

EXSM 3929 Assignment 2:

Manual and Automated Testing

Student: ccid, last name, first name

Due: May 21, 2023

Description

The purpose of this assignment is to gain practice with manual and automated website or web application accessibility testing. We will manually test a website or application first and then use two different automated tests. It is important that we note any important differences between the two methods. Furthermore, we will need to comment on the test results.

A simple manual testing process is provided, but feel free to add your own criteria or remove some items if they do not apply to your website. There are many automated accessibility testing tools that are free to use. Research a few tools and then select two specifically for this assignment.

- <https://www.w3.org/WAI/ER/tools/>

Note: Many of the automated testing tools will cite the [Web Accessibility Standards](#). We will specifically cover this topic later in the course.

Instructions

Make a **copy** of this document, **edit, export** as a **PDF** and **submit** on **eClass**. Please keep this cover page.

DESCRIPTION	VALUE	MARK
Document is submitted with proper ccid, name, and date	2	
Document is complete with talking points relevant to the course	8	

Assignment

Part 1 — Introduction

1. Which **website or web application** will you test, and why? (provide the link)
 - ...answer here
2. What is the purpose of this website or application?
 - ...answer here
3. Describe the steps a typical user must take in order for them to achieve their objective? (at least four steps, for example “a. **Navigate** to the homepage, b. **Read** the latest news headline, c. **Observe** the option to “read more”, d. **Click** the read more button, e. **Continue** reading on the next page”...)
 - a. ...
 - b. ...
 - c. ...
 - d. ...

Part 2 — Specific Instructions

- ☐ Using only the keyboard (no mouse or trackpad) try to achieve the user objective using the steps you have described above
 - Make a note about any barriers or frustrations
 - Simplified manual checklist
 - ☐ The page has a logical tab order
 - ☐ Interactive controls are keyboard focusable
 - ☐ Interactive elements indicate their purpose and state
 - ☐ User focus is not accidentally trapped in a region
 - ☐ Forms and custom controls have associated labels
 - *Advanced: try to achieve this same objective with eyes closed and screen reader on (no mouse or trackpad)*
- ☐ Research and select two different automated accessibility tools from the link above
- ☐ Run the automated tests on your website or web application of choice
- ☐ Take a screenshot of the tool test results (each, use the screenshots in Part 3)

- ☐ Review the reports and summarize any important findings (answer below)

Part 3 — Reflection

1. Were you able to achieve your user outcome without the mouse or trackpad?

☐ 1
(no) ☐ 2 ☐ 3 ☐ 4 ☐ 5 (yes)

2. How easy were the automated test results to understand?

☐ 1
(not easy) ☐ 2 ☐ 3 ☐ 4 ☐ 5 (very easy)

Section B

1. Were you able to achieve your user outcome without the mouse or trackpad? Discuss why you selected the score above. (use at least three sentences)

- ...answer here

2. Describe the most important results from each automated testing tool, add in screenshots of the tool results (use at least three sentences each).

- ...answer here
- ...answer here

3. Discuss whether the automated testing tools captured your manual testing experience, and whether they automated provided any value that was not captured manually (use at least three sentences).

- ...answer here