

**MSIT 533: MSCIS Special Topics in Information Systems**

**Assignment 1**

**Due: March 5th**

For this assignment you are to

* Select three main website you use often
  + One International (US-based), One regional (GCC-level), One local (Kuwait)
  + Using the W5H try to understand more about the audience and report your findings
  + Check if the homepage has clearly defined
    - Headers
      * Are they in presenting in the right order?
      * are they logical?
    - Titles, Paragraphs, Images, Forms, Links, <button> vs. <div> or <span>
    - Does the page use header, nav, main, article, aside or footer? Elaborate.
    - Is the colour contrast across the webpage acceptable?
    - Do all images have alt-text?
    - Is there any proof of accessibility best practices discussed in class for example: skip links, logical tab order, alerts, semantics (HTML/5/ARIA – roles, states, properties) etc.
    - Attempt testing using only a keyboard (start tabbing)
      * Are focus styles clearly visible?
      * Is everything focusable that should be?
      * Are the buttons real <button>s?
      * Is the overall UX using a keyboard great?
      * Are elements hidden or shown correctly?
      * Does visual order match DOM order?
      * Can you use custom JS components without a mouse?

**Note:** If the answer to any of the above is no, the site is not accessible.

* + Additionally: Use a screen reader to parse through one of the websites (GCC/local) and highlight things that contradict the visual experience versus what a blind user may experience.
  + After completing your report begin your own Github folder “My A11Y journey” to gather accessibility code-snippets and resources that will help you design/develop an accessible website. This project will be your work in progress throughout the term. It will culminate once it includes all of the learnings you have from this course’s assessments.
    - You should structure the folder in a simplified way to be used as a guide / tutorial style for yourself in future projects and to refer other developers so they benefit from it.
    - The project should be made public to support the promotion of adopting the learning of digital accessibility in Kuwait. I will share assessment criteria in time.

CLOs for Ass 1

|  |  |
| --- | --- |
| CLO 2 | Critically analyze existing interfaces, based on their adherence to usability principles and concepts. |
| CLO 4 | Design and carry out an accessibility manual evaluation of low and medium complexity websites, including analyzing and reporting the results. |

## Resources:

Chrome accessibility A11y shortcuts are helpful

[https://wave.webaim.org/](https://www.youtube.com/redirect?event=video_description&redir_token=QUFFLUhqbVUwZ1cxVzZqZjdtNzc2blNiSXQzS3E2YXluUXxBQ3Jtc0tueVFqd0NLSnYxU2NYWEFFWFVTOVFvVFNtZXhLVTFuT1RuZ2cwZmJLQVg2TURhYkR4UlFuRmxmajlwV2cyZ3VIWXhYcFBYM1hJOHY1YlJocWcwTGFiLWhYQTV1X2szZGpOVmQ0eGJGRlR1RXZYTFdSbw&q=https%3A%2F%2Fwave.webaim.org%2F&v=gzI1y1wBCWw)

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

<https://www.a11yproject.com/resources/>

<https://a11y-tools.com/> <https://www.equalweb.com/>

<https://developer.chrome.com/blog/ful...>

<https://developer.chrome.com/docs/dev...>

<https://dequeuniversity.com/screenreaders/>

Manual testing example: <https://www.youtube.com/watch?v=FP_t5R_sfqY&ab_channel=TwinCitiesDrupal>