

WICK-A11Y ACCESSIBILITY PLUGIN VIDEO TUTORIAL



About the author



- Sebastian Clavijo Suero
- Computer geek since I was 13.
- Software professional for more than 20 years
(SW Engineer, Tech Lead, Product Manager, QA Engineer)
- QA Technical Blogger
- Creator of Cypress plugins: *wick-a11y, cypress-ajv-schema-validator*



WEB accessibility



Web Accessibility



“Web accessibility means that websites, tools, and technologies are designed and developed so that people with disabilities can use them. More specifically, people can: **perceive, understand, navigate, interact with the Web, and contribute to the Web.**”

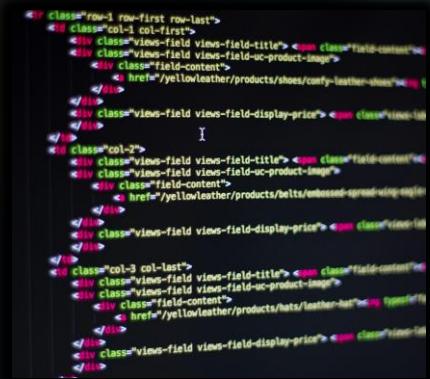


Web Accessibility





16%
world's
population has
some disability



<4%

most popular
websites are
accessible



50.5

avg. number accessibility errors per website





15%

of disabled people
say they “never”
go online

Web Accessibility



- 🤝 Inclusivity & Equal Opportunity
- 😍 Enhanced User Experience
- ⚖️ Legal Compliance
- \$ Market Reach
- 📊 SEO Benefits
- 💡 Innovation and Usability
- ❤️ Ethical Responsibility



Why to automate accessibility tests?



Accessibility Automation



🛠 Daily Builds

🔄 Regression Testing

🖌 Design Validation

✓ User Story Acceptance



Automation Limitations



- ✳️ Incomplete Coverage (avg. 30%-55%)
- ❗ False Sense of Security
- ⌨️ Need of Manual Validation (keyboard, focus, dynamic content,...)
- 💡 Still Needed Human Judgement!!



What's *wick-a11y*?



A Killer Open-source Accessibility Tests Plugin for



- Highly Configurable – Impact levels, Rules & Guidelines
- Standards – WCAG 2.0/2.1 A/AA, Best Practices
- Interactive Console – Cypress Test Runner
- Voice Feedback Violations – Suite, Test, Rule, DOM Elem
- HTML Report – Violations Details & Screenshots
- Leverages *axe-core*® (by Deque Systems, Inc.) and *cypress-axe*



wick-a11y



sclavijosuero / wick-a11y

Type ⌘ to search

Code Issues 1 Pull requests 1 Actions Projects Wiki Security Insights Settings

wick-a11y Public

Your main branch isn't protected

Protect this branch documentation

main 2 Branches 8 Tags Go to file Add file Code

sclavijosuero Merge pull request #9 from w4dd325/patch-1 0e6f490 - last month 66 Commits

.github/workflows	Create main.yml	5 months ago
cypress	Skip unnecessary test in the samples	2 months ago
images	Added wick-a11y image	last month
src	Fix issue when creating HTML reports after refactor in multip...	2 months ago
videos	Update README.md with 2 new videos	2 months ago
.gitignore	wick-a11y voice support and violations summary for each test	2 months ago
LICENSE	v1.0.0	5 months ago
README.md	fix typos	last month
cypress.config.js	wick-a11y voice support and violations summary for each test	2 months ago
cypress.env.json	wick-a11y voice support and violations summary for each test	2 months ago
package-lock.json	Fix issue when creating HTML reports after refactor in multip...	2 months ago
package.json	Fix issue when creating HTML reports after refactor in multip...	2 months ago

About

Cypress plugin for performing configurable Accessibility tests using AXE. Flawless integration in Cypress with violations shown graphically on the web page and the Cypress log, and generating HTML document with violations details and screenshot.

Readme MIT license Activity 24 stars 2 watching 3 forks

Releases 8 v1.2.2 Latest on Sep 26 + 7 releases

Packages No packages published Publish your first package

Contributors 2

<https://github.com/sclavijosuero/wick-a11y>



wick-a11y



Screenshot of the npmjs.com package page for **wick-a11y**.

wick-a11y
1.2.2 • Public • Published 2 months ago

[Readme](#) [Code](#) [Beta](#) [1 Dependency](#) [0 Dependents](#) [8 Versions](#) [Settings](#)

wick-a11y

wick-a11y is a Cypress plugin designed for performing configurable accessibility tests. It allows you to easily incorporate accessibility checks into your End-to-End tests, log detailed information in the Cypress log, and generate HTML documents with screenshots of each violation for easier identification and resolution of accessibility issues, all out-of-the-box

<https://www.npmjs.com/package/wick-a11y>



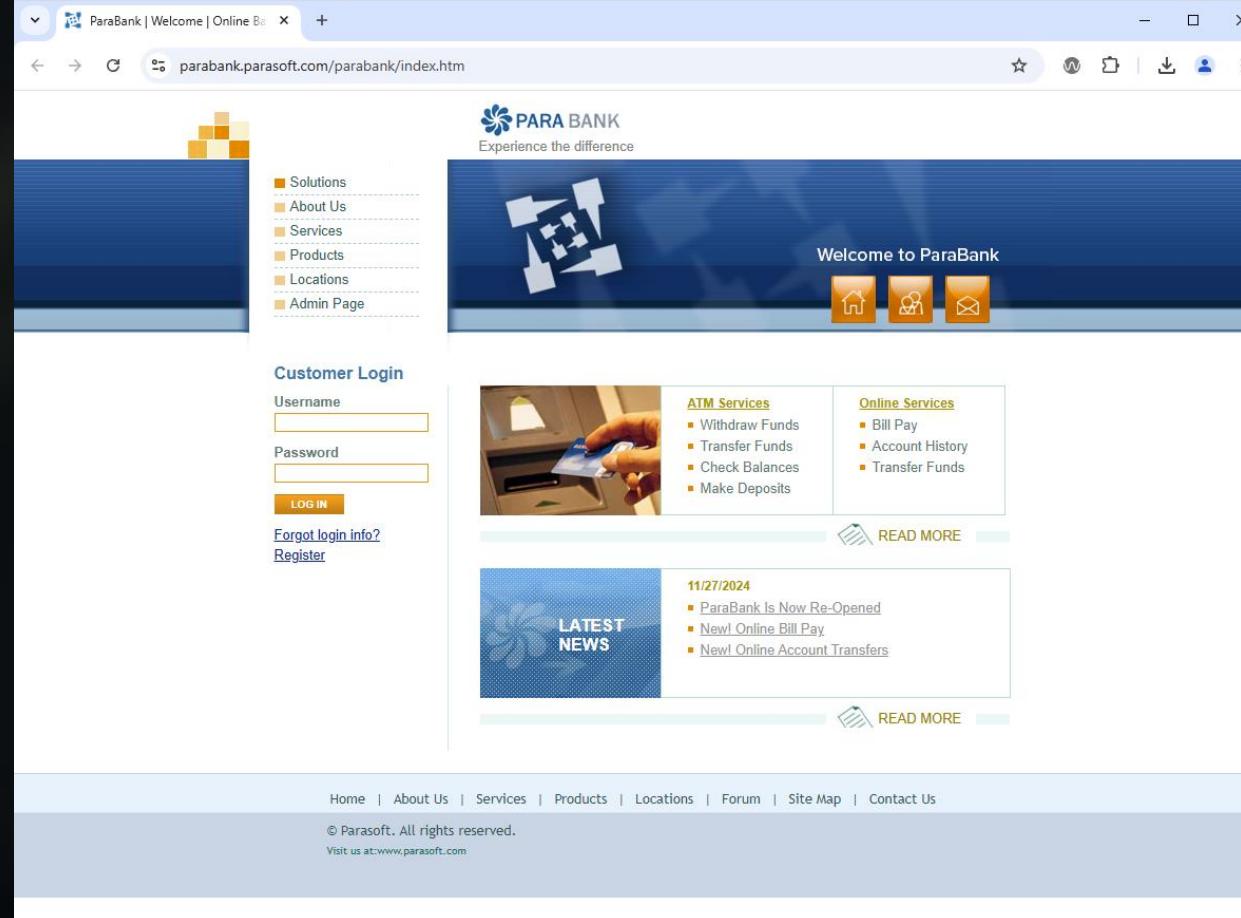
Our target



<https://parabank.parasoft.com/parabank/index.htm>



Our Target Page for Accessibility Tests



<https://parabank.parasoft.com/parabank/index.htm>



1. Install *wick-a11y* in 



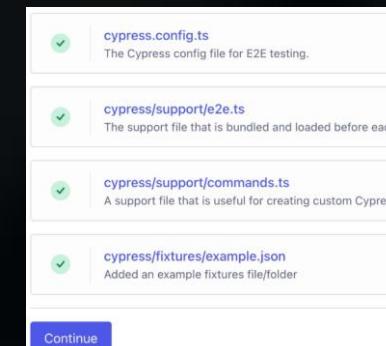
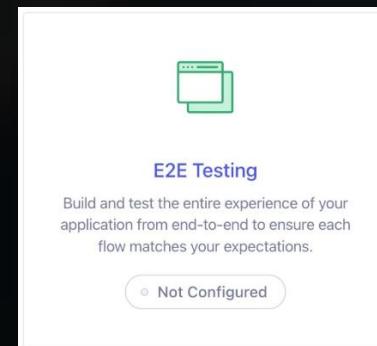
Install *wick-a11y*

1. Prerequisite: Node v18

```
npm init
```

```
npm install --save-dev cypress
```

```
npx cypress open
```



3. *cypress.config.js*

```
const { defineConfig } = require("cypress");

module.exports = defineConfig({
  e2e: {
    setupNodeEvents(on, config) {
      // implement node event listeners here
    },
    baseUrl: "https://parabank.parasoft.com/parabank",
  },
});
```

4. *.gitignore*

```
node_modules/
cypress/screenshots/
cypress/videos/
cypress/downloads/
cypress/reports/
```

5. Install *wick-a11y*

```
npm install wick-a11y --save-dev
```



2. Configure *wick-ally*



Configure wick-a11y

1. cypress.config.js

```
const { defineConfig } = require("cypress");

const addAccessibilityTasks = require('wick-a11y/accessibility-tasks');

module.exports = defineConfig({
  e2e: {
    setupNodeEvents(on, config) {
      // implement node event listeners here
      // Add accessibility tasks
      addAccessibilityTasks(on);
    },
    baseUrl: "https://parabank.parasoft.com/parabank",
  },
  accessibilityFolder: 'cypress/reports/accessibility',
});
```

2. e2e.js

```
// ****
// This example support/e2e.js is processed and
// loaded automatically before your test files.
//
// This is a great place to put global configuration and
// behavior that modifies Cypress.
//
// You can change the location of this file or turn off
// automatically serving support files with the
// 'supportFile' configuration option.
//
// You can read more here:
// https://on.cypress.io/configuration
// *****

// Import commands.js using ES2015 syntax:
import './commands'

// Alternatively you can use CommonJS syntax:
// require('./commands')
import 'wick-a11y';
```



3. First test with *wick-a11y*



First test with *wick-a11y* (Default Options)

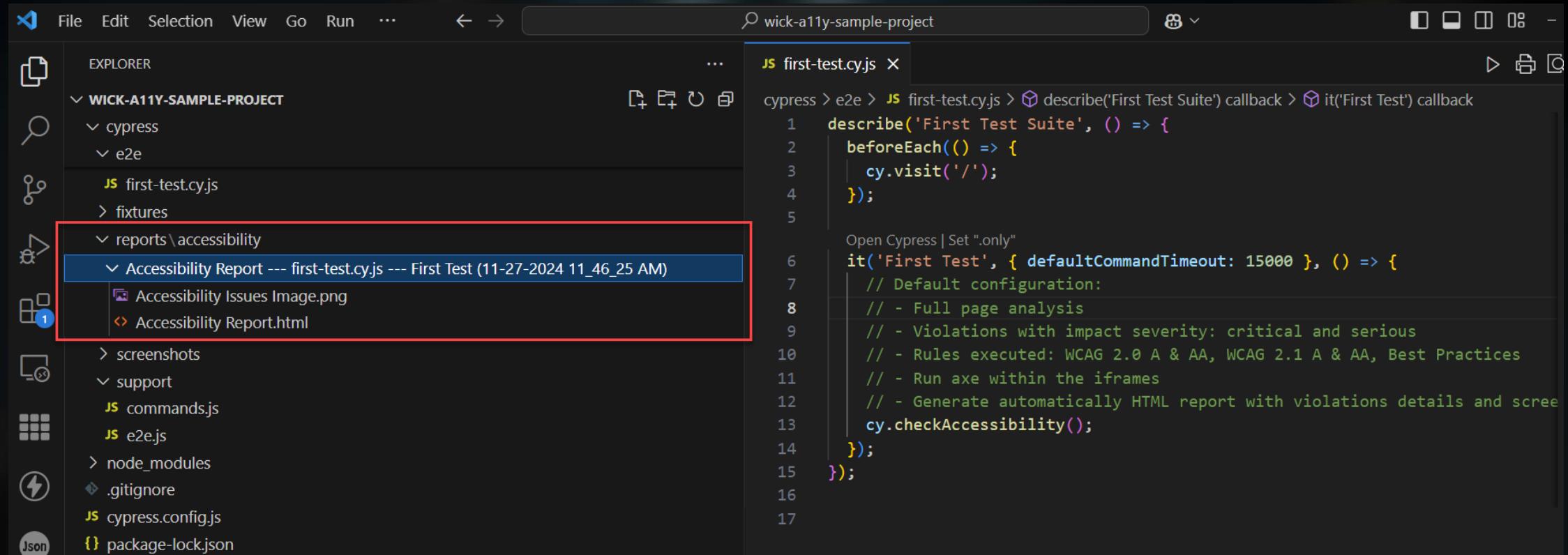
```
cypress > e2e > JS first-test.cy.js > ...
1  describe('First Test Suite', () => {
2    beforeEach(() => {
3      cy.visit('/');
4    });
5
6    Open Cypress | Set ".only"
7    it('First Test', { defaultCommandTimeout: 15000 }, () => {
8      // Default configuration:
9      // - Full page analysis
10     // - Violations with impact severity: critical and serious
11     // - Rules executed: WCAG 2.0 A & AA, WCAG 2.1 A & AA, Best Practices
12     // - Run axe within the iframes
13     // - Generate automatically HTML report with violations details and screenshot
14     cy.checkAccessibility();
15   });
16});
```



4. HTML report results



HTML Report (for first test)



The screenshot shows a dark-themed instance of Visual Studio Code (VS Code) with the following details:

- File Bar:** File, Edit, Selection, View, Go, Run, ...
- Search Bar:** wick-a11y-sample-project
- Explorer Panel:** Shows the project structure:
 - WICK-A11Y-SAMPLE-PROJECT**:
 - cypress
 - e2e
 - first-test.cy.js** (highlighted in yellow)
 - fixtures
 - reports\accessibility**:
 - Accessibility Report --- first-test.cy.js --- First Test (11-27-2024 11_46_25 AM)** (highlighted with a red box)
 - Accessibility Issues Image.png
 - Accessibility Report.html
 - screenshots
 - support
 - commands.js
 - e2e.js
 - node_modules
 - .gitignore
 - cypress.config.js
 - package-lock.json
- Editor Panel:** Displays the content of **first-test.cy.js**:

```
cypress > e2e > JS first-test.cy.js > describe('First Test Suite') callback > it('First Test') callback
1  describe('First Test Suite', () => {
2    beforeEach(() => {
3      cy.visit('/');
4    });
5
6    Open Cypress | Set ".only"
7    it('First Test', { defaultCommandTimeout: 15000 }, () => {
8      // Default configuration:
9      // - Full page analysis
10     // - Violations with impact severity: critical and serious
11     // - Rules executed: WCAG 2.0 A & AA, WCAG 2.1 A & AA, Best Practices
12     // - Run axe within the iframes
13     // - Generate automatically HTML report with violations details and screen
14     cy.checkAccessibility();
15   });
16
17
```



HTML Report (for first test)

Accessibility Report (Axe-core®)

Spec: first-test.cy.js
Test: First Test
Page URL: <https://parabank.parasoft.com/parabank/index.htm;jsessionid=677CC407F4281D815A7034CE5A231C6B>
Generated on: Wed Nov 27 2024 11:46:25 GMT-0800 (Pacific Standard Time)

Context: (Entire document)
Tags: wcag2a, wcag2aa, wcag21a, wcag21aa, best-practice

CRITICAL: 2
SERIOUS: 3
MODERATE: n/a
MINOR: n/a

Accessibility Violations Details

- [■ CRITICAL]: IMAGES MUST HAVE ALTERNATIVE TEXT (*Rule ID: image-alt*) [More info](#)
Tags: cat.text-alternatives, wcag2a, wcag111, section508, section508.22.a, TTv5, TT7.a, TT7.b, EN-301-549, EN-9.1.1.1, ACT
 - ([Fixme](#)) ► [_admin](#)
Fix any of the following:
 - Element does not have an implicit (wrapped)
 - Element does not have an explicit
 - aria-label attribute does not exist or is empty
 - aria-labelledby attribute does not exist, references elements that do not exist or references elements that are empty
 - Element has no title attribute
 - Element has no placeholder attribute
 - Element's default semantics were not overridden with role="none" or role="presentation"
- [■ CRITICAL]: FORM ELEMENTS MUST NOT HAVE AN EMPTY NAME ATTRIBUTE (*Rule ID: form-empty-name*) [More info](#)
Tags: cat.forms, wcag2a, wcag111, section508, section508.22.a, TTv5, TT7.a, TT7.b, EN-301-549, EN-9.1.1.1, ACT
 - ([Fixme](#)) ► [input\[type="text"\]](#)
Fix any of the following:
 - Element does not have an implicit (wrapped)
 - Element does not have an explicit
 - aria-label attribute does not exist or is empty
 - aria-labelledby attribute does not exist, references elements that do not exist or references elements that are empty
 - Element has no title attribute
 - Element has no placeholder attribute
 - Element's default semantics were not overridden with role="none" or role="presentation"
 - ([Fixme](#)) ► [input\[type="password"\]](#)
Fix any of the following:
 - Element does not have an implicit (wrapped)
 - Element does not have an explicit
 - aria-label attribute does not exist or is empty
 - aria-labelledby attribute does not exist, references elements that do not exist or references elements that are empty
 - Element has no title attribute
 - Element has no placeholder attribute
 - Element's default semantics were not overridden with role="none" or role="presentation"
- [■ SERIOUS]: ELEMENTS MUST MEET MINIMUM COLOR CONTRAST RATIO THRESHOLDS (*Rule ID: color-contrast*) [More info](#)
Tags: cat.color, wcag2aa, wcag143, TTv5, TT13.c, EN-301-549, EN-9.1.4.3, ACT
 - ([Fixme](#)) ► [caption](#)
Fix any of the following:
 - Element does not have an implicit (wrapped)
 - Element does not have an explicit
 - aria-label attribute does not exist or is empty
 - aria-labelledby attribute does not exist, references elements that do not exist or references elements that are empty
 - Element has no title attribute
 - Element has no placeholder attribute
 - Element's default semantics were not overridden with role="none" or role="presentation"
 - ([Fixme](#)) ► [captionone](#)
Fix any of the following:
 - Element does not have an implicit (wrapped)
 - Element does not have an explicit
 - aria-label attribute does not exist or is empty
 - aria-labelledby attribute does not exist, references elements that do not exist or references elements that are empty
 - Element has no title attribute
 - Element has no placeholder attribute
 - Element's default semantics were not overridden with role="none" or role="presentation"
 - ([Fixme](#)) ► [captiontwo](#)
Fix any of the following:
 - Element does not have an implicit (wrapped)
 - Element does not have an explicit
 - aria-label attribute does not exist or is empty
 - aria-labelledby attribute does not exist, references elements that do not exist or references elements that are empty
 - Element has no title attribute
 - Element has no placeholder attribute
 - Element's default semantics were not overridden with role="none" or role="presentation"
 - ([Fixme](#)) ► [captionthree](#)
Fix any of the following:
 - Element does not have an implicit (wrapped)
 - Element does not have an explicit
 - aria-label attribute does not exist or is empty
 - aria-labelledby attribute does not exist, references elements that do not exist or references elements that are empty
 - Element has no title attribute
 - Element has no placeholder attribute
 - Element's default semantics were not overridden with role="none" or role="presentation"
 - ([Fixme](#)) ► [visit > li:nth-child\(1\)](#)
Fix any of the following:
 - Element does not have an implicit (wrapped)
 - Element does not have an explicit
 - aria-label attribute does not exist or is empty
 - aria-labelledby attribute does not exist, references elements that do not exist or references elements that are empty
 - Element has no title attribute
 - Element has no placeholder attribute
 - Element's default semantics were not overridden with role="none" or role="presentation"
 - ([Fixme](#)) ► [li:nth-child\(2\) > a\[href\\$="parasoft.com/"\]](#)
Fix any of the following:
 - Element does not have an implicit (wrapped)
 - Element does not have an explicit
 - aria-label attribute does not exist or is empty
 - aria-labelledby attribute does not exist, references elements that do not exist or references elements that are empty
 - Element has no title attribute
 - Element has no placeholder attribute
 - Element's default semantics were not overridden with role="none" or role="presentation"
- [■ SERIOUS]: <HTML> ELEMENT MUST HAVE A LANG ATTRIBUTE (*Rule ID: html-has-lang*) [More info](#)



5. *wick-a11y* API



wick-a11y API Reference

<https://github.com/sclavijosuero/wick-a11y?tab=readme-ov-file#api-reference>

The screenshot shows a browser window with the title bar "sclavijosuero/wick-a11y: Cypress". The address bar contains the URL "github.com/sclavijosuero/wick-a11y?tab=readme-ov-file#api-reference". The page content is the "API Reference" section of the README. It includes a heading for the `cy.checkAccessibility(context, options)` command, a detailed description of its purpose and parameters, and examples of how to use it with CSS selectors.

API Reference

`cy.checkAccessibility(context, options)`

Cypress custom command to check the accessibility of a given context using axe-core®. Only considers DOM elements that are visible on the screen. For details on parameters and options, refer to [Axe-core® Documentation](#), [Axe-core® GitHub](#), and [cypress-axe NPM](#).

- `context` : (optional) Defines the scope of the analysis. Can be a CSS Selector, a DOM Element, or an Object. When `context` is an Object, it could have the properties:
 - `exclude` : (optional) *From axe-core®* - Elements that should not be tested. Format: CSS Selector or Array of CSS selectors.
E.g.1 'button' equivalent to ['button'].
E.g.2 'input, .container, [data-cy="submission"]' equivalent to ['input', '.container', '[data-cy="submission"]'].
 - `include` : (optional) *From axe-core®* - Elements that should be tested. Format: CSS Selector or Array of CSS selectors.
E.g. '[data-cy="header"]'
 - `fromFrames` : (optional) *From axe-core®* - An object with a `fromFrames` property to specify frames that should be tested.



wick-a11y API

`cy.checkAccessibility(context, options)`

- context: (optional) Defines the scope of the analysis. Can be a CSS Selector, a DOM Element, or an Object.
- options: (optional) Object with options to configure the accessibility check.



wick-a11y API

`cy.checkAccessibility(context, options)`

CONTEXT (optional)

When context is an Object, it could have the properties:

- **include**: (optional) From axe-core® - Elements that should be tested.
Format: CSS Selector or Array of CSS selectors.
- **exclude**: (optional) From axe-core® - Elements that should NOT be tested.
Format: CSS Selector or Array of CSS selectors.



wick-a11y API

`cy.checkAccessibility(context, options)`

OPTIONS (optional)

- **includedImpacts:** (optional) From CYPRESS-AXE - List of impact levels to include in the analysis `['critical', 'serious', 'moderate' and 'minor']`.
- **runOnly:** (optional) From axe-core® - List to specify which rules are executed `['wcag2a', 'wcag2aa', 'wcag21a', 'wcag21aa', 'best-practice', etc.]`.
- **rules:** (optional) From axe-core® - Enable or disable rules explicitly using the enabled property. Object with format: `{ 'ruleName': { enabled: false },... }`



wick-a11y API

`cy.checkAccessibility(context, options)`

OPTIONS (optional)

- **iframes** : (optional) From axe-core® - Tell axe to run inside iframes.
- **generateReport**: (optional) From WICK-A11Y - Generate a detailed report.
- **impactStyling**: (optional) From WICK-A11Y - An object with an entry for each impact level ('critical', 'serious', 'moderate', 'minor') where you can override the plugin default colors.



6. Test specifying *context*



Test using *context* (*Include*)

```
cypress > e2e > JS context-test-include.cy.js > ...
1  /// <reference types="cypress" />
2
3  describe('Context Include Test Suite', () => {
4      beforeEach(() => {
5          cy.visit('/');
6      });
7
8      Open Cypress | Set ".only"
9      it('Context Include Test', { defaultCommandTimeout: 15000 }, () => {
10          // cy.checkAccessibility(context, options)
11
12          cy.checkAccessibility({ include: '#leftPanel' });
13      });
14  });


```



Test using context (Include)

Accessibility Report (Axe-core®)

Spec: context-test-include.cy.js
Test: Context Include Test
Page URL: <https://parabank.parasoft.com/parabank/index.htm;jsessionid=1E8E9A069FCB8747D03AB7A6DC36F3B0>
Generated on: Wed Nov 27 2024 15:32:41 GMT-0800 (Pacific Standard Time)

Context: {'include': '#leftPanel'} 

Tags: wcag2a, wcag2aa, wcag21a, wcag21aa, best-practice

CRITICAL: 1
SERIOUS: 0
Moderate: n/a
MINOR: n/a

Accessibility Violations Details

- [■ CRITICAL]: FORM ELEMENTS MUST HAVE LABELS (Rule ID: label) [More info](#)
Tags: cat.forms, wcag2a, wcag412, section508, section508.22.n, TTv5, TT5.c, EN-301-549, EN-9.4.1.2, ACT
 - ( Fixme) ► `input[type="text"]`
 - ( Fixme) ► `input[type="password"]`

Accessibility Violations Screenshot



The screenshot shows the ParaBank homepage with a blue header containing the bank's logo and slogan "Experience the difference". Below the header is a large white search bar with a magnifying glass icon. The main content area has a dark blue background with a large white graphic of a stylized building or map. At the bottom, there is a light blue footer bar with the text "Welcome to ParaBank" and three orange square icons representing home, users, and email.



Test using *context* (*Exclude*)

```
cypress > e2e > JS context-test-exclude.cy.js > ...
1  /// <reference types="cypress" />
2
3  describe('Context Exclude Test Suite', () => {
4      beforeEach(() => {
5          cy.visit('/');
6      });
7
8      Open Cypress | Set ".only"
9      it('Context Exclude Test', { defaultCommandTimeout: 15000 }, () => {
10          // cy.checkAccessibility(context, options)
11
12          cy.checkAccessibility({ exclude: '#leftPanel' });
13      });
14  });


```



Test using context (Exclude)

Accessibility Report (Axe-core®)

Spec: context-test-exclude.cy.js
Test: Context Exclude Test
Page URL: <https://parabank.parasoft.com/parabank/index.htm;jsessionid=97BDFE737D38C9C08F305B6A24BD4FD9>
Generated on: Wed Nov 27 2024 15:38:15 GMT-0800 (Pacific Standard Time)

Context: {'exclude': '#leftPanel'} 

Tags: wcag2a, wcag2aa, wcag21a, wcag21aa, best-practice

CRITICAL: 1
SERIOUS: 3
Moderate: n/a
MINOR: n/a

Accessibility Violations Details

- [CRITICAL]: IMAGES MUST HAVE ALTERNATIVE TEXT (Rule ID: image-alt) [More info](#)
Tags: cat.text-alternatives, wcag2a, wcag111, section508, section508.22.a, TTV5, TT7.b, EN-301-549, EN-9.1.1.1, ACT
 - (Fixme)▶ admin
- [SERIOUS]: ELEMENTS MUST MEET MINIMUM COLOR CONTRAST RATIO THRESHOLDS (Rule ID: color-contrast) [More info](#)
Tags: cat.color, wcag2aa, wcag143, TTV5, TT13.c, EN-301-549, EN-9.1.4.3, ACT
 - (Fixme)▶ caption
 - (Fixme)▶ captionone
 - (Fixme)▶ captiontwo
 - (Fixme)▶ captionthree
 - (Fixme)▶ visit > li:nth-child(1)
 - (Fixme)▶ li:nth-child(2) > a[href\$="parasoft.com"]
- [SERIOUS]: <HTML> ELEMENT MUST HAVE A LANG ATTRIBUTE (Rule ID: html-has-lang) [More info](#)
Tags: cat.language, wcag2a, wcag311, TTV5, TT11.a, EN-301-549, EN-9.3.1.1, ACT
 - (Fixme)▶ html
- [SERIOUS]: LINKS MUST HAVE DISCERNIBLE TEXT (Rule ID: link-name) [More info](#)
Tags: cat.name-role-value, wcag2a, wcag244, wcag412, section508, section508.22.a, TTV5, TT6.a, EN-301-549, EN-9.2.4.4, EN-9.4.1.2, ACT



7. Test specifying *impact severity*



Test using *impact severity* (All impacts)

```
cypress > e2e > JS all-impact-severities-test.cy.js > ...
1  /// <reference types="cypress" />
2
3  describe('All Impact Severities Test Suite', () => {
4      beforeEach(() => {
5          cy.visit('/');
6      });
7
8      Open Cypress | Set ".only"
9      it('All Impact Severities Test', { defaultCommandTimeout: 15000 }, () => {
10         // cy.checkAccessibility(context, options)
11
12         cy.checkAccessibility(null, { includedImpacts: ['critical', 'serious', 'moderate', 'minor'] });
13     });
14});
```



Test using *impact severity* (All impacts)

Accessibility Report (Axe-core®)

Spec: all-impact-severities-test.cy.js
Test: All Impact Severities Test
Page URL: <https://parabank.parasoft.com/parabank/index.htm;jsessionid=ADE78D8907651686C504CEBA822D8A02>
Generated on: Thu Nov 28 2024 20:10:13 GMT-0800 (Pacific Standard Time)

Context: (Entire document)
Tags: wcag2a, wcag2aa, wcag21a, wcag21aa, best-practice

Accessibility Violations Details

- [█ CRITICAL]: IMAGES MUST HAVE ALTERNATIVE TEXT (*Rule ID: image-alt*) [More info](#)
Tags: cat.text-alternatives, wcag2a, wcag111, section508, section508.22.a, TTV5, TT7.a, TT7.b, EN-301-549, EN-9.1.1.1, ACT
 - (🔗 Fixme) ► [.admin](#)
- [█ CRITICAL]: FORM ELEMENTS MUST HAVE LABELS (*Rule ID: label*) [More info](#)
Tags: cat.forms, wcag2a, wcag412, section508, section508.22.n, TTV5, TT5.c, EN-301-549, EN-9.4.1.2, ACT
 - (🔗 Fixme) ► [input\[type="text"\]](#)
 - (🔗 Fixme) ► [input\[type="password"\]](#)
- [█ SERIOUS]: ELEMENTS MUST MEET MINIMUM COLOR CONTRAST RATIO THRESHOLDS (*Rule ID: color-contrast*) [More info](#)
Tags: cat.color, wcag2aa, wcag143, TTV5, TT13.c, EN-301-549, EN-9.1.4.3, ACT
 - (🔗 Fixme) ► [.caption](#)
 - (🔗 Fixme) ► [.captionone](#)
 - (🔗 Fixme) ► [.captiontwo](#)
 - (🔗 Fixme) ► [.captionthree](#)
 - (🔗 Fixme) ► [.visit > li:nth-child\(1\)](#)
 - (🔗 Fixme) ► [li:nth-child\(2\) > a\[href\\$="parasoft.com/"\]](#)
- [█ SERIOUS]: <HTML> ELEMENT MUST HAVE A LANG ATTRIBUTE (*Rule ID: html-has-lang*) [More info](#)



Test using *impact severity* (Only ‘critical’)

```
cypress > e2e > JS only-critical-severity-test.cy.js > ...
1   /// <reference types="cypress" />
2
3   describe('Only Critical Severity Test Suite', () => {
4     beforeEach(() => {
5       cy.visit('/');
6     });
7
8     Open Cypress | Set ".only"
9     it('Only Critical Severity Test', { defaultCommandTimeout: 15000 }, () => {
10       // cy.checkAccessibility(context, options)
11       cy.checkAccessibility(null, { includedImpacts: ['critical'] });
12     });
13   });

```



Test using *impact severity* (Only ‘critical’)

Accessibility Report (Axe-core®)

Spec: only-critical-severity-test.cy.js
Test: Only Critical Severity Test
Page URL: <https://parabank.parasoft.com/parabank/index.htm;jsessionid=A70A70F57F88C11E17CA4A47F0AABF1C>
Generated on: Thu Nov 28 2024 20:16:47 GMT-0800 (Pacific Standard Time)

Context: (Entire document)
Tags: wcag2a, wcag2aa, wcag21a, wcag21aa, best-practice

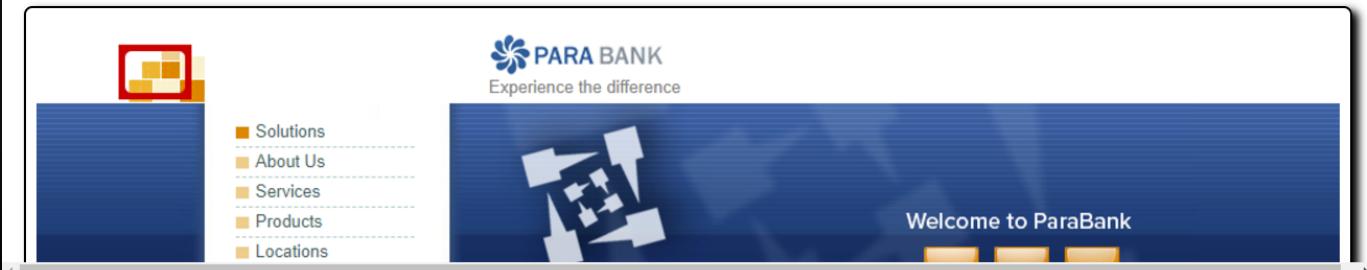
CRITICAL: 2 ← (Red arrow pointing to the CRITICAL count)

SERIOUS: n/a
MODERATE: n/a
MINOR: n/a

Accessibility Violations Details

- [CRITICAL]: IMAGES MUST HAVE ALTERNATIVE TEXT (Rule ID: [image-alt](#)) [More info](#)
Tags: cat.text-alternatives, wcag2a, wcag111, section508, section508.22.a, TTV5, TT7.a, TT7.b, EN-301-549, EN-9.1.1.1, ACT
 - (Fixme)▶ .admin
- [CRITICAL]: FORM ELEMENTS MUST HAVE LABELS (Rule ID: [label](#)) [More info](#)
Tags: cat.forms, wcag2a, wcag412, section508, section508.22.n, TTV5, TT5.c, EN-301-549, EN-9.4.1.2, ACT
 - (Fixme)▶ input[type="text"]
 - (Fixme)▶ input[type="password"]

Accessibility Violations Screenshot



The screenshot shows the ParaBank homepage. On the left sidebar, there is an image of a stack of coins. A red square box highlights this image, indicating it lacks an alternative text description. The main content area features the ParaBank logo and the tagline "Experience the difference". Below the logo is a graphic of a stylized building or tower made of arrows. At the bottom of the page, there is a "Welcome to ParaBank" message and some navigation links.



8. Test specifying *rules tags*



Test using *rules tags* (Only WCAG 2.0 AA)

```
cypress > e2e > JS only-rules-wcag20aa-test.cy.js > ...
1   /// <reference types="cypress" />
2
3   describe('Only Rule Tag wcag20aa Test Suite', () => {
4     beforeEach(() => {
5       cy.visit('/');
6     });
7
8     Open Cypress | Set ".only"
9     it('Only Rule Tag wcag20aa Test', { defaultCommandTimeout: 15000 }, () => {
10       // cy.checkAccessibility(context, options)
11
12       cy.checkAccessibility(null, { runOnly: ['wcag20aa'] });
13     });
14   });
15 }
```



Test using *rules tags* (Only WCAG 2.0 AA)

Accessibility Report (Axe-core®)

Spec: only-rules-wcag20aa-test.cy.js
Test: Only Rule Tag wcag20aa Test
Page URL: <https://parabank.parasoft.com/parabank/index.htm> jsessionid=B0661383BAD427B5AC7600C0ACB6B83F
Generated on: Thu Nov 28 2024 20:57:44 GMT-0800 (Pacific Standard Time)

Context: (Entire document)
Tags: wcag2aa

CRITICAL: 0
SERIOUS: 1
MODERATE: n/a
MINOR: n/a

Accessibility Violations Details

- [SERIOUS]: ELEMENTS MUST MEET MINIMUM COLOR CONTRAST RATIO THRESHOLDS (Rule ID: color-contrast)** [More info](#)
Tags: cat.color, wcag2aa, wcag143, TTv5, TT13.c, EN-301-549, EN-9.1.4.3, ACT
 - (Fixme)▶ [caption](#)
 - (Fixme)▶ [captionone](#)
 - (Fixme)▶ [captiontwo](#)
 - (Fixme)▶ [captionthree](#)
 - (Fixme)▶ [.visit > li:nth-child\(1\)](#)
 - (Fixme)▶ [li:nth-child\(2\) > a\[href\\$="parasoft.com"\]](#)

Accessibility Violations Screenshot



Test using *rules tags* (Only WCAG 2.0 A & AA)

```
cypress > e2e > JS only-rules-wcag20-test.cy.js > ...
1   /// <reference types="cypress" />
2
3   describe('Only Rule Tag wcag20 Test Suite', () => {
4     beforeEach(() => {
5       cy.visit('/');
6     });
7
8     Open Cypress | Set ".only"
9     it('Only Rule Tag wcag20 Test', { defaultCommandTimeout: 15000 }, () => {
10       // cy.checkAccessibility(context, options)
11
12       cy.checkAccessibility(null, { runOnly: ['wcag2a','wcag2aa'] });
13     });
14   });
15 });
```



Test using *rules tags* (Only WCAG 2.0 A & AA)

Accessibility Report (Axe-core®)

Spec: only-rules-wcag20-test.cy.js
Test: Only Rule Tag wcag20 Test
Page URL: <https://parabank.parasoft.com/parabank/index.htm;jsessionid=33604E5197D4D4A6758C7269AE37E4E>
Generated on: Thu Nov 28 2024 21:09:04 GMT-0800 (Pacific Standard Time)

Context: (Entire document)
Tags: wcag2a, wcag2aa

Accessibility Violations Details

- [CRITICAL]: IMAGES MUST HAVE ALTERNATIVE TEXT (Rule ID: [image-alt](#)) [More info](#)
Tags: cat.text-alternatives, wcag2a, wcag111, section508, section508.22.a, TTV5, TT7.a, TT7.b, EN-301-549, EN-9.1.1.1, ACT
 - (Fixme)▶ [admin](#)
- [CRITICAL]: FORM ELEMENTS MUST HAVE LABELS (Rule ID: [label](#)) [More info](#)
Tags: cat.forms, wcag2a, wcag412, section508, section508.22.n, TTV5, TT5.c, EN-301-549, EN-9.4.1.2, ACT
 - (Fixme)▶ [input\[type="text"\]](#)
 - (Fixme)▶ [input\[type="password"\]](#)
- [SERIOUS]: ELEMENTS MUST MEET MINIMUM COLOR CONTRAST RATIO THRESHOLDS (Rule ID: [color-contrast](#)) [More info](#)
Tags: cat.color, wcag2aa, wcag143, TTV5, TT13.c, EN-301-549, EN-9.1.4.3, ACT
 - (Fixme)▶ [.caption](#)
 - (Fixme)▶ [.captionone](#)
 - (Fixme)▶ [.captiontwo](#)
 - (Fixme)▶ [.captionthree](#)
 - (Fixme)▶ [.visit > li:nth-child\(1\)](#)
 - (Fixme)▶ [li:nth-child\(2\) > a\[href\\$="parasoft.com"\]](#)
- [SERIOUS]: <HTML> ELEMENT MUST HAVE A LANG ATTRIBUTE (Rule ID: [html-has-lang](#)) [More info](#)



9. Disabling *color contrast*



Test disabling *color contrast*

```
cypress > e2e > js color-contrast-disabled-test.cy.js > ...
1  /// <reference types="cypress" />
2
3  describe('Color Contrast Disabled Test Suite', () => {
4      beforeEach(() => {
5          cy.visit('/');
6      });
7
8      Open Cypress | Set ".only"
9      it('Color Contrast Disabled', { defaultCommandTimeout: 15000 }, () => {
10          // cy.checkAccessibility(context, options)
11
12          cy.checkAccessibility(null, { rules: { 'color-contrast': { enabled: false } } });
13      });
14  });
```



Disabling Color Contrast

WITH contrast errors

The screenshot shows a Cypress test runner interface on the left and a browser window on the right. The browser displays the ParaBank homepage. Several accessibility errors are highlighted with yellow arrows:

- A large yellow arrow points to the "Welcome to ParaBank" header, which lacks alternative text for its logo.
- Two smaller yellow arrows point to the "ATM Services" and "Online Services" buttons, which have labels but lack descriptive text.
- Two yellow arrows point to the "Withdraw Funds" and "Transfer Funds" buttons under the "ATM Services" section.
- Two yellow arrows point to the "Bill Pay" and "Account History" buttons under the "Online Services" section.
- Two yellow arrows point to the "Check Balances" and "Make Deposits" buttons under the "Online Services" section.
- Two yellow arrows point to the "Forgot login info?" and "Register" buttons at the bottom of the page.
- Two yellow arrows point to the "LATEST NEWS" section and the "READ MORE" button below it.

The Cypress test code on the left includes several assertions related to color contrast and labels:

```
readfile './node_modules/axe-core/axe.min.js'
- ally error! image-alt on 1 Node
- ally error! label on 2 Nodes
- ally error! color-contrast on 6 Nodes
- ally error! html-has-lang on 1 Node
- ally error! link-name on 1 Node
- ally error! link-name on 1 Node

document

- [CRITICAL] IMAGES MUST HAVE ALTERNATIVE TEXT (Role ID: image-alt). More info
  --- (X Flame) > .admin
- [CRITICAL] FORM ELEMENTS MUST HAVE LABELS (Role ID: label). More info
  --- (X Flame) > input[type="text"]
  --- (X Flame) > input[type="password"]
- [SERIOUS] ELEMENTS MUST HAVE MINIMUM COLOR CONTRAST RATIO THRESHOLD (Role ID: color-contrast). More info
  --- (X Flame) > caption
  --- (X Flame) > captionone
  --- (X Flame) > captiontwo
  --- (X Flame) > captionthree
  --- (X Flame) > visit > li:nth-child(1)
  --- (X Flame) > li:nth-child(2) > a[href="https://parabank.parasoft.com/"]
- [SERIOUS] HTML ELEMENT MUST HAVE A LANG ATTRIBUTE (Role ID: html-has-lang). More info
  --- (X Flame) > html
- [SERIOUS] LINKS MUST HAVE DISCERNIBLE TEXT (Role ID: link-name). More info
  --- (X Flame) > #topPanel > a[href="#admin.htm"]
task logViolationsSummary, *****
RESULTS FOR TEST "Color Contrast Disabled" CRITICAL VIOLATIONS: 2
SERIOUS VIOLATIONS: 3
task logViolationsTable, (Object(6), Object(6), Object(6))
task createIdIfNotExist,
cypress/reports/accessibility/Accessibility Report --- color-
```

WITHOUT contrast errors

The screenshot shows the same browser window as the previous one, but now all accessibility errors have been resolved. The Cypress test code on the left shows that the violations from the first screenshot have been addressed:

```
Color Contrast Disabled Test Suite
x Color Contrast Disabled
  STORE PAGE
    https://parabank.parasoft.com/parabank/index.htm?sessionid=d901d4947f265a91dce7e...
    Chrome 131
  TEST BODY
    readfile './node_modules/axe-core/axe.min.js'
    - ally error! image-alt on 1 Node
    - ally error! label on 2 Nodes
    - ally error! color-contrast on 6 Nodes
    - ally error! html-has-lang on 1 Node
    - ally error! link-name on 1 Node
    - ally error! link-name on 1 Node

  document

  - [CRITICAL] IMAGES MUST HAVE ALTERNATIVE TEXT (Role ID: image-alt). More info
    --- (X Flame) > .admin
  - [CRITICAL] FORM ELEMENTS MUST HAVE LABELS (Role ID: label). More info
    --- (X Flame) > input[type="text"]
    --- (X Flame) > input[type="password"]
  - [SERIOUS] ELEMENTS MUST HAVE MINIMUM COLOR CONTRAST RATIO THRESHOLD (Role ID: color-contrast). More info
    --- (X Flame) > caption
    --- (X Flame) > captionone
    --- (X Flame) > captiontwo
    --- (X Flame) > captionthree
    --- (X Flame) > visit > li:nth-child(1)
    --- (X Flame) > li:nth-child(2) > a[href="https://parabank.parasoft.com/"]
  - [SERIOUS] HTML ELEMENT MUST HAVE A LANG ATTRIBUTE (Role ID: html-has-lang). More info
    --- (X Flame) > html
  - [SERIOUS] LINKS MUST HAVE DISCERNIBLE TEXT (Role ID: link-name). More info
    --- (X Flame) > #topPanel > a[href="#admin.htm"]
task logViolationsSummary, *****
RESULTS FOR TEST "Color Contrast Disabled" CRITICAL VIOLATIONS: 0
SERIOUS VIOLATIONS: 0
task logViolationsTable, Object(6), Object(6), Object(6)
Object(6)
task createIdIfNotExist,
cypress/reports/accessibility/Accessibility Report --- color-contrast-disabled-test.cy.js --- Color Contrast Disabled (11-28-2024 9_30_47 PM)
  screenshot Accessibility Report --- color-contrast-disabled-test.cy.js --- Color Contrast Disabled (11-28-2024 9_30_47 PM)
Accessibility Issues Page
```

A red arrow points to the text "No contrast errors" in the center of the Cypress interface, indicating that the test has successfully disabled color contrast errors.



Test disabling color contrast

Accessibility Report (Axe-core®)

Spec: color-contrast-disabled-test.cy.js
Test: Color Contrast Disabled
Page URL: <https://parabank.parasoft.com/parabank/index.htm;jsessionid=B58B6E3A1B3009BD272A748B7D5281AC>
Generated on: Thu Nov 28 2024 21:58:32 GMT-0800 (Pacific Standard Time)

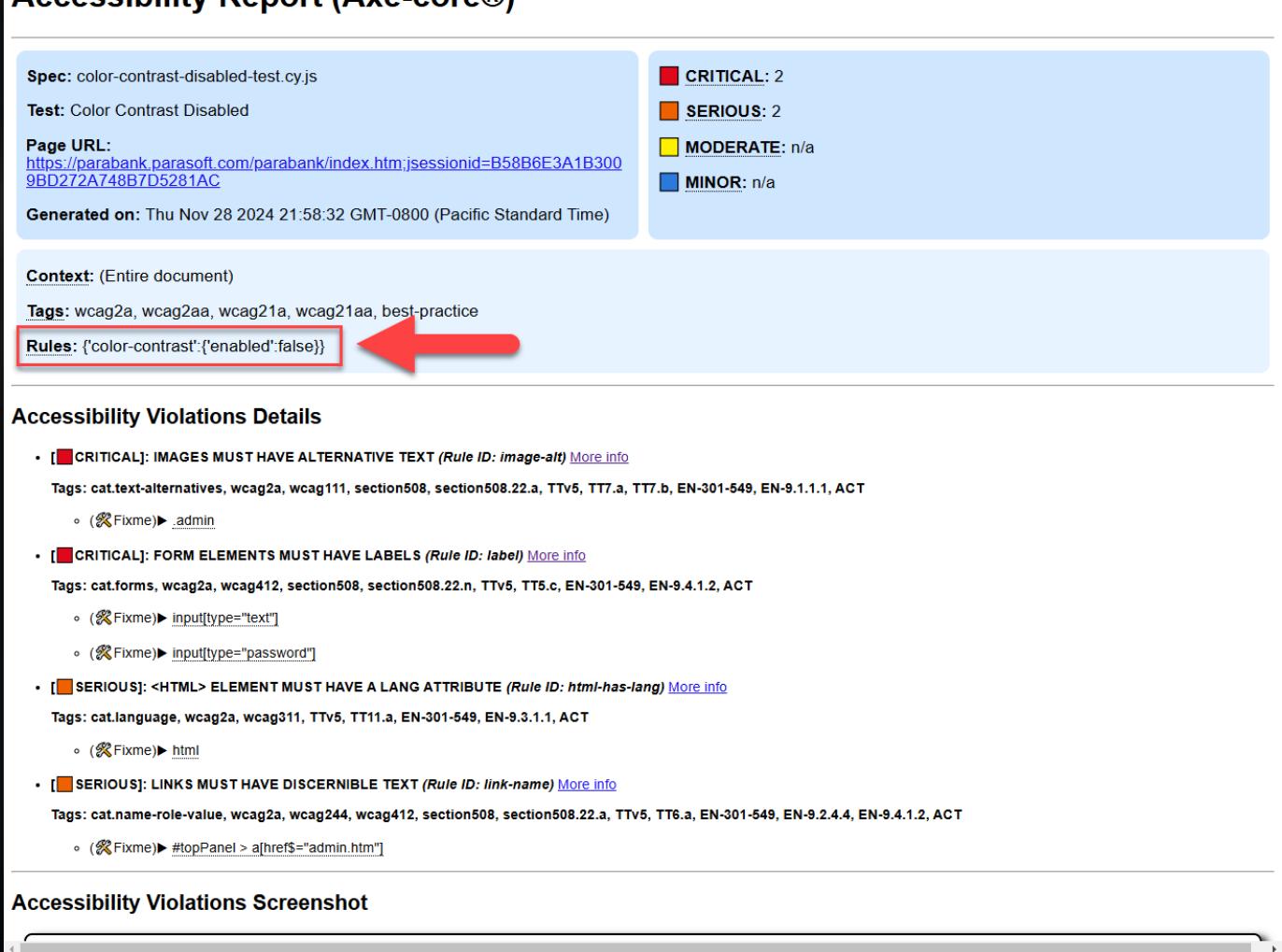
CRITICAL: 2
SERIOUS: 2
MODERATE: n/a
MINOR: n/a

Context: (Entire document)
Tags: wcag2a, wcag2aa, wcag21a, wcag21aa, best-practice
Rules: {"color-contrast": {"enabled": false}}

Accessibility Violations Details

- [■ CRITICAL]: IMAGES MUST HAVE ALTERNATIVE TEXT (Rule ID: image-alt) [More info](#)
Tags: cat.text-alternatives, wcag2a, wcag111, section508, section508.22.a, TTV5, TT7.a, TT7.b, EN-301-549, EN-9.1.1.1, ACT
 - (🔗 Fixme) ► [admin](#)
- [■ CRITICAL]: FORM ELEMENTS MUST HAVE LABELS (Rule ID: label) [More info](#)
Tags: cat.forms, wcag2a, wcag412, section508, section508.22.n, TTV5, TT5.c, EN-301-549, EN-9.4.1.2, ACT
 - (🔗 Fixme) ► [input\[type="text"\]](#)
 - (🔗 Fixme) ► [input\[type="password"\]](#)
- [■ SERIOUS]: <HTML> ELEMENT MUST HAVE A LANG ATTRIBUTE (Rule ID: html-has-lang) [More info](#)
Tags: cat.language, wcag2a, wcag311, TTV5, TT11.a, EN-301-549, EN-9.3.1.1, ACT
 - (🔗 Fixme) ► [html](#)
- [■ SERIOUS]: LINKS MUST HAVE DISCERNIBLE TEXT (Rule ID: link-name) [More info](#)
Tags: cat.name-role-value, wcag2a, wcag244, wcag412, section508, section508.22.a, TTV5, TT6.a, EN-301-549, EN-9.2.4.4, EN-9.4.1.2, ACT
 - (🔗 Fixme) ► [#topPanel > a\[href\\$="#admin.htm"\]](#)

Accessibility Violations Screenshot



10. Disabling *HTML report*



Test disabling *HTML Report*

```
cypress > e2e > JS report-disabled-test.cy.js > ...
1   /// <reference types="cypress" />
2
3   describe('Report Disabled Test Suite', () => {
4     beforeEach(() => {
5       cy.visit('/');
6     });
7
8     Open Cypress | Set ".only"
9     it('Report Disabled', { defaultCommandTimeout: 15000 }, () => {
10       // cy.checkAccessibility(context, options)
11       cy.checkAccessibility(null, { generateReport: false })
12     });
13   });

```



11. Custom styles for *impact severity*



Test with custom styles for *impact severity*

```
cypress > e2e > JS custom-style-by-severity-test.cy.js > ...
1  /// <reference types="cypress" />
2
3  describe('Custom Style by Severity Test Suite', () => {
4      beforeEach(() => {
5          cy.visit('/');
6      });
7
8      const customImpactStyling = {
9          critical: { icon: '🔴', style: 'fill: #DE071B; fill-opacity: 0; stroke: #DE071B; stroke-width: 10;' },
10         serious: { icon: '🟡', style: 'fill: #42C600; fill-opacity: 0; stroke: #42C600; stroke-width: 7;' },
11        moderate: { icon: '🔵', style: 'fill: #886DE7; fill-opacity: 0.3; stroke: #886DE7; stroke-width: 6; stroke-dasharray: 5,3;' },
12        minor:   { icon: '🟢', style: 'fill: #4598FF; fill-opacity: 0; stroke: #4598FF; stroke-width: 14;' },
13        fixme:   { icon: '⚠️' }
14    }
15
16    Open Cypress | Set ".only"
17    it('Custom Style by Severity', { defaultCommandTimeout: 15000 }, () => {
18        // cy.checkAccessibility(context, options)
19
20        cy.checkAccessibility(
21            null,
22            {
23                impactStyling: customImpactStyling,
24                includedImpacts: ['critical', 'serious', 'moderate', 'minor']
25            }
26        );
27    });
}
```



Test with custom styles for *impact severity*

Accessibility Report (Axe-core®)

Spec: custom-style-by-severity-test.cy.js
Test: Custom Style by Severity
Page URL: <https://parabank.parasoft.com/parabank/index.htm;jsessionid=4C241449CBEF6453D2008A5AFFA30C36>
Generated on: Thu Nov 28 2024 22:54:21 GMT-0800 (Pacific Standard Time)

Context: (Entire document)
Tags: wcag2a, wcag2aa, wcag21a, wcag21aa, best-practice

Accessibility Violations Details

- [CRITICAL]: IMAGES MUST HAVE ALTERNATIVE TEXT (Rule ID: image-alt) [More info](#)
Tags: cat.text-alternatives, wcag2a, wcag111, section508, section508.22.a, TTV5, TT7.a, TT7.b, EN-301-549, EN-9.1.1.1, ACT
 - (Fixme)▶ .admin
- [CRITICAL]: FORM ELEMENTS MUST HAVE LABELS (Rule ID: label) [More info](#)
Tags: cat.forms, wcag2a, wcag412, section508, section508.22.n, TTV5, TT5.c, EN-301-549, EN-9.4.1.2, ACT
 - (Fixme)▶ input[type="text"]
 - (Fixme)▶ input[type="password"]
- [SERIOUS]: ELEMENTS MUST MEET MINIMUM COLOR CONTRAST RATIO THRESHOLDS (Rule ID: color-contrast) [More info](#)
Tags: cat.color, wcag2aa, wcag143, TTV5, TT13.c, EN-301-549, EN-9.1.4.3, ACT
 - (Fixme)▶ .caption
 - (Fixme)▶ .captionone
 - (Fixme)▶ .captiontwo
 - (Fixme)▶ .captionthree
 - (Fixme)▶ .visit > li:nth-child(1)
 - (Fixme)▶ li:nth-child(2) > a[href\$="parasoft.com"]
- [SERIOUS]: <HTML> ELEMENT MUST HAVE A LANG ATTRIBUTE (Rule ID: html-has-lang) [More info](#)

CRITICAL: 2
SERIOUS: 3
MODERATE: 4
MINOR: 0



Reminder!!



cy.checkAccessibility() default options

```
cy.checkAccessibility()

// These two checkAccessibility() commands are equivalent

cy.checkAccessibility(
  null,
  {
    includedImpacts: ['critical', 'serious'],
    runOnly: ['wcag2a', 'wcag2aa', 'wcag21a', 'wcag21aa', 'best-practice'],
    generateReport: true,
    iframes: true,
  }
)
```



12. Accessibility voice feedback



How to enable *Voice Feedback*

Setting Cypress environment variable *enableAccessibilityVoice* to **true**

1. Including it within the **env** property in the *cypress.config.js* file

```
const { defineConfig } = require("cypress");

const addAccessibilityTasks = require('wick-a11y/accessibility-tasks');

module.exports = defineConfig({
  env: {
    enableAccessibilityVoice: true
  },
  e2e: {
    setupNodeEvents(on, config) {
```

2. Including it in the *cypress.env.json* file

```
{ "enableAccessibilityVoice": true }
```

3. Providing it as a command line argument **--env** in the terminal

```
npx cypress open --env enableAccessibilityVoice=true
```



Voice Feedback

Q. Search specs +

_specs

all-impact-severities-test.cy.js VOICE ACTIONS [] 00:05

- Play
- Pause
- Resume
- Stop

All Impact Severities Test Suite

 All Impact Severities Test

 BEFORE ALL

 1 task emptySpecResults

 BEFORE EACH

 1 visit / -> 302: https://parabank.parasoft.com/parabank/index.htm;jsessionid=F7CAEC4ED2D0544FCEBD7...

 4ED2D0544FCEBD7363AC9F672F

 TEST BODY

 1 readFile ./node_modules/axe-core/axe.min.js

 2 -ally error! image-alt on 1 Node

 3 -ally error! label on 2 Nodes

 4 -ally error! color-contrast on 6 Nodes

 5 -ally error! html-has-lang on 1 Node

 6 -ally error! link-name on 1 Node

 7 -ally error! heading-order on 1 Node

 8 -ally error! landmark-one-main on 1 Node

 9 -ally error! page-has-heading-one on 1 Node

 10 -ally error! region on 11 Nodes

 11 document

 12 - [CRITICAL] IMAGES MUST HAVE ALTERNATIVE TEXT (Rule ID: image-alt). More info

 13 ----(Fixme)► .admin

 14 - [CRITICAL] FORM ELEMENTS MUST HAVE LABELS (Rule ID: label). More info

 15 ----(Fixme)► input[type="text"]

 16 ----(Fixme)► input[type="password"]

 17 - [SERIOUS] ELEMENTS MUST MEET MINIMUM COLOR CONTRAST RATIO THRESHOLDS (Rule ID: color-contrast). More info

 18 ----(Fixme)► .caption

 19 ----(Fixme)► .captionone

 20 ----(Fixme)► .captiontwo

 21 ----(Fixme)► .captionthree

 22 ----(Fixme)► visit > li:nth-child(1)

https://parabank.parasoft.com/parabank/index.htm;jsessionid=F7CAEC4ED2D0544FCEBD7...

Chrome 131 1000x660 (97%)

The screenshot shows the ParaBank homepage. At the top, there's a navigation bar with links for About Us, Services, Products, Locations, and Admin Page. Below the navigation is a banner with a logo and the text "Welcome to ParaBank". To the left is a "Customer Login" form with fields for "username" and "password", and buttons for "LOG IN", "Forgot login info?", and "Register". To the right of the login form is a "LATEST NEWS" section featuring a blue box with a flower icon and the text "2/01/2024". Below the news section is a "READ MORE" button. At the bottom of the page is a footer with links for Home, About Us, Services, Products, Locations, Forum, Site Map, and Contact Us. The footer also includes the Parasoft copyright notice and a link to their website.



13. CI/CD



CI/CD Configuration

1. *.npmrc*

```
registry=https://registry.npmjs.org/
```

2. *.github/workflows/main.yml*

```
name: Cypress Tests for WICK-A11Y Video Tutorial

on: push

jobs:
  cypress-run:
    runs-on: ubuntu-22.04
    steps:
      - name: Checkout
        uses: actions/checkout@v4

      - name: Install dependencies
        run: npm ci

      - name: Cypress run
        uses: cypress-io/github-action@v6

      - name: Upload npm error log
        if: ${{ failure() }}
        uses: actions/upload-artifact@v4
        with:
          name: npm-error-log
          path: /home/runner/.npm/_logs/*.log
```



CI/CD GitHub Action Results

The screenshot shows the GitHub Actions interface for a repository named "wick-a11y-sample-project". The "Actions" tab is selected, displaying the results of a run titled "CI/CD Configuration #1".

Summary: Triggered via push 1 hour ago by sclavijosuero pushed to 66f70a8 main. Status: Failure. Total duration: 1m 19s. Artifacts: 1.

Workflow file: main.yml (on: push)

cypress-run: 1m 10s

Cypress Results:

Result	Passed	Failed	Pending	Skipped	Duration
Failing	0	10	0	0	17.436s

Job summary generated at run-time

Annotations: 1 error

cypress-run: Cypress tests: 10 failed

Artifacts: Produced during runtime

Name	Size
npm-error-log	13 KB

CI/CD GitHub Action Results

Summary

Jobs

cypress-run

Run details

Usage

Workflow file

cypress-run

failed 1 hour ago in 1m 10s

Search logs

Cypress run

53s

Spec	Tests	Passing	Failing	Pending	Skipped
all-impact-severities-test.cy.js	00:02	1	-	1	-
color-contrast-disabled-test.cy.js	00:02	1	-	1	-
context-test-exclude.cy.js	00:01	1	-	1	-
context-test-include.cy.js	00:01	1	-	1	-
custom-style-by-severity-test.cy.js	00:02	1	-	1	-
first-test.cy.js	00:01	1	-	1	-
only-critical-severity-test.cy.js	00:01	1	-	1	-
only-rules-wcag20-test.cy.js	00:01	1	-	1	-
only-rules-wcag20aa-test.cy.js	00:01	1	-	1	-
report-disabled-test.cy.js	996ms	1	-	1	-
X 10 of 10 failed (100%)	00:17	10	-	10	-

Error: Cypress tests: 10 failed

> Upload npm error log 1s

> Post Checkout 0s

> Complete job 0s



CI/CD GitHub Action Results

Summary

Jobs

cypress-run

Run details

Usage

Workflow file

cypress-run

Report Disabled Test Suite

***** ACCESSIBILITY RESULTS FOR TEST "Report Disabled"

CRITICAL VIOLATIONS: 2

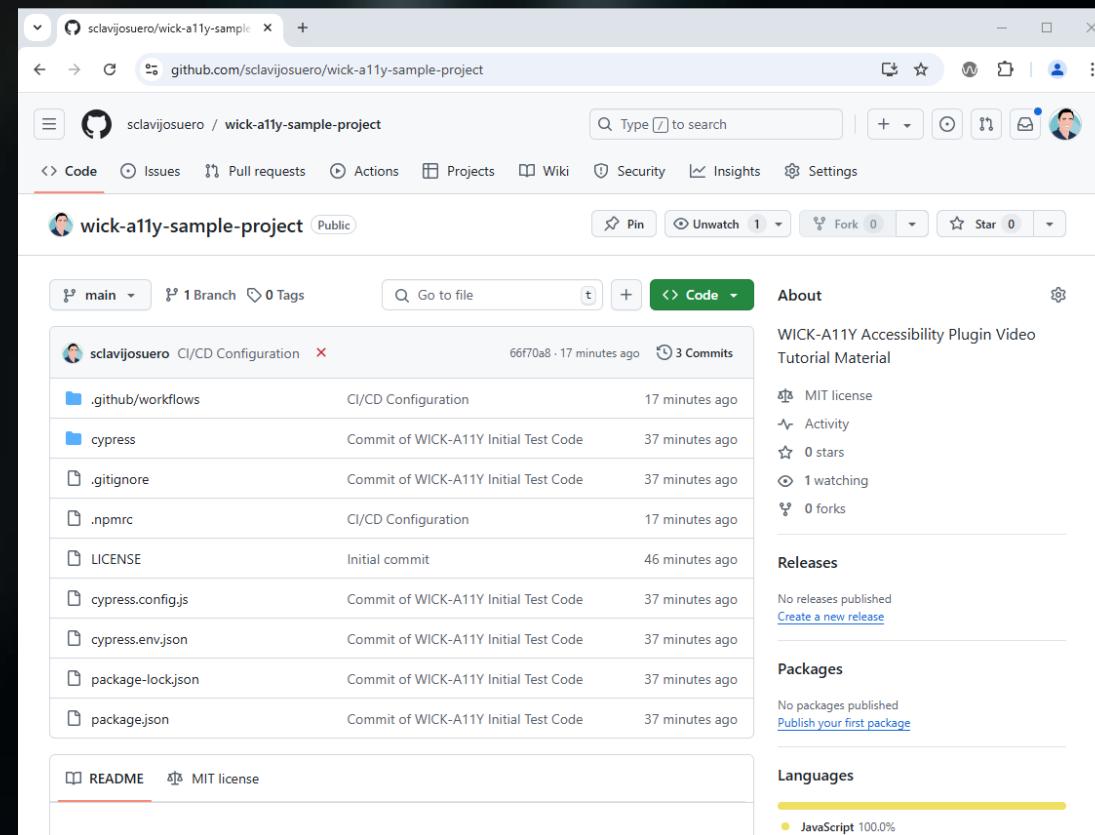
SERIOUS VIOLATIONS: 3

(index)	IMPACT	RULEID	TAGS	DESCRIPTION
634	SELECTORS			
635	MOREINFO			
636	0	'CRITICAL' 'image-alt (Images must have alternative text)' TT7.a, TT7.b, EN-301-549, EN-9.1.1.1, ACT'	'.admin'	'cat.text-alternatives, wcag2a, wcag111, section508, section508.22.a, TTv5, https://dequeuniversity.com/rules/axe/4.10/image-alt?application=axeAPI '
637	1	'CRITICAL' 'label (Form elements must have labels)' 301-549, EN-9.4.1.2, ACT'	'input[type="text"], input[type="password"]'	'cat.forms, wcag2a, wcag412, section508, section508.22.n, TTv5, TT5.c, EN- https://dequeuniversity.com/rules/axe/4.10/label?application=axeAPI '
638	2	'SERIOUS' 'color-contrast (Elements must meet minimum color contrast ratio thresholds)' .caption, .captionone, .captiontwo, .captionthree, .visit > li:nth-child(1), li:nth-child(2) > a[href\$="parasoft.com/"]'	'cat.color, wcag2aa, wcag143, TTv5, TT13.c, EN-301-549, EN-9.1.4.3, ACT' 'Ensure the contrast between foreground and background colors meets WCAG 2 AA minimum contrast ratio thresholds' https://dequeuniversity.com/rules/axe/4.10/color-contrast?application=axeAPI '	
639	3	'SERIOUS' 'html-has-lang (<html> element must have a lang attribute)' 'html'	'cat.language, wcag2a, wcag311, TTv5, TT11.a, EN-301-549, EN-9.3.1.1, ACT'	'Ensure every HTML document has a lang attribute' https://dequeuniversity.com/rules/axe/4.10/html-has-lang?application=axeAPI '
640	4	'SERIOUS' 'link-name (Links must have discernible text)' TTv5, TT6.a, EN-301-549, EN-9.2.4.4, EN-9.4.1.2, ACT'	'#topPanel > a[href\$="admin.htm"]'	'cat.name-role-value, wcag2a, wcag244, wcag412, section508, section508.22.a, https://dequeuniversity.com/rules/axe/4.10/link-name?application=axeAPI '



wick-a11y Sample Project Repo

<https://github.com/sclavijosuero/wick-a11y-sample-project>



Related Blogs & Videos:



[WICK-A11Y Cypress Plugin: Your Unstoppable Ally for Smashing Accessibility Barriers, Cool as John Wick!](#) (*Sebastian Clavijo*)



[WICK-A11Y "Chapter" 1.2.1 - Voice Support: The Accessibility Cypress Plugin that Talks More Than John Wick in His Movies](#) (*Sebastian Clavijo*)



[Let's talk about wick-a11y...](#) (*James Wadley*)



[Open Source Accessibility Plugins in Cypress](#) (*Mark Noonan*)



[Cypress Accessibility Testing powered by WICK-A11Y](#) (*JoanMedia*)

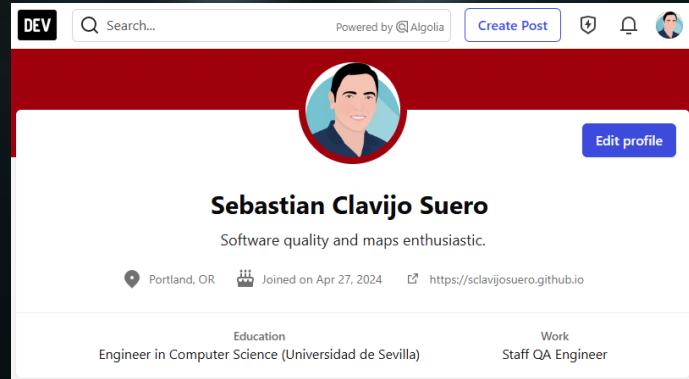


Where to find me?



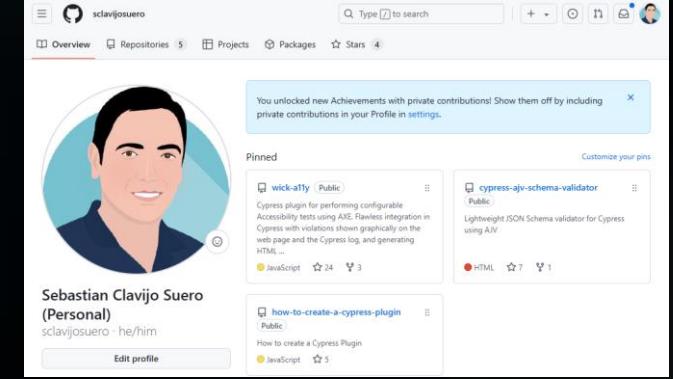
LinkedIn profile of Sebastian Clavijo Suero. It shows a large profile picture of him in a red "WICK-A11Y" t-shirt, his name, title, location (Portland, OR), education (Engineer in Computer Science at Universidad de Sevilla), work experience (Staff QA Engineer at KUBRA), and a summary: "Software quality and maps enthusiast." It also lists his GitHub repository "wick-a11y" and his npm package "cypress-ajv-schema-validator".

www.linkedin.com/in/sebastianclavijosuero/



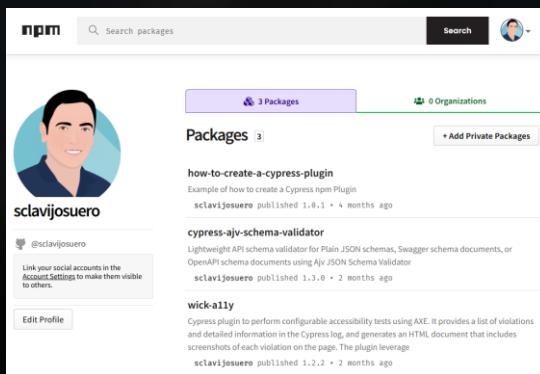
DEV.to profile of Sebastian Clavijo Suero. It features a circular profile picture, his name, a brief bio, location (Portland, OR), and a link to his GitHub page. Below the bio, there are sections for Education (Engineer in Computer Science) and Work (Staff QA Engineer).

dev.to/sebastianclavijo



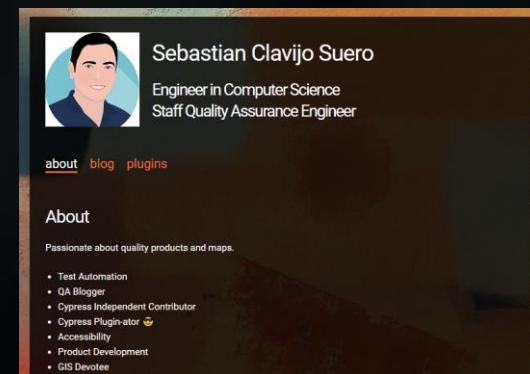
Github profile of Sebastian Clavijo Suero. It shows a large profile picture, his name, and a message about achievements. Under the pinned section, it lists his GitHub repositories: "wick-a11y" (a Cypress plugin for accessibility testing), "cypress-ajv-schema-validator" (a lightweight JSON Schema Validator), and "how-to-create-a-cypress-plugin" (a guide to creating Cypress plugins). It also shows his LinkedIn profile.

github.com/sclavijosuero



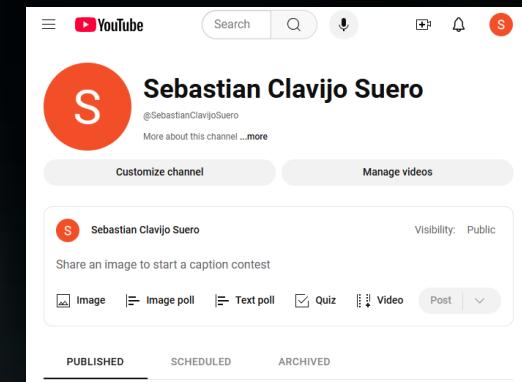
npm profile of Sebastian Clavijo Suero. It shows a large profile picture, his name, and a list of packages he has published: "how-to-create-a-cypress-plugin", "cypress-ajv-schema-validator", and "wick-a11y". It also shows his LinkedIn profile and a note to link social accounts.

www.npmjs.com/~sclavijosuero



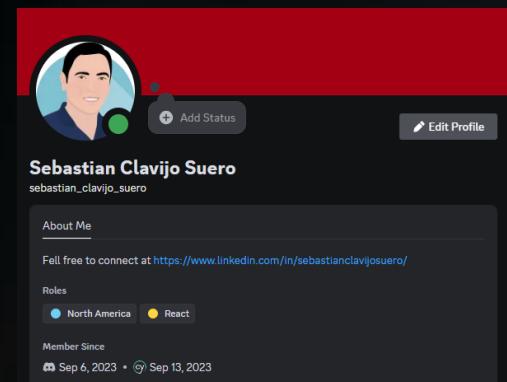
GitHub website profile of Sebastian Clavijo Suero. It shows a large profile picture, his name, title, and a brief bio. Below the bio, there are links for "about", "blog", and "plugins".

sclavijosuero.github.io/



YouTube channel profile of Sebastian Clavijo Suero. It shows a large profile picture, his name, and a brief bio. Below the bio, there are tabs for "PUBLISHED", "SCHEDULED", and "ARCHIVED".

www.youtube.com/@SebastianClavijoSuero



Discord invite link for Sebastian Clavijo Suero. It shows a large profile picture, his name, and a link to his LinkedIn profile. It also shows his roles (North America, React) and member since date (Sep 6, 2023).

discord.com/invite/cypress