

Abstract

In the AJAX -based web application, there is a problem of accessibility that is faced by user with disabilities. This problem occurred because it is using an asynchronous technic for displaying the information in the web pages.

Accessibility is the difficulty level for a user with specific needs in accessing an application using a software as a helping tools or a hardware that known as Assistive Technology (AT). One of the solution is to use a guideline named Accessible Rich Internet Application (ARIA) that enable AT in receiving updated informations and then inform it to the user.

This final project is implementing and analyzing how an ARIA-based web application show a higher accessibility with AT as the parameter and to measure the increase in accessibility level. Whether ARIA still need more semantic addition.

Based on the conducted research , it can be concluded that a reciprocation between web browser and AT is required to support ARIA. More over, the ARIA still need more semantical improvement and addition to optimize its performance.

Keywords: AJAX, accessibility, people with disabilities, accessible rich internet application, ARIA, Assistive Technology, AT