

I used the accessibility checker provided by axe dev tools in the form of a chrome extension. It was very simple to use. It integrated very easily into the existing chrome functionalities. After installation, all I had to do was, open a website and click on inspect button upon right click to find axe dev accessibility checker, which would then pull the accessibility report from the opened webpage.

Easy Navigation and Legibility: Major userbase of stack overflow is programmers and engineers. Though the overall layout is easy for majority of users due to it's easily legible headers and well defined page structure, however to achieve easier navigation, keyboard access to scrollable region can make it more user friendly for a wider range of disabled audience. Font size for the headings at few places can increase and decrease in a regular and predictable order to make it more screen reader-friendly. Hyperlinks must have discernable text.

Page Titles: Page titles are dynamic in browser tabs, and they change appropriately as and when new pages are opened. This gives clarity and a brief insight into what the webpage is about.

Contrasting Colors, red/green usage: Foreground and background colors in some sections of the website are not meeting the minimum contrast ratio thresholds. This will affect the people with disabilities and colorblindness.

Solid color background: Background color in stack overflow changes with the responses and upvotes to any questions. Since this is a knowledge exchange platform, when any answer gets accepted, it is indicated by the green checkmark, likewise a greyish red background represents a deleted post or thread in stackoverflow.

Limited number of fonts: Overall, the website has legible fonts and less variety of fonts. This is user friendly and not that confusing to the users.

Font Size/color/all caps: Font size is adaptive and dynamically changes in the homepage specific to the job role of the user, and the job roles keep highlighting in orange colour like data scientist, developer, engineer etc.,

Links do have descriptive text to explain about the space the link is directing to and also the alternative text to explain in case the site is not loading or delayed.

Use of Images as links: There are images for various portfolios offered by stackoverflow like advertising, coding advice and teams collaboration. Upon clicking the banners, it will redirect to the target pages.

Flashing or strobing elements: There are flashing elements on the homepage of our website, but they are well organized and attracting the user attention to retain user traffic. It is well planned and executed overall.