25W_CST8914_010 Accessible by Design

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Presented to Toufic Sbeiti

Lab 11

Purpose: Published page
https://danielabouassalyy.github.io/CST8914-lab11/,
Questions

1. What is the missing keyboard interaction?

- ✓ Originally, the accordion component lacked the proper keyboard navigation. According to ARIA guidelines, keyboard-only users should be able to move between accordion headers using the arrow keys (Arrow Up/Down) as well as Home and End keys. This navigation lets users efficiently move focus between headers without having to rely solely on the Tab key.

- ✓ In our improved code, we added an event listener for keydown events to handle Arrow Up/Down, Home, and End, enabling smoother focus movement between accordion buttons.

2. What is the missing ARIA?

- ✓ The missing ARIA aspects were the proper implementation of ARIA attributes that define the relationship between the accordion headers and their corresponding panels. Specifically, the original code did not include:

  - ❖ aria-expanded on each accordion button to indicate whether its associated panel is open or closed,
  - ❖ aria-controls on the button to reference the ID of the controlled content panel,
  - ❖ For the content panels, an appropriate role="region" and aria-labelledby attribute to associate the panel with its header.

- ✓ These attributes ensure that assistive technologies, like screen readers, correctly communicate the state and relationship of each accordion element to the user.