EXSM 3929 Assignment 5: Prioritizing Accessibility Issues

Students: ccid, last name, first name; (continue if groups)

Due: Jun 11, 2023

Description

The purpose of this assignment is to gain practice setting priorities for accessibility issues. We will perform an accessibility audit on a website or application and then prioritize the work to be completed. To complete this assignment you will need to use the skills and knowledge gained from the previous modules.

Style Guidelines

Written answers must contain at least two complete sentences, and all questions must be completed. Lists may also be acceptable answers if presented with at least one complete sentence, and appropriate explanation.

Graphical content such as images and tables are recommended to support answers where appropriate. Tables must contain a title (*Table 1: "My Table Description"*), and be presented in a readable format. Images must also contain an appropriate title (*Figure 1: "My Image Description"*). All images must be explained, images of text alone are not acceptable.

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**, **date,** and **title**	2	
Document is **complete** with talking points **relevant to the course**	10	
Document **content** is aligned with the **style guidelines** (see above).	8	

Assignment

Part 1: Introduction

Instructions

Complete the following questions.

Questions (written)

1. Which **website or web application** will you test, and why? (must link the text)

   - …answer here

2. What is the purpose of this website or application?

   - …answer here

3. How do you suppose this business or organization maintains operations? (how does it generate revenue, or where does it get funding, etc.)

   - …answer here

4. What is the main user objective when visiting this website or application?

   - …answer here

5. Describe the steps a typical user must take inorder for them to achieve this 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"...*).

   Hint: detailed answers here will help later.

   a. …
   b. …
   c. …

d.   …

Part 2: Testing

Instructions

Complete the following checklist, and provide the detailed answers where indicated.

Questions (checklist)

☐ Perform a manual accessibility audit on your chosen website or application.
- ○ Include screen reader testing
- ○ Include keyboard testing
- ○ Describe the issues in your own words (Hints: What were you trying to do, why? What were the barriers that you faced? Are these to be expected? Is this acceptable?)

● …answer here

☐ Run two automated tests on your website or web application of choice
- ○ Describe the automated tools (Hint: What did you choose and why? What is the tool good for?)
- ○ Screenshot the results (must be high quality images, see style guide)
- ○ Summarize the results in your own words (Hint: Describe the issue in a paragraph. Recreate any important tables inside this Google Document, you must explain all images)
- ○ Include links to the tool

● …answer here

☐ Identify the relevant issues from the WCAG 2.1 specification
- ○ Create a table for each issue (attempt to find 3-7 issues)
- ○ Include links to the appropriate section
- ○ Refer to tables created in a previous assignment for help

● …answer here

Part 3: Prioritization

Instructions

Complete the following questions, there are two parts, Section A is for your initial reaction, and Section B is for more thoughtful work.

Section A

1. Is it obvious how accessibility issues should be prioritized?

   ☐ 1 (no)   ☐ 2   ☐ 3   ☐ 4   ☐ 5 (yes)

2. What is your greatest priority issue? Why? (one sentence)

● …answer here

3. Describe your strategies for prioritizing accessibility issues. (use at least three sentences)

   ● …answer here

Section B

1. Present your accessibility issues in a table format (unprioritized). You can use multiple tables. The table should clearly identify the accessibility issue from WCAG specification and contain a description of your experience on the website or application. See previous assignments for an acceptable table format.

   ● …answer here

2. Referring to the issues above **only by their table name,** make an unordered list of the tables. We will use this list for the next few questions. For example:

   ● **Table 1: Insufficient color contrast on buttons**
   ● **Table 2: …**
   ● **…**

- …answer here

3. Repeat the entire list above, but **add a comment to each line**. Comment on **how you were personally affected by the issue**. Use a numbered system where 1 is personally unaffected, and 5 is very disturbed. For example:

    - **Table 1: Insufficient color contrast on buttons (personal frustration: 3)**

    - …answer here

4. Repeat the entire list above, but **add a comment to each line**. Comment on **which of the four accessibility principles are involved**. Use an abbreviated letter system: P,O,U,R where each letter represents Perceivable, Operable, Understandable, and Robust. For example:

    - **Table 1: Insufficient color contrast on buttons (personal frustration: 3, principles: P)**

    - …answer here

5. Repeat the entire list above, but **add a comment to each line**. Comment on **how widespread this issue is.** Use a numbered system where 1 indicates the issue occurs infrequently, and 5 indicates that the issue occurs in many places. For example:

    - **Table 1: Insufficient color contrast on buttons (personal frustration: 3, principles: P, extent: 5)**

    - …answer here

6. Repeat the entire list above, but **add a comment to each line**. Comment on **how difficult this issue might be to fix (estimate).** Use a numbered system where 1 indicates the issue might be easy to fix, and 5 indicates that the issue might be difficult to fix. For example:

- **Table 1: Insufficient color contrast on buttons (personal frustration: 3, principles: P, extent: 5, difficulty: 1)**

- …answer here

7. Repeat the entire list above, but **add a comment to each line**. Comment on **the degree to which you believe this issue may affect the bottom-line of this business or organization** (estimate)? For example:

   - **Table 1: Insufficient color contrast on buttons (personal frustration: 3, principles: P, extent: 5, difficulty: 1, impact: 4)**

   - …answer here

8. Consider the five metrics presented here: **personal frustration**, **accessibility principles**, **extent of issue**, **solution difficulty**, and **business impact**. Order these five metrics, the first should be the most important to you, the fifth should be the least important.

   - …answer here

9. Finally, use the answer to question seven and eight (above) to **present a prioritized list of accessibility issues**. Present your list of table names as ordered by priority.

   - …answer here

10. **Discuss and comment on any difficulty in making the decisions** required to present this final list (question nine), based on your list from question eight. Were there any conflicts in setting this final priority? If so, how did you resolve this?

    - …answer here