# Web Components Review

The devices used for testing were Windows desktop/laptop with JAWS and NVDA screen readers and iPhone with VoiceOver screen reader.

## Navigation

### Tabs

These work perfectly when users navigate with the Tab key. However, reads a bit strange using arrow keys. JAWS reads the tab label twice – once as text and once as the tab element – and NVDA reads only the first tab as a clickable element. NVDA also does not indicate which tab is currently selected.

Dropdown list functionality does not work with iOS VoiceOver, the list opens but screen reader users cannot select an option. All variants also look identical, including the tabs with icons, the icons aren’t displayed.

IconButtonMenu

These work perfectly with Tab key, on iOS VoiceOver and with NVDA. However, JAWS arrow keys cannot move down the list, only the Tab key works.

ButtonTabs

This has the same behaviour as tabs on desktop, namely with JAWS reading the tab labels twice and NVDA labelling only the first tab as a clickable element. On mobile, iOS VoiceOver has the same issue as JAWS where the tab label is read twice, once as text and once as the tab element.

## Inputs

Buttons

These are perfect. My only note is that JAWS using arrow keys reads the disabled buttons twice, once as text and once as the button element.

ButtonGroup

These are also perfect as is.

Checkbox

These are perfect.

CheckboxGroup

These are perfect.

ComboBox

The toggle button can have more a descriptive label. The combobox itself works fine on desktop.

It’s more difficult to navigate with iOS VoiceOver, users can only open list using the toggle button, but not using input field like the iOS default combobox. Sometimes the dropdown list will close automatically because focus jumps back to input field, or the list is open but the screen reader does not move down to options. Tooltip is not read by VoiceOver and doesn't come next in focus order so VoiceOver users can't easily navigate to it.

CurrencyInput

For variants where the input field has a label, this is not read when users tab to the input field (same issue on iOS). Steps of 5 doesn't reliably work on desktop because screen reader keys also use up/down arrows but it's okay most of the time.

This input should open the number keyboard on mobile.

DatePicker

This is perfect on desktop. iOS VoiceOver labels this as a multi-line text field which is incorrect but not a big deal. Also, when a VoiceOver user selects the next month in the calendar, they must navigate backwards to go back through the dates, but again not a huge issue.

IconButton

This is perfect.

Link

This is perfect. My only note is links should really always have an underline/dashed line/some other visual indicator other than colour that differentiates it from the surrounding text.

LinkWithIcon

This is perfect.

MultiSelect

The selected item in the list should have additional label 'selected', otherwise this is all good on desktop.

Users cannot select an item from the list with iOS VoiceOver for the default example but it worked fine on the variant with an error?

RadioButton

This is perfect.

RadioButtonGroup

This is also perfect.

Select

This is good to go on desktop, but users cannot select an item from the list with iOS VoiceOver for the default example. Same as multi select, the other variants work fine, aside from the fact that selecting an item causes screen reader focus to jump back to top of the page. The disabled variant is missing the 'unavailable' label on iOS.

Slider

This is perfect. My only note is to consider adding a text label to the notches, it's not immediately obvious what values they represent.

TextArea

This is perfect.

TextInput

This is perfect.

Toggle

This is perfect.

## Feedback

Alert

This is perfect.

InlineAlert

This is perfect.

## Surfaces

Accordion

This is perfect.

AccordionGroup

This is perfect as is.

AlertModal

Screen reader focus should not immediately go to the Contact us button when modal opens, especially because on iOS VoiceOver, only the button receives focus and the modal text was not announced by default like on desktop.

InformationModal

Same as the alert modal, focus should not immediately be on the buttons when the modal opens.

StandardModal

This is perfect.

## Data Display

Spinner

This should have a label 'loading'.

Table

The tabs variant has the same issues as the tab element with labels being read twice with JAWS.

Tooltip

The variant where the tooltip is triggered by a link does not open with JAWS/NVDA arrow keys, only with the Tab key, but this isn’t a huge issue.