

# The Front-End Checklist

The Front-End Checklist Application is perfect for modern websites and meticulous developers!

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## Filter by tags

- 

## Head

0 % Head items are ✓

- 

Doctype: The Doctype is HTML5 and is at the top of all your HTML pages.

- META TAG
- Charset: The charset declared (UTF-8) is declared correctly.
- META TAG
- Viewport: The viewport is declared correctly.
- META TAG
- Title: A title is used on all pages
- META TAG
- Description: A meta description is provided, it is unique and doesn't possess more than 150 characters.
- META TAG
- Favicons: Each favicon has been created and displays correctly.
- META TAG
- Apple Web App Meta: Apple meta-tags are present.
- META TAG
- Windows Tiles: Windows tiles are present and linked.
- META TAG
- Canonical: Use rel="canonical" to avoid duplicate content.
- META TAG

- Language attribute: The `<lang>` attribute of your website is specified and related to the language of the current page.
- HTML TAG
- Direction attribute: The direction of text is specified on the html tag (It can be used on another HTML tag).
- HTML TAG
- Alternate language: The language tag of your website is specified and related to the language of the current page.
- HTML TAG
- Conditional comments: Conditional comments are present for IE if needed.
- HTML TAG
- RSS feed: If your project is a blog or has articles, an RSS link was provided.
- HTML TAG
- Inline critical CSS: The inline critical CSS is correctly injected in the HEAD.
- HTML TAG
- CSS
- PERFORMANCE
- CSS order: All CSS files are loaded before any JavaScript files in the HEAD
- HTML TAG
- Facebook Open Graph:
- SOCIAL META
- TESTING
- Twitter Card:
- SOCIAL META
- TESTING

## HTML

0 % HTML items are ✓

- 

HTML5 Semantic Elements: HTML5 Semantic Elements are used appropriately (header, section, footer, main...).

- HTML
- BEST PRACTICES
- Error pages: Error 404 page and 5xx exist
- HTML

- BEST PRACTICES
- Noopener: In case you are using external links with target="\_blank", your link should have a rel="noopener" attribute to prevent tab nabbing. If you need to support older versions of Firefox, use rel="noopener noreferrer"
- HTML
- BEST PRACTICES
- SECURITY
- Clean up comments: Unnecessary code needs to be removed before sending the page to production.
- HTML
- BEST PRACTICES
- W3C compliant: All pages need to be tested with the W3C validator to identify possible issues in the HTML code.
- HTML
- TESTING
- HTML Lint: I use tools to help me analyze any issues I could have on my HTML code.
- HTML
- TESTING
- Link checker: There are no broken links in my page, verify that you don't have any 404 error.
- HTML
- TESTING
- Adblockers test: Your website shows your content correctly with adblockers enabled
  - HTML
  - TESTING

## Webfonts

0 % Webfonts items are ✓

- 

Webfont format: WOFF, WOFF2 and TTF are supported by all modern browsers.

- WEBFONT
- Webfont size: Webfont sizes don't exceed 100 KB (all variants included).
- WEBFONT
- Webfont loader: Control loading behavior with a webfont loader.
- WEBFONT

# CSS

0 % CSS items are ✓

- 
- Responsive Web Design: The website is using responsive web design.
- CSS
- CSS Print: A print stylesheet is provided and is correct on each page.
- CSS
- Unique ID: If IDs are used, they are unique to a page.
- CSS
- Reset CSS: A CSS reset (reset, normalize or reboot) is used and up to date.
- CSS
- JS prefix: All classes (or id- used in JavaScript files) begin with js- and are not styled into the CSS files.
- JAVASCRIPT
- BEST PRACTICES
- Embedded or inline CSS: Avoid at all cost embedding CSS in <style> tags or using inline CSS
- CSS
- Vendor prefixes: CSS vendor prefixes are used and are generated accordingly with your browser support compatibility.
- CSS
- Concatenation: CSS files are concatenated in a single file (Not for HTTP/2).
- CSS
- PERFORMANCE
- Minification: All CSS files are minified.
- CSS
- PERFORMANCE
- Non-blocking: CSS files need to be non-blocking to prevent the DOM from taking time to load.
- CSS
- PERFORMANCE
- Stylelint: All CSS or SCSS files are without any errors.
- CSS
- TESTING

- Responsive web design: All pages were tested with the correct breakpoints.
- CSS
- TESTING
- CSS Validator: The CSS was tested and pertinent errors were corrected.
- CSS
- TESTING
- Desktop Browsers: All pages were tested on all current desktop browsers (Safari, Firefox, Chrome, Internet Explorer, EDGE...)
- CSS
- TESTING
- Mobile Browsers: All pages were tested on all current mobile browsers (Native browser, Chrome, Safari...)
- CSS
- TESTING
- OS: All pages were tested on all current OS (Windows, Android, iOS, Mac...)
- CSS
- TESTING
- Reading direction: All pages need to be tested for LTR and RTL languages if they need to be supported.
- CSS
- TESTING

## JavaScript

0 % JavaScript items are ✓

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- JavaScript Inline: You don't have any JavaScript code inline (mixed with your HTML code).
- JAVASCRIPT
- Concatenation: JavaScript files are concatenated.
- JAVASCRIPT
- Minification: JavaScript files are minified (you can add the .min suffix).
- JAVASCRIPT
- JavaScript security:
- JAVASCRIPT
- SECURITY

- noscript tag: Use `<noscript>` tag in the HTML body if a script type on the page is unsupported or if scripting is currently turned off in the browser. This will be helpful in client-side rendering heavy apps such as React.js.
- JAVASCRIPT
- Non-blocking: JavaScript files are loaded asynchronously using `async` or `deferred` using `defer` attribute.
- JAVASCRIPT
- PERFORMANCE
- Modernizr: If you need to target some specific features you can use a custom Modernizr to add classes in your `<html>` tag.
- JAVASCRIPT
- ESLint: No errors are flagged by ESLint (based on your configuration or standards rules).
- JAVASCRIPT
- TESTING

## Images

0 % Images items are ✓

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Optimization: All images are optimized to be rendered in the browser. WebP format could be used for critical pages (like Homepage)

- IMAGES
- BEST PRACTICES
- Picture/Srcset: You use `picture/srcset` to provide the most appropriate image for the current viewport of the user.
- IMAGES
- Retina: You provide layout images 2x or 3x, support retina display.
- IMAGES
- Sprite: Small images are in a sprite file (in the case of icons, they can be in an SVG sprite image).
- IMAGES
- Width and Height: Set width and height attributes on `<img>` if the final rendered image size is known (can be omitted for CSS sizing).
- IMAGES
- Alternative text: All `<img>` have an alternative text which describe the image visually.
- IMAGES
- Lazy loading: Images are lazyloaded (A noscript fallback is always provided).

- IMAGES
- PERFORMANCE

## Accessibility

0 % Accessibility items are ✓

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Progressive enhancement: Major functionality like main navigation and search should work without JavaScript enabled.

- BEST PRACTICES
- Color contrast: Color contrast should at least pass WCAG AA (AAA for mobile).
- BEST PRACTICES
- H1: All pages have an H1 which is not the title of the website.
- BEST PRACTICES
- SEO
- Headings: Headings should be used properly and in the right order (H1 to H6).
- BEST PRACTICES
- Specific HTML5 input types are used: This is especially important for mobile devices that show customized keypads and widgets for different types.
- Label: A label is associated with each input form element. In case a label can't be displayed, use aria-label instead.
- Accessibility standards testing: Use the WAVE tool to test if your page respects the accessibility standards.
- TESTING
- Keyboard navigation: Test your website using only your keyboard in a previsible order. All interactive elements are reachable and usable.
- TESTING
- Screen reader: All pages were tested in two or more screen readers (such as JAWS, VoiceOver, and NVDA).
- TESTING
- Focus style: If the focus is disabled, it is replaced by visible state in CSS.
- TESTING

## Performance

0 % Performance items are ✓

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Page weight: The weight of each page is between 0 and 500 KB.

- PERFORMANCE
- Minified HTML: Your HTML is minified.
- HTML
- PERFORMANCE
- Lazy loading: Images, scripts and CSS need to be lazy loaded to improve the response time of the current page (See details in their respective sections)
- BEST PRACTICES
- Cookie size: If you are using cookies be sure each cookie doesn't exceed 4096 bytes and your domain name doesn't have more than 20 cookies.
- BEST PRACTICES
- Third party components:
- BEST PRACTICES
- DNS resolution: DNS of third-party services that may be needed are resolved in advance during idle time using dns-prefetch.
- REQUESTS
- Preconnection: DNS lookup, TCP handshake and TLS negotiation with services that will be needed soon is done in advance during idle time using preconnect.
- REQUESTS
- Prefetching: Resources that will be needed soon (e.g. lazy loaded images) are requested in advance during idle time using prefetch.
- REQUESTS
- Preloading: Resources needed in the current page (e.g. scripts placed at the end of <body>) in advance using preload.
- REQUESTS
- Google PageSpeed: All your pages were tested (not only the homepage) and have a score of at least 90/100.
- TESTING

## SEO

0 % SEO items are ✓

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Google Analytics: Google Analytics is installed and correctly configured.

- SEO
- Headings logic: Heading text helps to understand the content in the current page.



- SEO
- ACCESSIBILITY
- HTML
- sitemap.xml: A sitemap.xml exists and was submitted to Google Search Console.
- SEO
- robots.txt: The robots.txt is not blocking webpages.
- SEO
- TESTING
- Structured Data: Pages using structured data are tested and are without errors. Structured data helps crawlers understand the content in the current page.
- SEO
- TESTING
- Sitemap HTML: An HTML sitemap is provided and is accessible via a link in the footer of your website.
- SEO
- HTML
- Pagination link tags: Provide rel="prev" and rel="next" to indicate paginated content.

<https://frontendchecklist.io/>