

# **Accessible Widgets**

## **Part III**

Eric Eggert, Knowbility & W3C

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# Eric Eggert

Germany

2013–2016: W3C/WAI

2016–today: Knowbility & W3C/WAI Fellowship

Translating WCAG to Human.

# Times

Day & Time	Room	Presenter	Topics
May 9th, 10:15-11:45	JBWS 165	Patrick Fox	Focus management, Announcing dynamic content, Tool tips, Modal dialogs, Dynamic table filtering and sorting
May 9th, 4:00-5:30	JBWS 163	Eric Eggert	Date picker, Time field, Combo box, Progress bar
May 10th, 10:15-11:45	JBWS 163	Eric Eggert	Slider, Accordion, Tabs, Alerts
May 10th, 2:15-3:45	JBWS 163	<del>Patrick Fox</del> Eric Eggert	Wizard progress indicator, File selector and upload, Form validation, Search by location, Dynamic application page elements and flow

**Slider, Accordion,  
Tabs, Alerts**

Context

# User Experience

Usability

**To ARIA  
or not to  
ARIA?**





**1. If you *can* use a native HTML5 element or attribute with the semantics and behaviour you require already built in, instead of re-purposing an element and adding an ARIA role, state or property to make it accessible, then do so.**

**2. Do not change  
native semantics,  
unless you really  
have to.**

# Example:

```
<h1 role="button">  
heading button</h1>
```

**Example:**

# Example:

```
<h1><button>heading  
button</button></h1>
```

**3. All interactive  
ARIA controls  
must be usable  
with the keyboard.**

# Example:

If using `role=button` the element must be able to receive focus and a user must be able to activate the action associated with the element using both the enter (on WIN OS) or return (MAC OS) and the space key.

**4. Do not use  
role="presentation"  
or aria-hidden="true"  
on a visible focusable  
element .**



**5. All interactive elements must have an accessible name.**

***Slider***

# W3C WAI Tutorial

[w3.org/WAI/tutorials/carousel](http://w3.org/WAI/tutorials/carousel)

***Accordion***



*Welchmeister*

*Berliner*



# Accordion Example

- <http://www.oaa-accessibility.org/example/35/>
- <http://codepen.io/yatil/full/PNVvLw/>

***Tabs***

# ***ARIA Tabs***

<http://codepen.io/jeffsmith/pen/YqrzOa/>



# ***non-ARIA Tabs***

<http://codepen.io/jeffsmith/pen/mPByya/>



# ***Danger! ARIA tabs***

<http://simplyaccessible.com/article/danger-aria-tabs/>

# *Alerts*

see <https://www.w3.org/WAI/tutorials/forms/notifications/>

# Sources:

- Font: Lato
- Skull: Created by Andrew Cameron, from the Noun Project