Testing, bugs, and compression

There are a number of checks we need to make before we launch (publish and link our domain) our website:

* Content (Proof-read)
* Style Problems (cross-browser testing)
* Validate code
* Images sizes and alt tags
* Site weight & compression

## How to check styles

As a quick check of mobile styles you can just resize your browser to see if it works.

Some project teams sometimes use websites like [BrowserStack](https://www.browserstack.com/) or [CrrossBrowserTesting](https://crossbrowsertesting.com/), which doesn’t provide an absolute certain result.

The best guaranteed testing is to actually check on the device and browser. Project teams use a QA (quality assurance test) teams to manually test each device. For small projects it might be more effective ask friends if you can view your project on their device.

## What browsers / devices to check?

Many project teams decide and agree what browsers, devices and versions to check before starting a project.

For cross-browser testing, the most popular browsers are: Chrome, Firefox, Safari, Microsoft Edge, Opera.

As a general rule you should test on Mac and PC. Mobile devices change more frequently than desktop or laptop devices currently [BrowserStack](https://www.browserstack.com/) recommends testing these mobile devices:

* Apple iPhone XS 12.0
* Apple iPhone 8 11.0
* Google Pixel 8.0
* Samsung Galaxy S8 7.0
* Apple iPad 6th Tablet 11.0
* Google Nexus 7

## Code validation

Check that the coding is in compliance with the standards without errors.

The [World Wide Web Consortium (W3C)](https://www.w3.org/) is an international standards community where Member organizations, a full-time staff, and the public work together to develop Web standards.

W3C and others have various tools to help you check your code:

* [w3c.github.io/developers/tools](https://w3c.github.io/developers/tools/)
* [validator.w3.org](https://validator.w3.org/)
* [www.css-validator.org](http://www.css-validator.org/)
* [codebeautify.org/jsvalidate](https://codebeautify.org/jsvalidate)

## Image compression and alt tags

Manually check all your images have alt tags.

Many people use photoshop to compress images, you can also use [Compressor.io](https://compressor.io/)

## Compression

JavaScript and css should be crunched down to a smaller size for faster speeds.

* [https://developers.google.com/speed/pagespeed/insights](https://developers.google.com/speed/pagespeed/insights/)
* <https://cssminifier.com>
* <https://javascript-minifier.com>

## Other tools:

<https://autoprefixer.github.io>