Web Accessibility Test Tools

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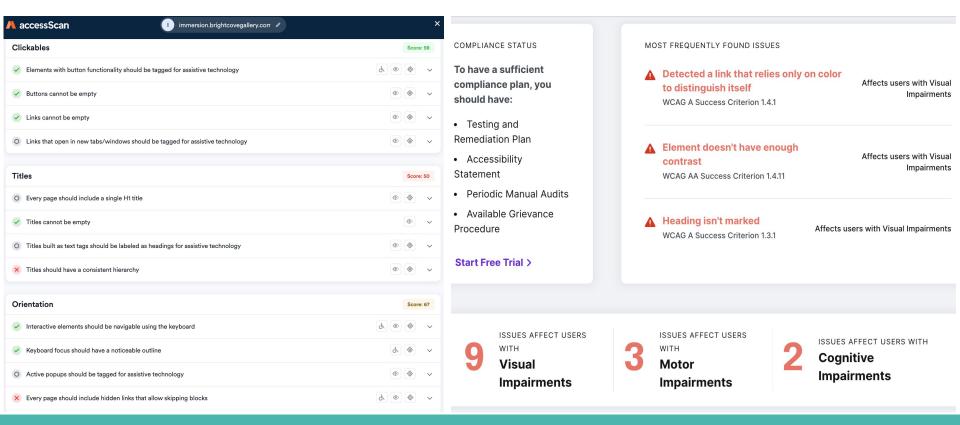
About Web Accessibility

Web accessibility means that websites, web tools, and technologies are designed and developed in a way that people with disabilities can use them.

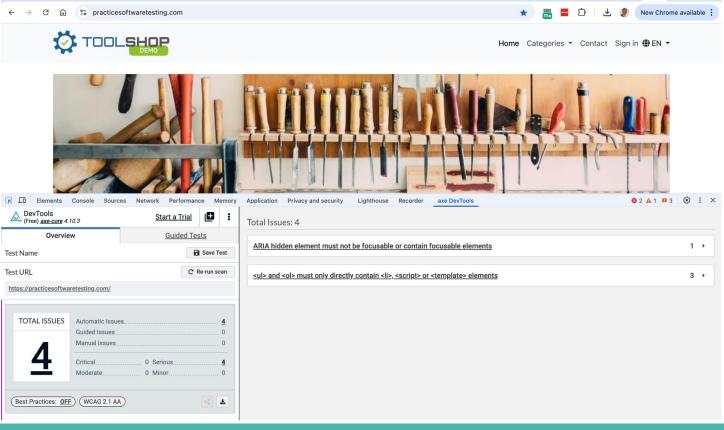
It's important for businesses, end users, to ensure web accessibility, compliant within both Section 508 laws and the adopted standards of WCAG 2.0

To learn more about Web Accessibility: https://www.w3.org/WAI/

Web Accessibility - Online websites checkers



Web Accessibility - Chrome browser extensions



Web Accessibility Testing Tools - DEMOs

Website

- Axe DevTools

- https://accessibe.com/accessscan?website=htt ps://practicesoftwaretesting.com
- https://www.audioeye.com/scan/results/?url=htt
 ps://practicesoftwaretesting.com

https://chrome.google.com/webstore/detail/axedevtools-web-accessib/lhdoppojpmngadmnindn ejefpokejbdd

Web Accessibility - Tools for test automation

<u>axe-core</u> - deque's accessibility testing engine for test automation

@khaipham/axe-testcafe - allow latest <u>aXe</u> accessibility engine to be used in TestCafe tests

<u>@khaipham/testcafe-common</u> -

added a11yCheck() function - accessibility check with error Threshold

@khaipham/testcafe-automation -

- use testcafe-common a11yCheck() in helper function validate_accessibility()
- suites/accessibility accessibility tests with command line parameters for Url & Threshold

Web Accessibility Testing Tools - **DEMOs**

Testcafecommon Ally tests

Testcafe-Automation Ally tests

- testcafe chrome test/a11y_test.js --skip-js-errors --violationThreshold=1
- testcafe chrome suites/accessibility --siteUrl=https://practicesoftwaretesting.com
- testcafe chrome suites/app1/end2end/template1_test.js --violationThreshold=1

Web Accessibility - axe Accessibility Linter for VS Code

```
TS Home.tsx
             const path: string
src > compor
             (alias) const corgi: string
       impo import corgi
        impo
             Axe Linter (image-alt): Ensures img elements have alternate text or a role of none or
             presentation (dequeuniversity/image-alt)
          <d View Problem (~F8) No quick fixes available</p>
            <img src={corgi} className='center'/>
          div>
 10
        export default Image
 11
 TERMINAL
            PROBLEMS 1
                            OUTPUT
                                      DEBUG CONSOLE
                                                                                              Filter (e.g. text, **/*.ts, !**/node_modules/**

✓ TS Image.tsx src/components 1

   Axe Linter (image-alt): Ensures img elements have alternate text or a role of none or presentation (dequeuniversity/image-alt) [6, 5]
```

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Questions & Comments:



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