



# RWD

## Class 12

# Overview

**Updates on HTML/CSS Prototypes (30 min)**

**Chris Coyier (30 min)**

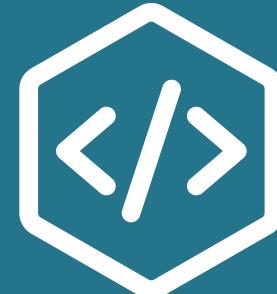
**Usability (15 min)**

**Accessibility (15 min)**

**Technical Testing (15 min)**

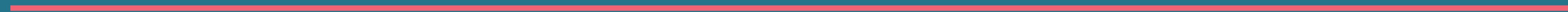
**Break (5 min)**

**Assignments Hands-On (60 min)**



# HTML/CSS & Wireframes

## Demos



# Chris Coyier



# Usability



# What Is Usability Testing?



# Design To Test

## Goals + Tasks

Facilitator  
Notetaker  
Participant  
(Observer)



# How Do We Design Effective Tasks?



---

# Scenario: Mini story

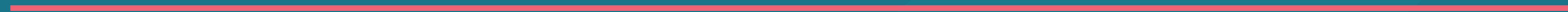
## Direct Task: Find this thing



# Avoid:

Using cues that lead users  
to the answers

# Ambiguity



**Website:** [www.ohio.gov](http://www.ohio.gov)

## Goals:

Provide access to Ohio tax filing and refunds.

Allow residents to easily look up Ohio agency contact information.

Allow residents to search for jobs in Ohio

Provide a list of things to do in Ohio for visitors

Allow Ohio new businesses to easily get started.

Provide access to vehicle registration services.

Provide access to vehicle registration services.

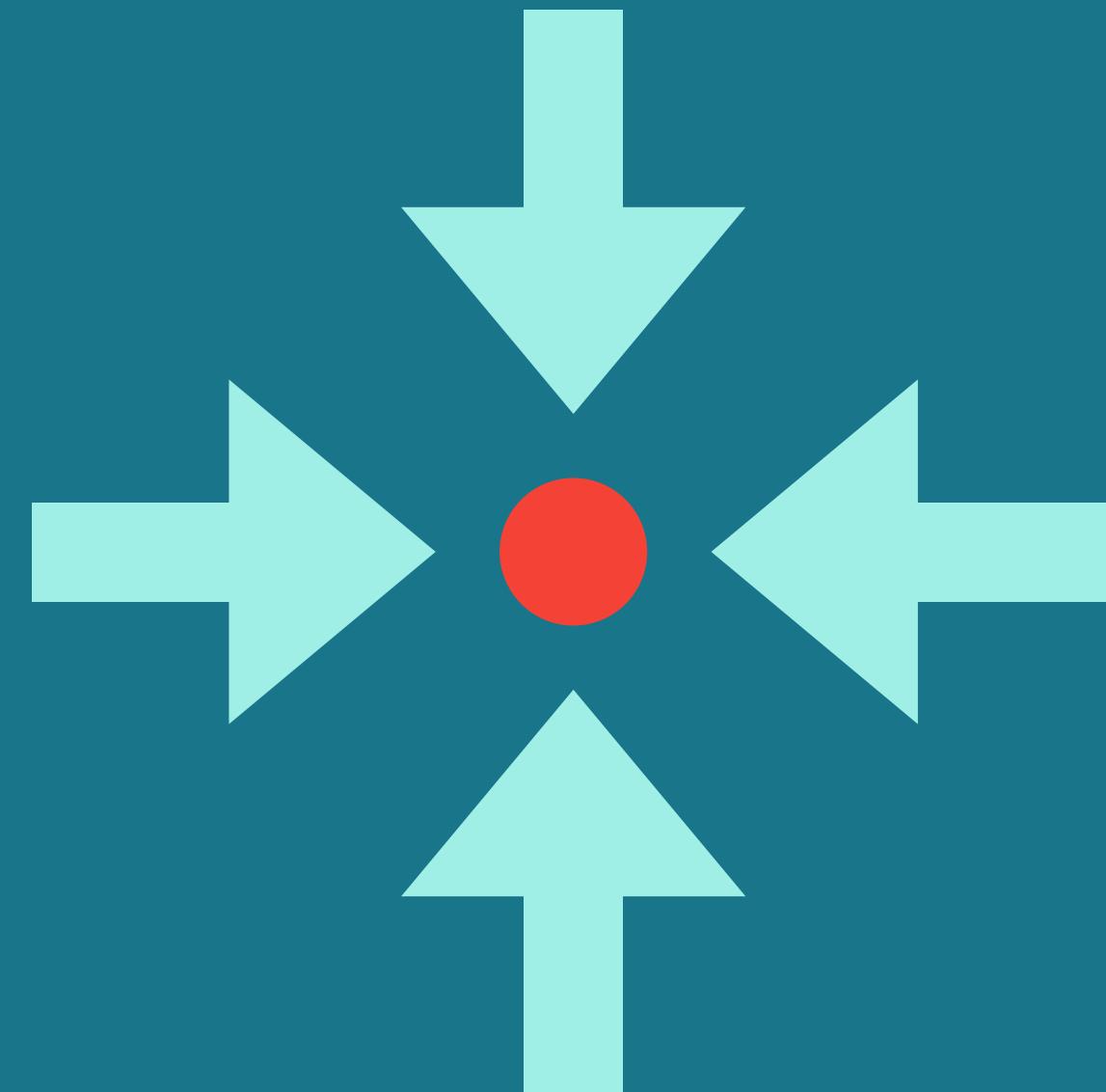
Guide voters to registration services and polling locations.



## Tasks:

1. You've recently filed your Ohio state taxes and want to check on the status of your refund. How would you do this on [ohio.gov](#)?
2. You've just gotten a letter in the mail telling you that you need to renew your motorcycle's license plates. Start the renewal process.
3. You're voting with an absentee ballot in the upcoming election and need to know the latest date it can be returned by mail in order to be counted.





# Analyzing Results



# What's Actionable? High Priority?



Steve Krug



DON'T  
MAKE  
ME  
THINK  
*Revisited*

and Mobile

A Common Sense Approach to Web Usability



# Accessibility



# What's Accessibility?



Hearing (Auditory)

Seeing (Visual)

Motor

Cognitive

Temporary



# How Can We Make Websites With Accessibility in Mind?



# Alt Text

alt="<content>"

Use for any image that is used as content. Describes function of an image.



# ARIA (Assistive Rich Internet Applications)

role="<ROLE TYPE>"



banner

search

form

main

navigation

contentinfo



<http://a11yproject.com>



# Example:

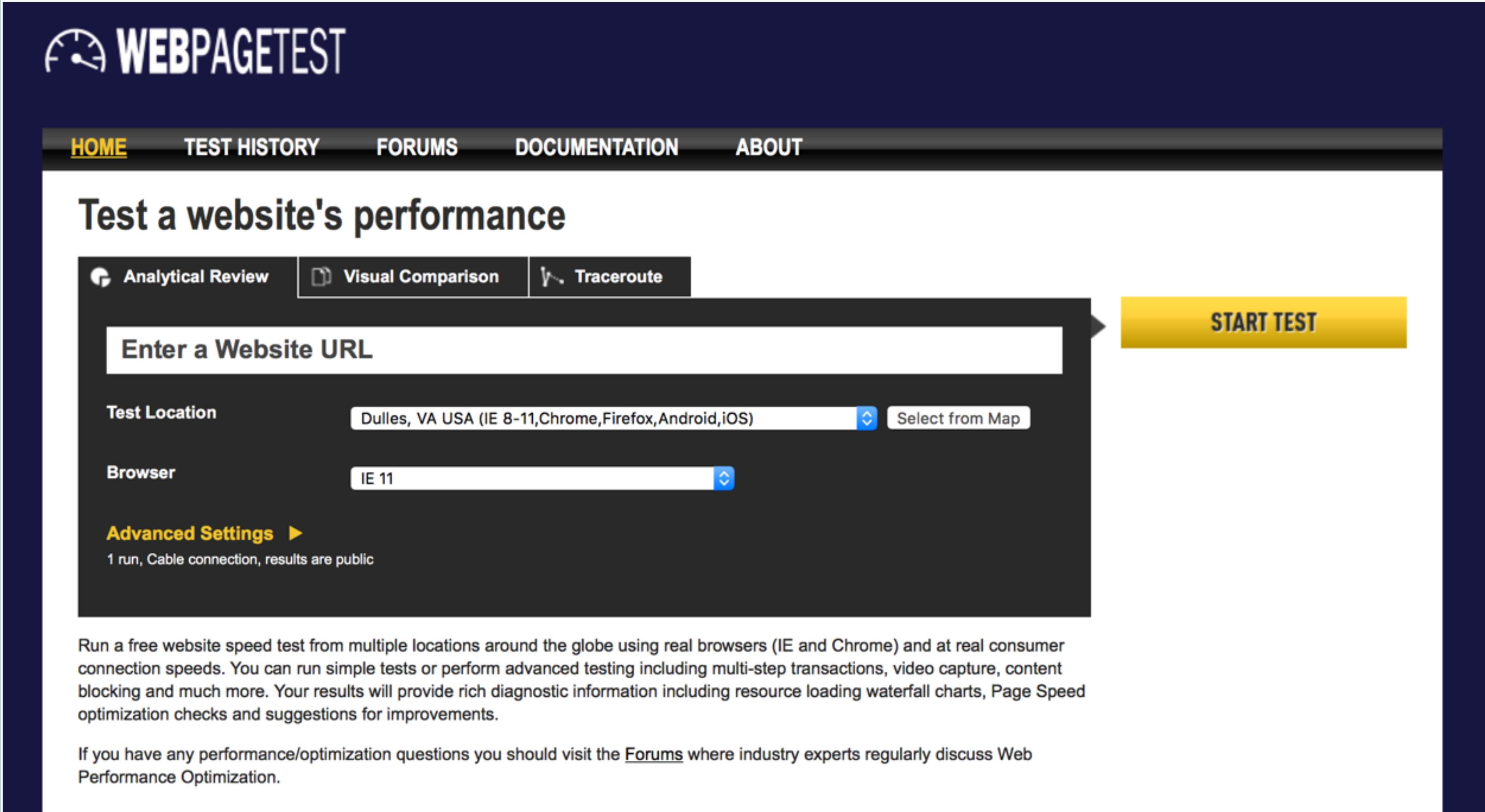
<http://rwdkent.com>

Press Command + F5 on Mac



# Technical & Performance Testing





The screenshot shows the homepage of webpagetest.org. At the top, there's a dark header with the "WEBPAGETEST" logo featuring a clock icon. Below the header is a navigation bar with links for HOME, TEST HISTORY, FORUMS, DOCUMENTATION, and ABOUT. The main content area has a dark background with white text. It starts with a heading "Test a website's performance". Below this are three buttons: "Analytical Review", "Visual Comparison", and "Traceroute". A large input field labeled "Enter a Website URL" is followed by a prominent yellow "START TEST" button. Underneath, there are dropdown menus for "Test Location" set to "Dulles, VA USA (IE 8-11,Chrome,Firefox,Android,iOS)" and "Browser" set to "IE 11". There's also a "Select from Map" option. A "Advanced Settings" link with a dropdown arrow is present, showing "1 run, Cable connection, results are public". At the bottom of the main content area, there's descriptive text about the service and a link to the forums.

WEBPAGETEST

HOME TEST HISTORY FORUMS DOCUMENTATION ABOUT

Test a website's performance

Analytical Review Visual Comparison Traceroute

Enter a Website URL

Test Location Dulles, VA USA (IE 8-11,Chrome,Firefox,Android,iOS) Select from Map

Browser IE 11

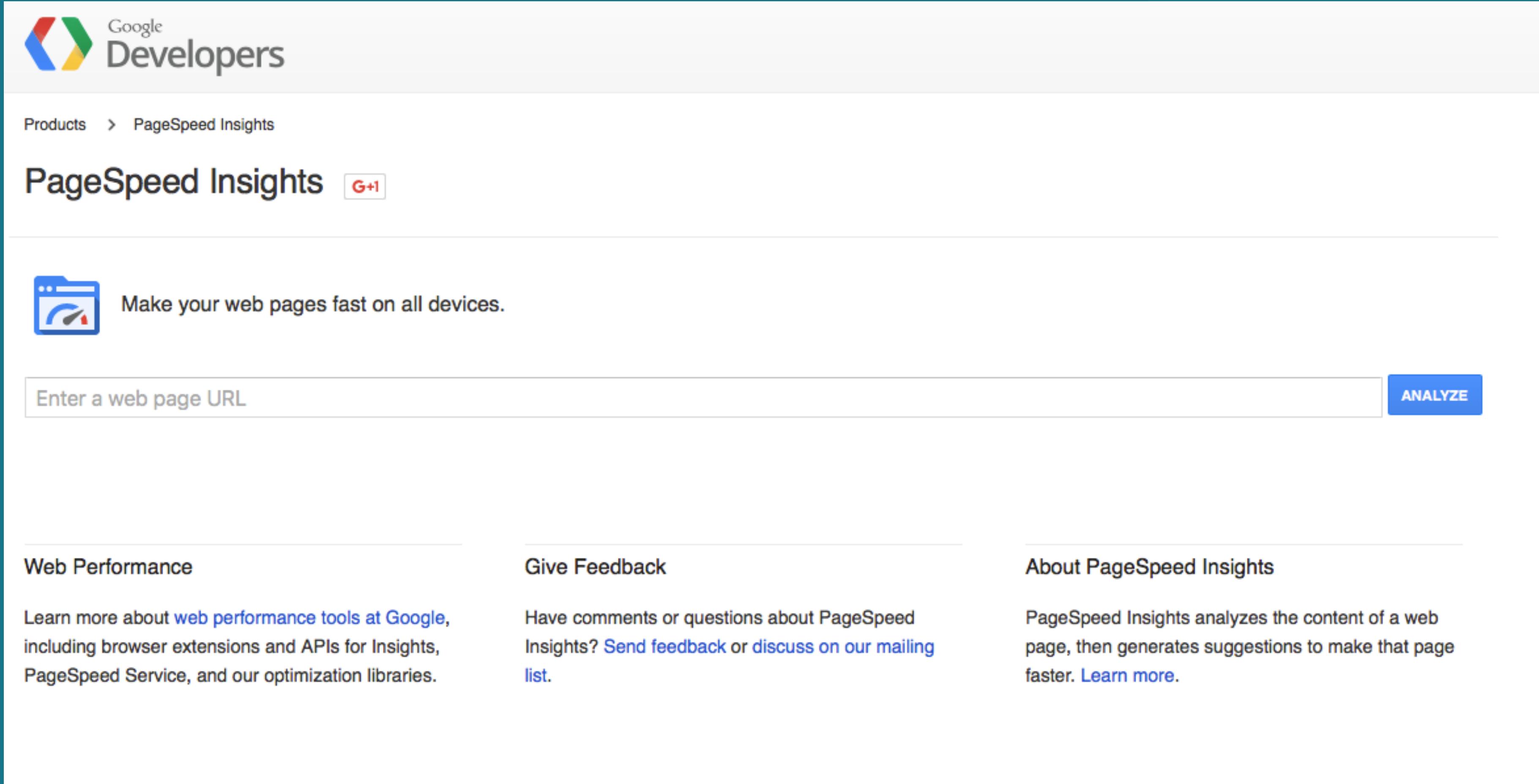
Advanced Settings ▶  
1 run, Cable connection, results are public

Run a free website speed test from multiple locations around the globe using real browsers (IE and Chrome) and at real consumer connection speeds. You can run simple tests or perform advanced testing including multi-step transactions, video capture, content blocking and much more. Your results will provide rich diagnostic information including resource loading waterfall charts, Page Speed optimization checks and suggestions for improvements.

If you have any performance/optimization questions you should visit the [Forums](#) where industry experts regularly discuss Web Performance Optimization.



# Google PageSpeed



The screenshot shows the Google PageSpeed Insights homepage. At the top left is the Google Developers logo. Below it, the navigation bar includes 'Products' and 'PageSpeed Insights'. The main title 'PageSpeed Insights' is centered above a sub-header 'Make your web pages fast on all devices.' which features a speedometer icon. Below this is a search bar with the placeholder 'Enter a web page URL' and a blue 'ANALYZE' button. The page is divided into three columns: 'Web Performance' (with a link to web performance tools), 'Give Feedback' (with a link to send feedback or discuss on a mailing list), and 'About PageSpeed Insights' (with a link to learn more about the service). A red horizontal bar runs across the bottom of the page.

Google Developers

Products > PageSpeed Insights

## PageSpeed Insights G+1

Make your web pages fast on all devices.

Enter a web page URL ANALYZE

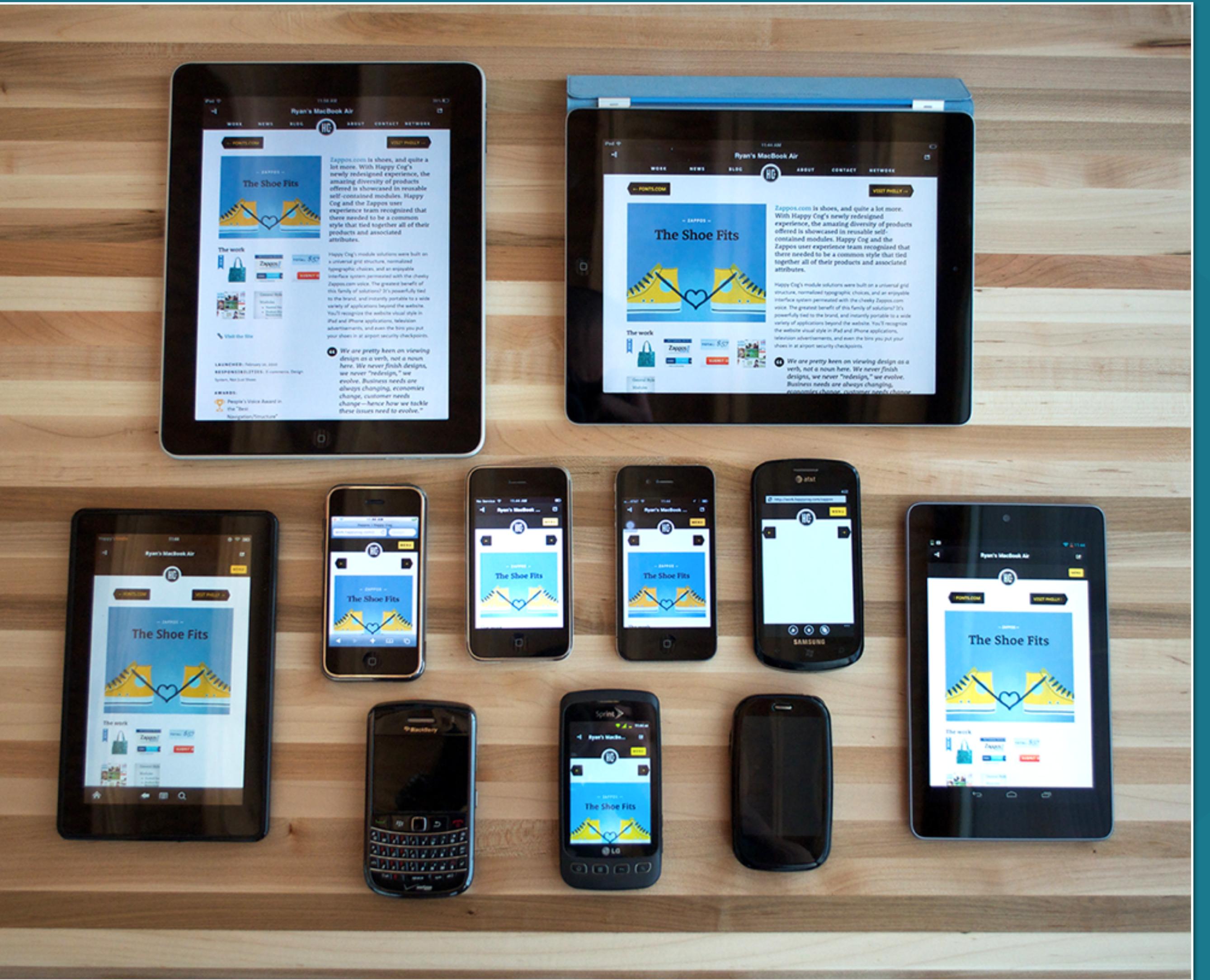
---

**Web Performance**  
Learn more about [web performance tools at Google](#), including browser extensions and APIs for Insights, PageSpeed Service, and our optimization libraries.

**Give Feedback**  
Have comments or questions about PageSpeed Insights? [Send feedback or discuss on our mailing list](#).

**About PageSpeed Insights**  
PageSpeed Insights analyzes the content of a web page, then generates suggestions to make that page faster. [Learn more](#).





<http://cognition.happycog.com/m/content/devicelab.png>

# opendevicelab.com

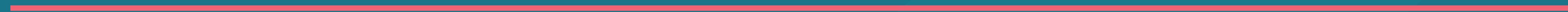


<http://cognition.happycog.com/m/content/devicelab.png>

# Browser Testing

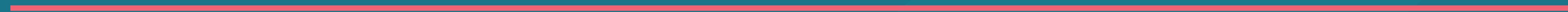


# Usability Study Preparation



# HTML/CSS Templates

## Hands-On



# Quick Notes

Adobe XD

iPad Pro

## Tweet of The Week



# For Next Time

Nothing Needs Turned

Refine your usability/performance testing plan

Work on your HTML/CSS prototypes

Articles on Pattern Library & Style Guides

