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

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| 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

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| **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

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| **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      1. Some headings are not in logical order hierarchy          1. Tables do not have Summary/caption      1. Some buttons and form elements do not have proper labels |
| 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>   * 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.  1. All tables should have descriptive summary or cation which describes the purpose of the table. |

## 1.4.3: Contrast (Minimum)

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

## 2.4.1: Bypass Blocks

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| **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**

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| **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      1. 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. |
| Reference | **How to fix**:   * 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>      * 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

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| **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**

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| **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

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| **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.      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 |
| **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**

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| **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      1. Screen reader does not announce title of modal dialogs |
| Reference | **How to fix-**   * 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.  1. Provide title attribute for dialog boxes   . |

## 3.1.1 Language of Page

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| **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 |