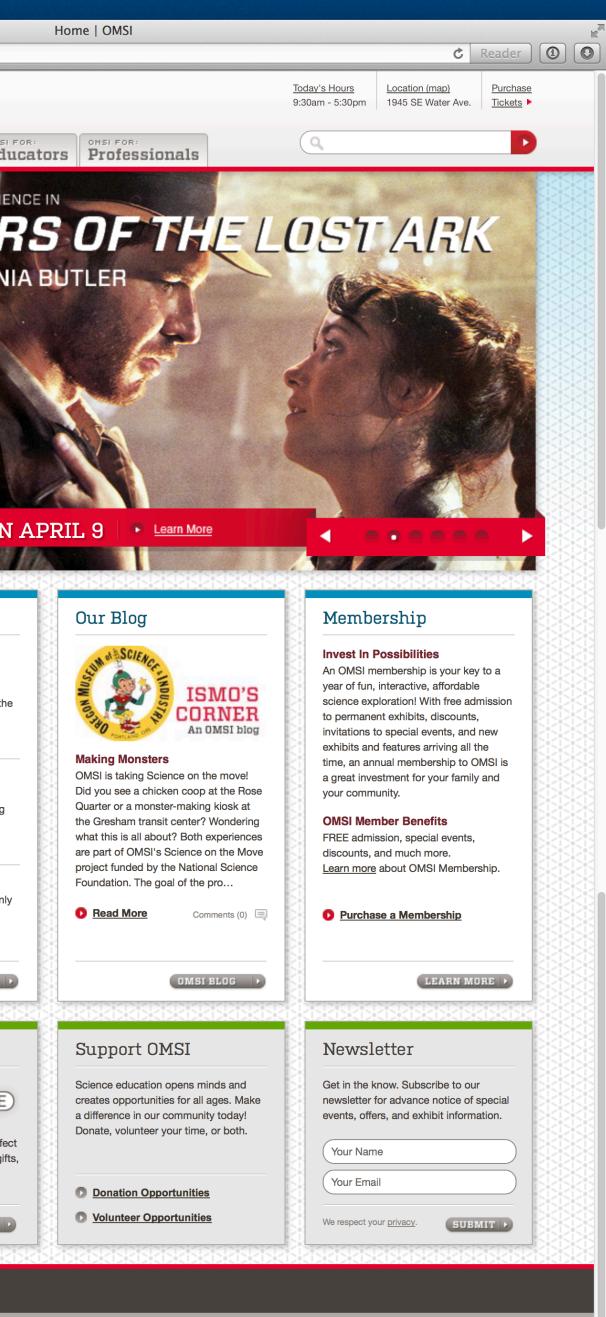
nt of the <body> of a document. The content of a <main> to the document. Note: Only one <main> element should be



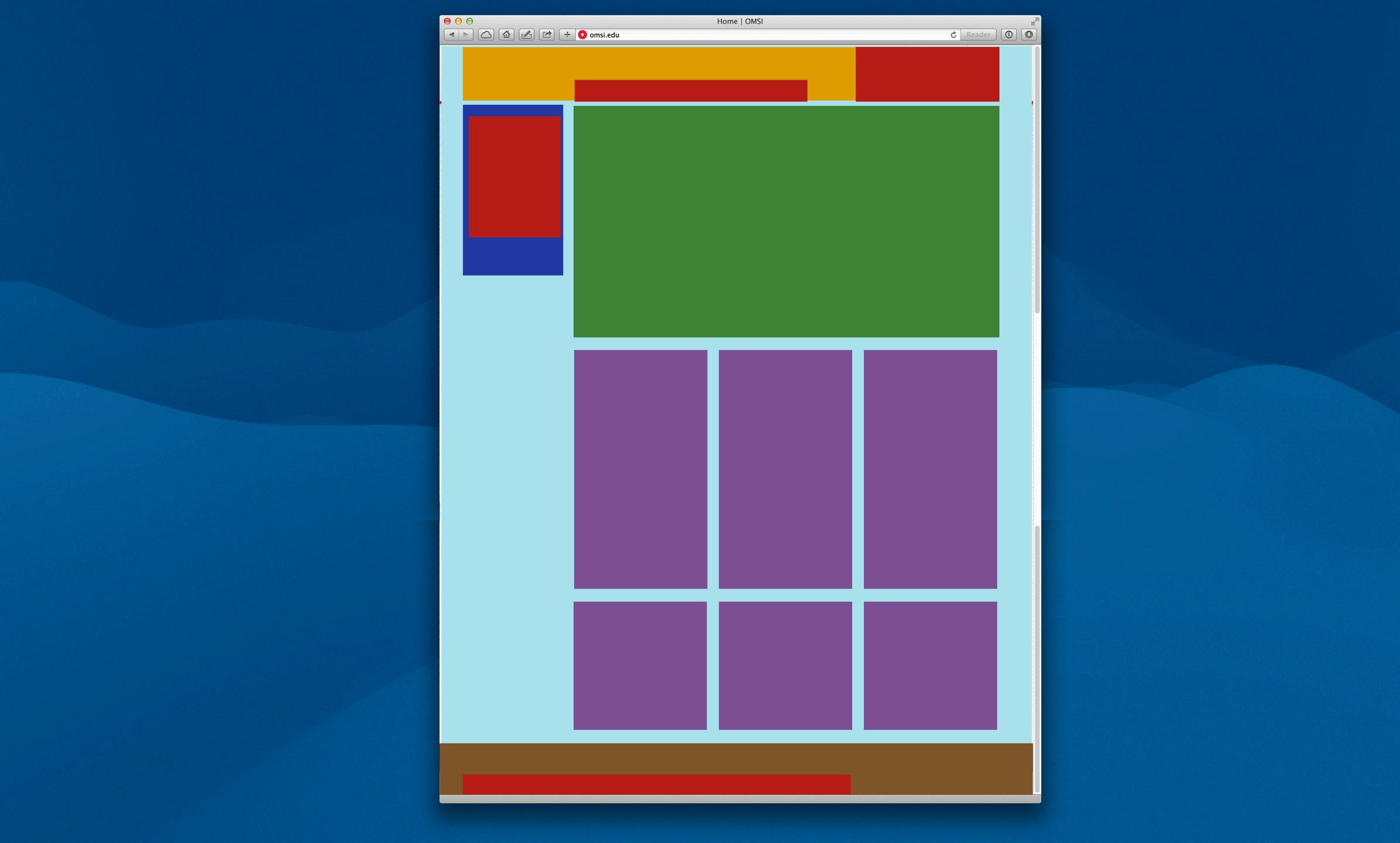
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*********	feeding behaviors  More Info
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	\$2 per person the first
	Sunday of every mo  More Info
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	OMSI SCIENCE STORE
KKKKKK	The OMSI Science Store has the perfect mix of educational and entertaining gifts
388888888	games, and gadgets. Shop in the museum or online.
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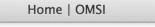


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Upcoming Events				
5	NW Kids Summer Camp Don't miss this "one-stop shop" opportunity to find the perfect Summer More Info			
5	Animal Behavior Visitors will learn and practice skills by observing feeding behaviors More Info			
6	<ul> <li>\$2 Days at OMSI</li> <li>Explore the museum for only</li> <li>\$2 per person the first</li> <li>Sunday of every mo</li> <li>More Info</li> <li>ALL EVENTS</li> </ul>			
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### **OMSI** SCIENCE STORE



# RS OF THE LOST ARK

Our Blog

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### Making Monsters

OMSI is taking Science on the move! Quarter or a monster-making kiosk at what this is all about? Both experiences are part of OMSI's Science on the Move project funded by the National Science Foundation. The goal of the pro...

Comments (0)

### **Volunteer Opportunities**

Membership

### Invest In Possibilities

An OMSI membership is your key to a year of fun, interactive, affordable invitations to special events, and new exhibits and features arriving all the time, an annual membership to OMSI is a great investment for your family and

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OMSI Member Benefits

discounts, and much more.

Purchase a Membership

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Header	Primary Nav
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	The OMSI Science Store has the perfect mix of educational and entertaining gifts, games, and gadgets. Shop in the museum or <u>online</u> . LEARN MORE >
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Making Monsters	
OMSI is taking Science on the move!	
Did you see a chicken coop at the Rose	
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what this is all about? Both experiences	
are part of OMSI's Science on the Move	
project funded by the National Science	
Foundation. The goal of the pro	
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science exploration! With free admission to permanent exhibits, discounts, invitations to special events, and new exhibits and features arriving all the time, an annual membership to OMSI is a great investment for your family and your community.

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FREE admission, special events, discounts, and much more. Learn more about OMSI Membershi

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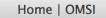
Newsletter Contents Ger Section events, offers, and exhibit information. Your Name Your Email

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	APR       \$2 Days at OMSI         G       Explore the museum for only \$2 per person the first Sunday of every mo         O       More Info         More Info       ALL EVENTS         Science Store Science Store for the sthe perfect mix of educational and entertaining gifts, games, and gadgets. Shop in the museum or online.
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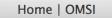
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<section> <section> est In Possibilities year of fun, interactive, affordable ISMO'S CORNER Making Monsters OMSI is taking Science on the move! OMSI Member Benefits what this is all about? Both experiences are part of OMSI's Science on the Move discounts, and much more. project funded by the National Science Foundation. The goal of the pro... Read More Purchase a Membership <section> <section> **Volunteer Opportunities** 

### <footer>

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o permanent exhibits, discounts, nvitations to special events, and new exhibits and features arriving all the ime, an annual membership to OMSI is a great investment for your family and your community.

OMSI Member Benefits FREE admission, special events discounts, and much more.

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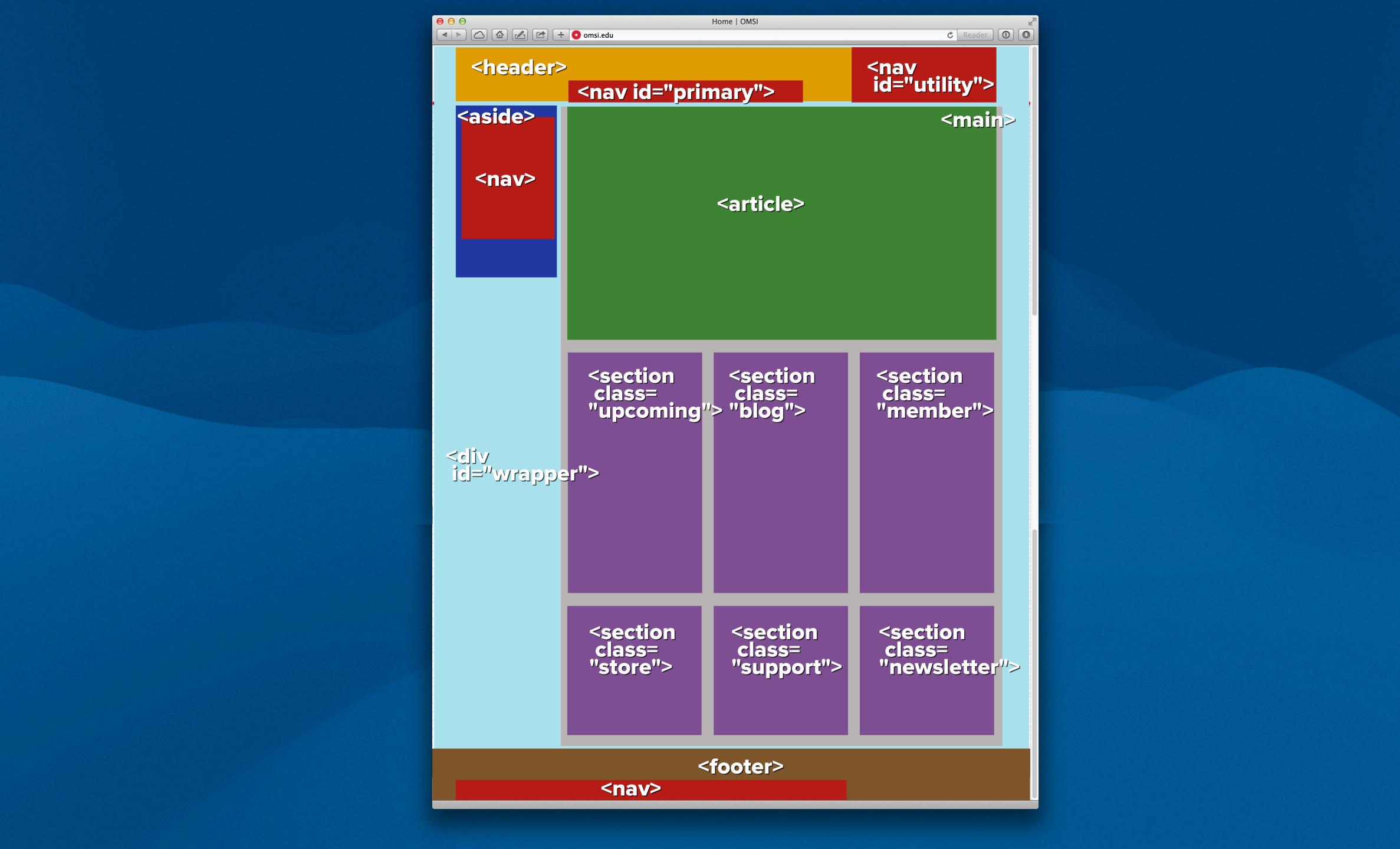
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Volunteer Opportunities

<footer>

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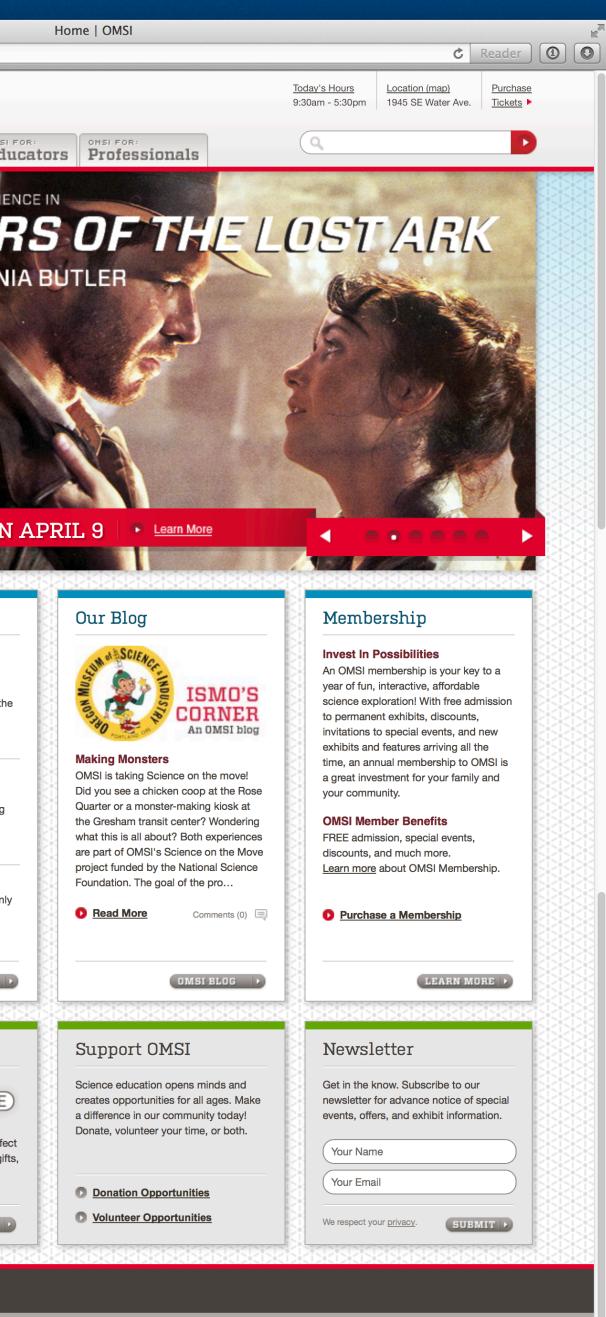
<section
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HOME O	ARCHAEOLOGICAL SCIE
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	REEL SCIENCE ON
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	Upcoming Events
XXXXXXX	APR NW Kids Summer
과과가가가가?	5 Camp Don't miss this "one-stop
	shop" opportunity to find the
XXXXXXXX	perfect Summer  More Info
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	Explore the museum for only \$2 per person the first
********	Sunday of every mo  More Info
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	ALL EVENTS
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22:22:22:22	Science Store
옷옷옷옷옷옷옷	
*******	OMSI SCIENCE STORE
XXXXXXX	
KKKKKK	The OMSI Science Store has the perfect mix of educational and entertaining gifts
333333333333	games, and gadgets. Shop in the
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