Websites tested according to WCAG 2.0 Guidelines

URL:

1. https://screwdriver.cd/
2. https://docs.screwdriver.cd/

Screen reader: JAWS 2020

Browser: Firefox 87.0
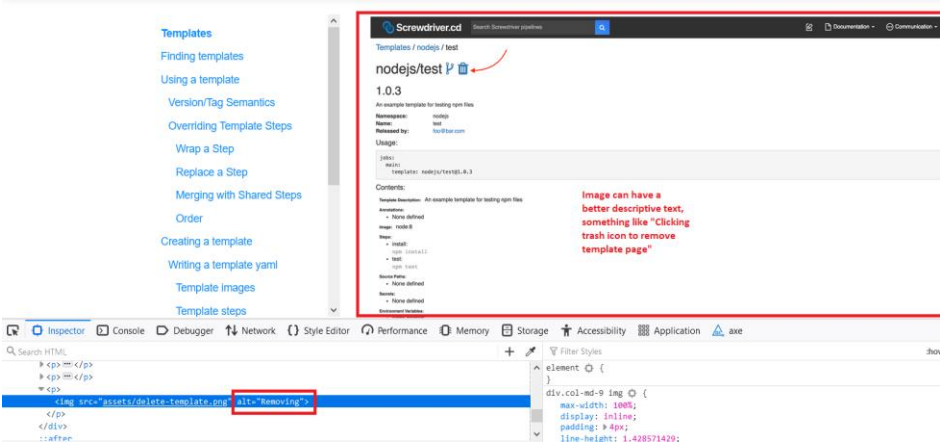
Tested by: Rakshit Parashar

Checklist

Success Criteria	Status (PASS,Fail,N/A)
Non-text Content	Fail
Audio-only and Video-only (Prerecorded)	N/A
Captions (Prerecorded)	N/A
Audio Description or Media Alternative (Prerecorded)	N/A
Captions (Live)	N/A
Audio Description (Prerecorded)	N/A
Info and Relationships	Fail
Meaningful Sequence	Pass
Sensory Characteristics	Pass
Use of Color	Pass
Audio Control	Pass
Contrast (Minimum)	Fail
Resize Text	Pass
Images of Text	Pass
Keyboard	Pass
No Keyboard Trap	Pass
Timing Adjustable	Pass
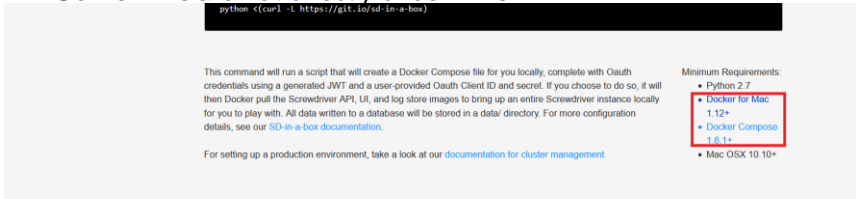
Pause, Stop, Hide	Pass
Three Flashes or Below Threshold	Pass
Bypass Blocks	Fail
Page Titled	Pass
Focus Order	Fail
Link Purpose (In Context)	Fail
Multiple Ways	Fail on https://screwdriver.cd/
Headings and Labels	Fail
Focus Visible	Fail
Language of Page	Fail
Language of Parts	Pass
On Focus	Pass
On Input	Pass
Consistent Navigation	Pass
Consistent Identification	Pass
Error Identification	N/A
Labels or Instructions	Pass
Error Suggestion	N/A
Error Prevention (Legal, Financial, Data)	N/A
Parsing	Pass
Name, Role, Value	Fail

1.1.1 Non text purpose	**Defect** Some images do not have alternative text value
Screenshots	These images do not have alternate text values.

Reference	**How to fix**: All images should have alt text. If the image is important, it should have meaningful descriptive alt text. if image is not important, it should have empty (alt="") value Please use techniques shown here : https://www.w3.org/TR/WCAG20-TECHS/H37.html

1.3.1 Info and relationships

1.3.1 Info and relationships	**Defect:** Some elements do not meet 1.3.1 requirements.
Screenshots	1. Some links are not directly under links 2. Some headings are not in logical order hierarchy

These are H4, I dont think heading tags are required for names.
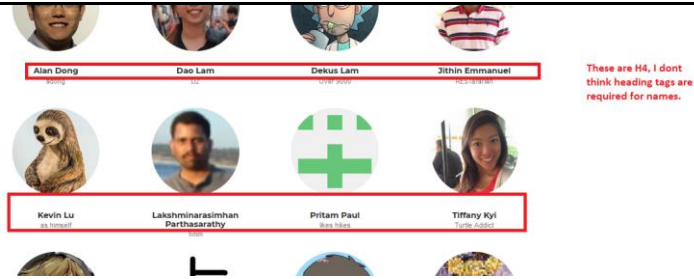
3. Tables do not have Summary/caption

key	description
api-url	The Screwdriver API URL of the cluster you are using
store-url	The Screwdriver Store URL of the cluster you are using
token	An API token for the Screwdriver API of the cluster you are using
launcher-image	The launcher image (default: `screwdrivercd/launcher`)
launcher-version	The launcher version (default: `stable`)

build command

This command runs builds in your local environment.

All tables do not have caption/summary

Usage

Run a build for a specific job. Even if the build succeeds, other builds are not triggered.

```
$ sd-local build <job name>
```

It starts the build based on the `screwdriver.yaml` config in the current directory. Build artifacts will be created under the "./sd-artifacts" directory.
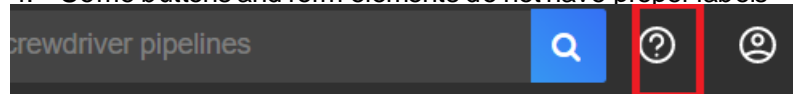
Options
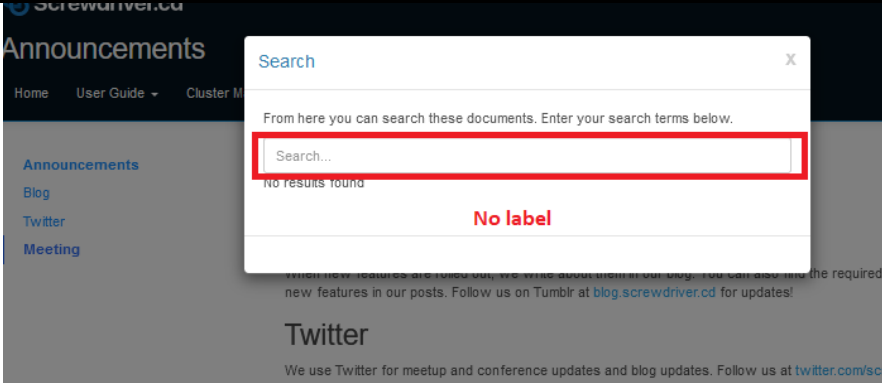
The following options can be used with the build command:

option	description
--artifacts-dir	The build artifacts destination (default: `./sd-artifacts`)
-e, --env	The environment variables in a build environment using `<key>=<value>` format (multiple variables allowed)
--env-file	The environment variables in a build environment using file format (refer to env-file format)
-i, --interactive	Attach the build container in interactive mode
-m, --memory	The memory limit of the build environment (can be specified in b, k, m, or g memory unit)
--meta	The metadata used in a build environment using string JSON format: e.g. `"{\"HOGE\": \"FOO\"}"`
--meta-file	The metadata used in build environment using file format
--src-url	The remote SCM URL to build (`https` or `ssh` format)
--sudo	Use sudo command to execute docker runtime

Note:

4. Some buttons and form elements do not have proper labels

Button does not have any label

Reference	**How to fix**: 1. `<li><a href="https://www.docker.com/products/docker">Docker for Mac 1.12+</a></li>` use this format for listing links. Please use techniques shown here : https://www.w3.org/TR/WCAG20-TECHS/H37.html 2. • Main Heading should begin from H1. • Sub heading of main heading should be H2 , sub-sub heading of main heading should be H3 and so on. No heading level should be skipped. • Headings of similar kind of content should be consistent throughout the website. 3. All tables should have descriptive summary or cation which describes the purpose of the table.

1.4.3: Contrast (Minimum)	**Defect**: Defect: Many text do not meet the minimum contrast ratio of 4.5:1
Screenshots	Use Color Contrast Analyzer test the text and its background Check for the contrast ratio of 4.5:1 All links similar to the ones highlighted below do not meet minimum contrast ratio requirements, please fi all. Our experiences have inspired us to set out to build an intuitive, sophisticated tool to boost developer productivity. Special thanks to our original team members St. John Johnson, Jeremiah Wuenschel, Noah Katzman, Peter Peterson, Darren Matsumoto and our resident designer Chas Turansky. Other contributors include Min Zhang, Filbert Jahja, Pranav Ravichandran, Ben Dang, Zhongtang Tian, Reetika Rastogi, Cynthia Xin Li, Yufeng Gao, Philip Scott, Joel Sequeira, Ian Fox, Brian Wang, Nicolai Ferraris, Jerry Zhang, Ryosuke Nakayama, Yomei Komiya, Yuta Ohkawara, and our friends from Yahoo Japan. The Screwdriver team is based in Sunnyvale, CA. We've built Screwdriver with easy configurability and isolation as security in mind. ✔ Pick and choose plugins that make sense for you ✔ Keep track of your config in code ✔ Not tied to any one compute platform ✔ Control your own cluster ✔ RESTful, fully documented API ✔ It's free!! SU We support an expanding list o n work in your ecosystem.

Colour Contrast Analyser

Options Image Help

Foreground   Background
Colour select: Hex: Colour select: Hex:
#188FFF   #F5F5F5

Result - luminosity
Text   Foreground:#188FFF
✗ Fail (AA)   Background:#F5F5F5
✗ Fail (AAA)   The contrast ratio is: 3.0:1

Large text   Text failed at Level AA
✔ Pass (AA)   Text failed at Level AAA
                       Large text passed at Level AA
✗ Fail (AAA)   Large text failed at Level AAA

☐ Show contrast result for colour blindness   Copy results

TRY IT TODAY

Colour Contrast Analyser

ptions   Image   Help

Foreground

Colour select: Hex:
                        #FFFFFF

Background

Colour select: Hex:
                        #188FFF

Result - luminosity

Text
✗ Fail (AA)
✗ Fail (AAA)

Large text
✔ Pass (AA)
✗ Fail (AAA)

Foreground:#FFFFFF
Background:#188FFF

The contrast ratio is: 3.3:1

Text failed at Level AA
Text failed at Level AAA
Large text passed at Level AA
Large text failed at Level AAA

☐ Show contrast result for colour blindness   Copy results

Options   Image   Help

Foreground

Colour select: Hex:
                        #777777

Background

Colour select: Hex:
                        #F5F5F5

Result - luminosity

Text
✗ Fail (AA)
✗ Fail (AAA)

Large text
✔ Pass (AA)
✗ Fail (AAA)

Foreground:#777777
Background:#F5F5F5

The contrast ratio is: 4.1:1

Text failed at Level AA
Text failed at Level AAA
Large text passed at Level AA
Large text failed at Level AAA

☐ Show contrast result for colour blindness   Copy results

ewdriver is   nuous De

We've built Screwdriver with easy configurability and isolation as security in mind.
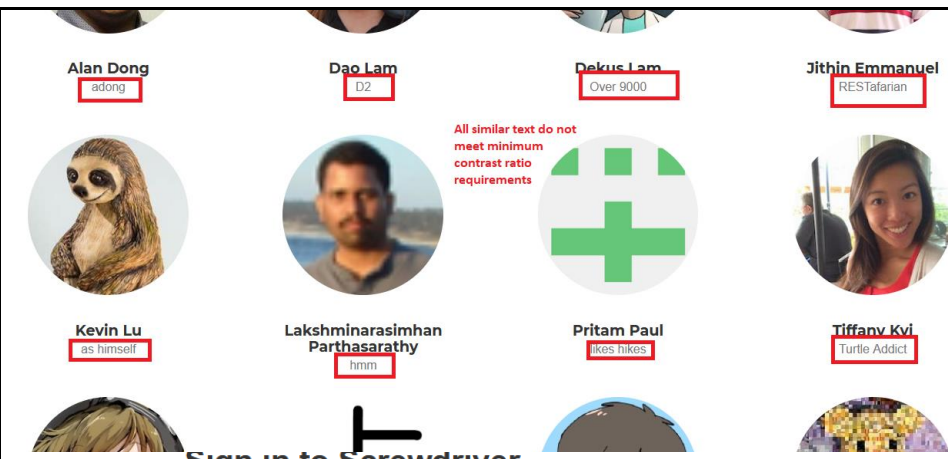
d choose plugins that make sense for you   ✔ Keep track of your config in code

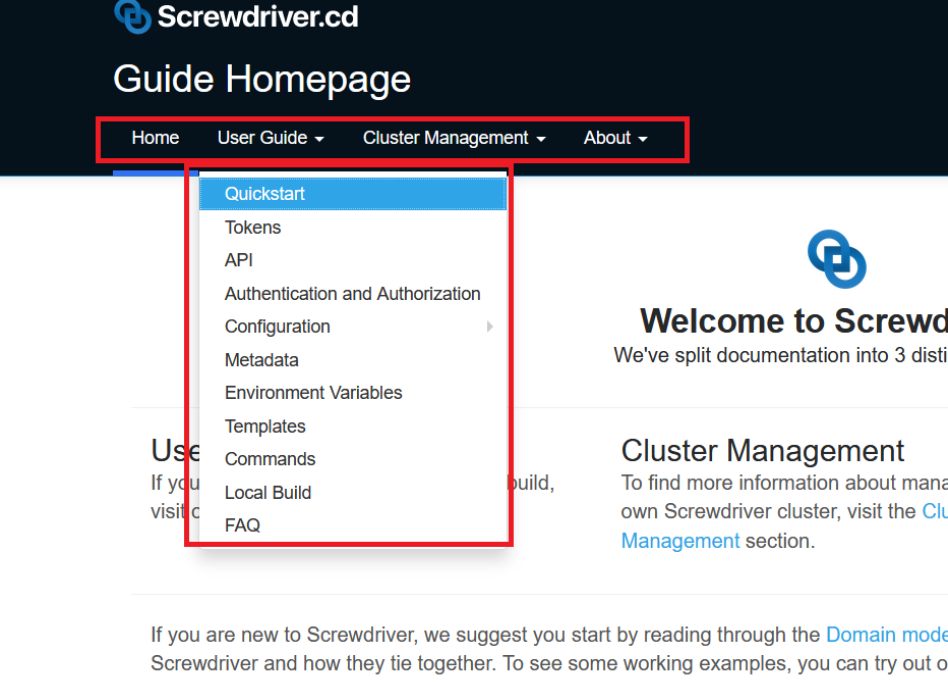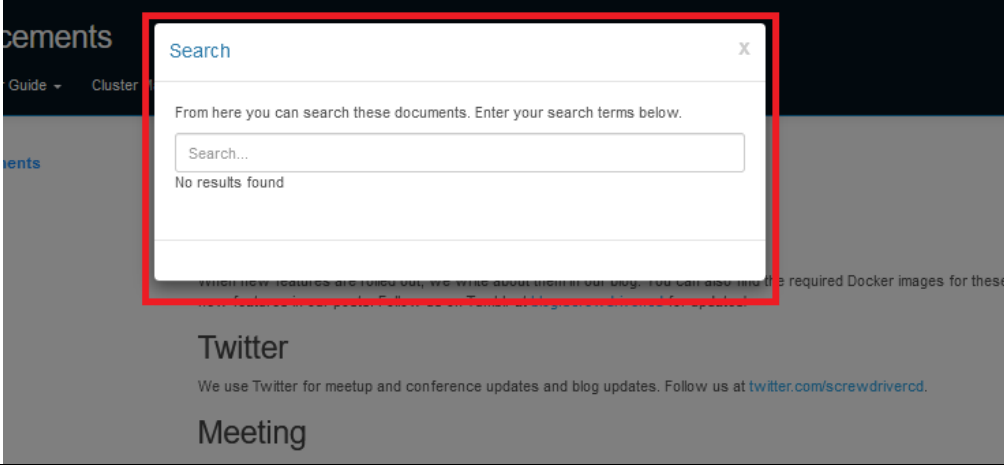l to any one compute platform   Control your own cluster

| | Alan Dong | Dao Lam | Dekus Lam | Jithin Emmanuel |
| | adong | D2 | Over 9000 | RESTafarian |

All similar text do not meet minimum contrast ratio requirements

| | Kevin Lu | Lakshminarasimhan Parthasarathy | Pritam Paul | Tiffany Kvi |
| | as himself | hmm | likes hikes | Turtle Addict |

Sign in to Screwdriver

driver uses your source code management solution to handle
driver access to your repos will allow us to automatically add
same permissions model to pipelines as you have already se

Clicking this button will open a new window with your

Sign in with github

➜ Sign in with Guest Access

Colour Contrast Analyser — □ ✕

Options Image Help

Foreground
Colour select: Hex: #21527C

Background
Colour select: Hex: #003ABC

Result - luminosity

Text
✗ Fail (AA)
✗ Fail (AAA)

Foreground:#21527C
Background:#003ABC

The contrast ratio is: 1.1:1

Large text
✗ Fail (AA)
✗ Fail (AAA)

Text failed at Level AA
Text failed at Level AAA
Large text failed at Level AA
Large text failed at Level AAA

☐ Show contrast result for colour blindness   Copy results

| Reference | **How to fix**: How to fix: The text and its background combination need to meet the minimum contrast ratio of 4.5:1 <br> https://www.w3.org/WAI/WCAG21/Understanding/contrast-minimum.html |

2.4.1: Bypass Blocks

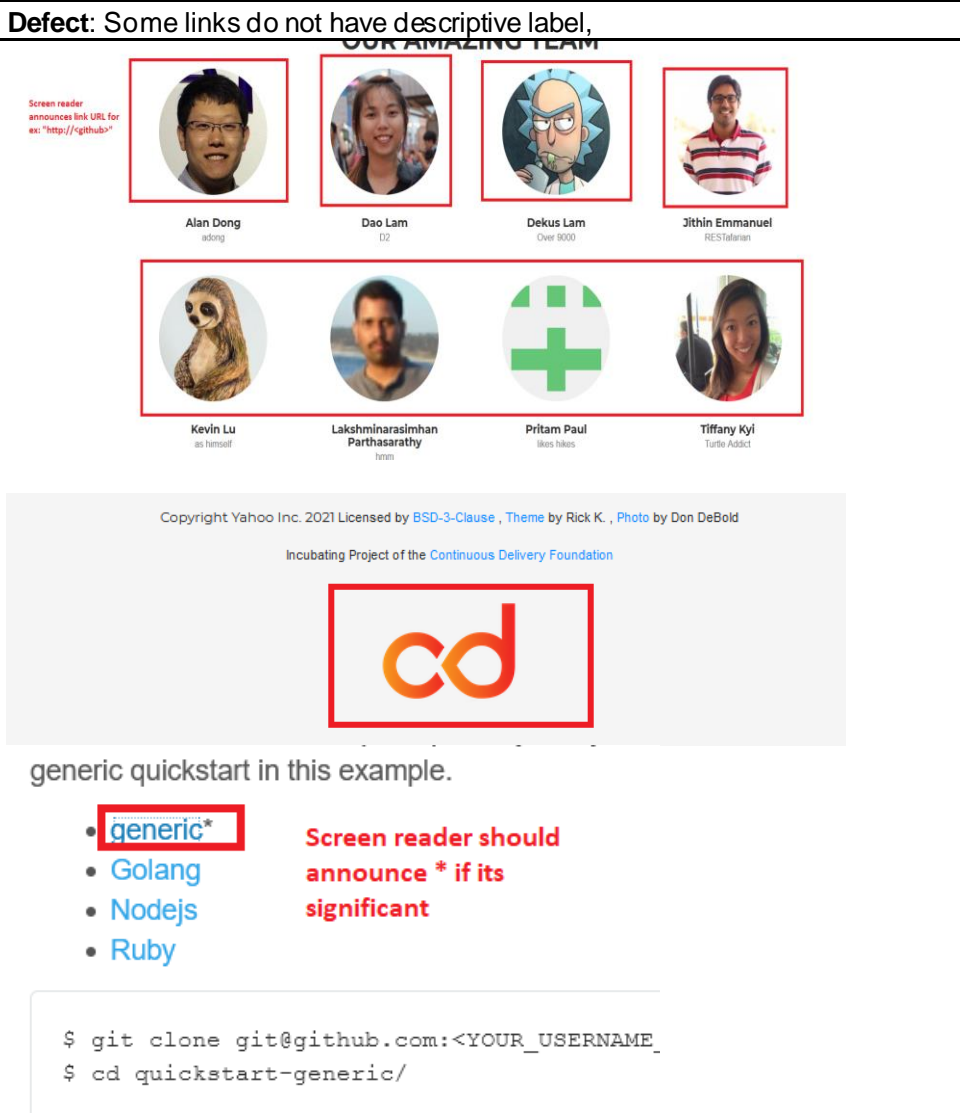| **2.4.1 Bypass Blocks**	**Defect** There are no bypass blocks on the website
	The intent of this Success Criterion is to allow people who navigate sequentially through content more direct access to the primary content of the Web page.
Reference	**How to fix**: Adding a link at the top of each page that goes directly to the main content area Please use techniques shown here : https://www.w3.org/WAI/WCAG21/Understanding/bypass-blocks.html

2.4.3 Focus order

2.4.3 Focus order	**Defect:** Menus do not have logical focus order
Screen shots	1. The complete menu does not have logical focus order

2. Modal dialogs do not have logical focus order,
   - On pressing ESC key, focus does not move to previously active element
   - On multiple tab press, focus moves out of the dialog box.

How to fix:
1.
   - How a the highlighted menubutton and its menu and menuitems should behave -
   - On pressing Enter/Space on menubutton – Opens/Closes the menu and sets focus on the first menuitem in the menu.
   - Pressing ESC should close the menu and focus should move back to previously active parent element.
   - On pressing Up/Down arrow key - Moves focus to the previous/next menu item. If focus is on the first/last menu item, moves focus to the last/first menu item.

Screen reader should announce the name of menuitem as they receive focus.

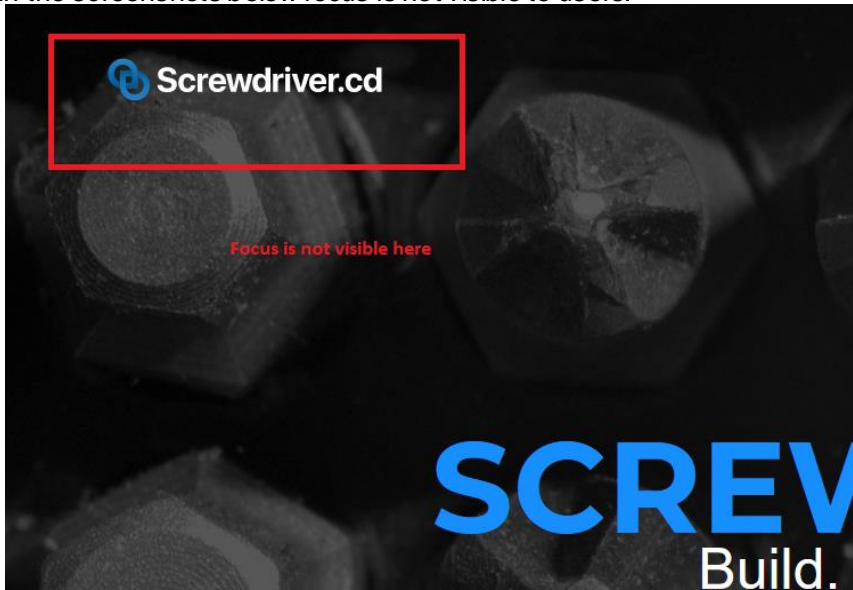|	https://www.w3.org/TR/wai-aria-practices/examples/menubar/menubar-1/menubar-1.html
	2. • When user presses Esc key, it should close the modal dialog and focus should move back to the previously active focusable element. • For most dialogs, the expected behavior is that the dialog's tab order wraps, which means that when the user tabs through the focusable elements in the dialog, the first focusable element will be focused after the last one has been reached. In other words, the tab order should be contained within and by the dialog. • On shift+tab key press: Moves focus to previous focusable element inside the dialog. When focus is on the first focusable element in the dialog, moves focus to the last focusable element in the dialog.

2.4.4 Link Purpose

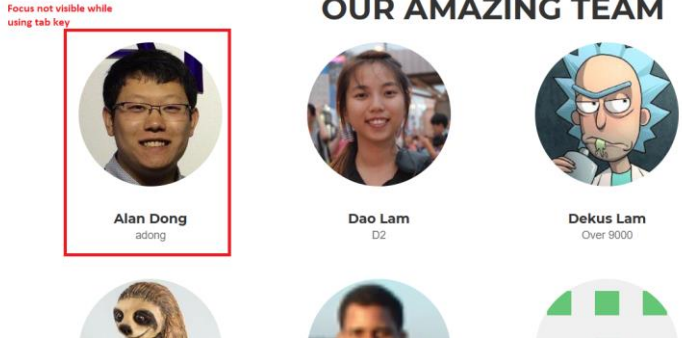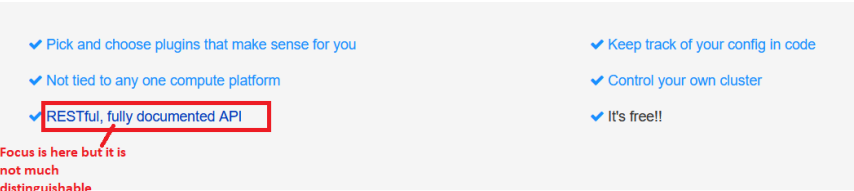| 2.4.4 Link Purpose	Defect: Some links do not have descriptive label,
Screenshots	
Reference	How to fix: The description lets a user distinguish this link from links in the Web page that lead to other destinations and helps the user determine whether

to follow the link. The URI of the destination is generally not sufficiently descriptive. Please use techniques shown here https://www.w3.org/TR/2016/NOTE-WCAG20-TECHS-20161007/G91

2.4.5 Multiple Ways

2.4.5 Multiple Ways	Defect There are no bypass blocks on the website
	The intent of this Success Criterion is to make it possible for users to locate content in a manner that best meets their needs. Users may find one technique easier or more comprehensible to use than another.
Reference	How to fix: Providing table of contents/search mechanism Please use techniques shown here : https://www.w3.org/TR/UNDERSTANDING-WCAG20/navigation-mechanisms-mult-loc.html
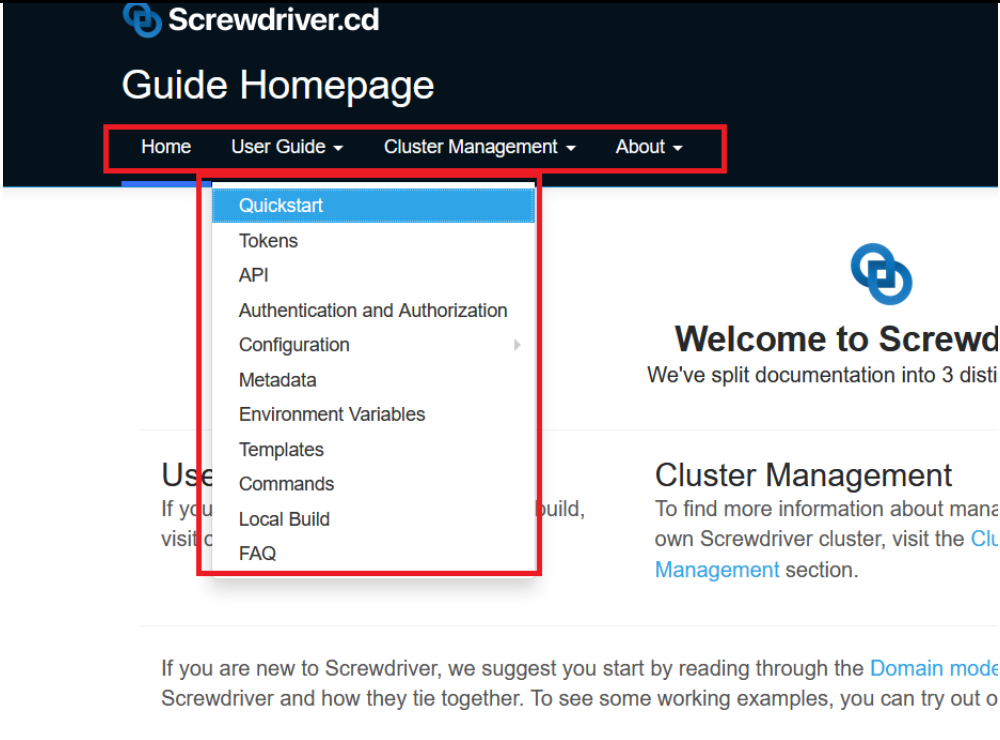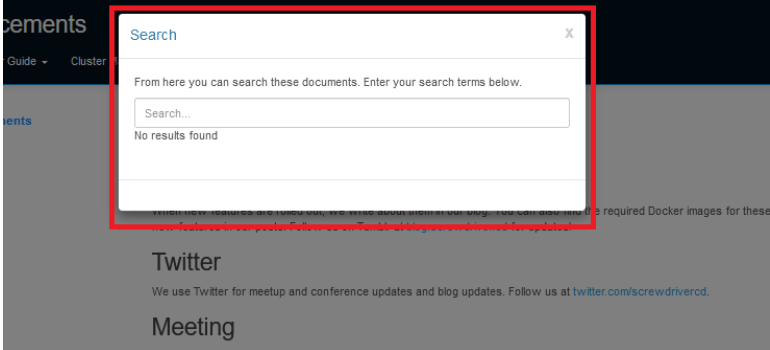
2.4.7: Focus Visible

2.4.7: Focus Visible	Defect: Many interactive elements do not have visible focus.
Screenshots	In the screenshots below focus is not visible to users.

OUR AMAZING TEAM

Focus not visible while using tab key

Alan Dong
adong

Dao Lam
D2

Dekus Lam
Over 9000

In the screenshots below links, although Technique C15 (using CSS to distinguish focus) is used, It is still not enough for users to identify with color related disabilities. Please fix this issue for all similar elements

✔ Pick and choose plugins that make sense for you   ✔ Keep track of your config in code

✔ Not tied to any one compute platform   ✔ Control your own cluster

✔ RESTful, fully documented API   ✔ It's free!!

Focus is here but it is not much distinguishable

This command will run a script that will create a Docker Compose file for you locally, complete with Oauth credentials using a generated JWT and a user-provided Oauth Client ID and secret. If you choose to do so, it will then Docker pull the Screwdriver API, UI, and log store images to bring up an entire Screwdriver instance locally for you to play with. All data written to a database will be stored in a data/ directory. For more configuration details, see our SD-in-a-box documentation.

For setting up a production environment, take a look at our documentation for cluster management.

Minimum Requirements:
• Python 2.7
• Docker for Mac 1.12+
• Docker Compose 1.8.1+
• Mac OSX 10.10+

Reference	How to fix: When the user places focus on an element, using the mouse, tab key, arrow keys, keyboard shortcuts, or any other method, the application should make that focus more visible, using a combination of a highly contrasting color, a thick line, and other visual indicators such as a glow. Please use techniques shown here : https://www.w3.org/WAI/WCAG21/Understanding/focus-visible

4.1.3 Names and roles

4.1.3 Names and roles	**Defect:** Elements used as menus should have proper roles
Screenshots	1. Some list of links are used as menu but they do not have correct roles

2. Screen reader does not announce title of modal dialogs

 |
| Reference | **How to fix-**
1.
- For Menu bar – Menu bar should have role=" menubar" which Identifies the element as a menu bar container for a set of menu item elements and it is not focusable. It should have aria-label =" string" which defines an accessible name for menu bar.
- Elements identified as menu items inside a menu bar should have role="menuitems". Menuitems should have aria-haspopup , aria-expanded attributes. Implied "listitem" role of the li element should be removed with use of role=" none".
- For Submenu – Element as a menu container for a set of menu items should have role =" menu". Other roles for submenu follow the same usage as given for menu bar.
2. Provide title attribute for dialog boxes
. |

2.4.4 Link Purpose	Defect Website does not have the value of the LANG attribute set to one of the ISO 639 languages
Screenshots	
Reference	How to fix: How to fix: Website should have English as mentioned language. <html lang="en"> Please use techniques shown here : https://www.w3.org/WAI/WCAG21/Understanding/language-of-page.html