**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/**](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.