**Accessible Navigation (WCAG 2.0 AA compliance)**

This navigation is based on bootstrap 4.3

All the main selectors are declared top in JS

Some classes need to be there for behaving this navigation is fully accessible.

This is just AA compliance. AAA is still in progress.

Some key features of this navigation.

Structure of Menu:

1. Write the menu code always inside the navigation <nav> tag.
2. Wrap Menu Items in the **ordered list** <ol>when you need in a specific order, otherwise use Unordered list <ul>.
3. Use **ARIA Labels as per the use cases**.  
   Use **aria-labelledby** to refer to an existing element by its selector id. Use **aria-label** approach if the label should not appear visually on the page. To make things clear please refer to the following 2 code snippets. See the following examples of both attributes:

**WAI-ARIA**roles:

* **menubar:** Denotes a menu bar.
* **menu:** Denotes a set of links. it is used for the fly-out menus.
* **menuitem:** Denotes an individual menu item.
* **separator:** Denotes a separator between two groups of menu items in a menu.

**WAI-ARIA Markup to identify submenu to screen readers:**

* **aria-haspopup="true" -** to declare that a menu item has a submenu.
* **aria-expanded="false" -** to declare that the submenu is hidden currently.

Keyboard Support and Focus Management for the “Navigation Menubar” pattern

It is likely to assume that switching between controls (e.g., links, buttons) within a “menubar” using the keyboard, would be done by pressing the *Tab* key as we would with intractable elements that are not part of a “menubar“. However, the “menu” and “menubar” semantics dictate specific and non-standard keyboard support.

Let’s look at the “menu” and “menubar” roles’ definitions and what they are saying regarding the keyboard support.

Both definitions end with this sentence:

Main menu keys functions

| **Key** | **Function** |
| --- | --- |
| Space, Enter | -Opens submenu. |
| Right Arrow | – Moves focus to the next item in the menubar. |
| Left Arrow | – Moves focus to the previous item in the menubar. |
| Down Arrow | -Opens submenu and moves focus to the first item in the submenu. |
| Up Arrow | -Opens submenu and moves focus to the last item in the submenu. |

Dropdown Keys

| **Key** | **Function** |
| --- | --- |
| Space, Enter | Activates menu item, causing the link to be activated. |
| Escape | – Closes submenu. – Moves focus to parent menubar item. |
| Right Arrow | – If focus is on an item with a submenu, it opens the submenu and places focus on the first item. |
| Left Arrow | – Closes submenu and moves focus to the parent menu item. |
| Down Arrow | – Moves focus to the next item in the submenu. |
| Up Arrow | – Moves focus to the previous item in the submenu. |