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Free Code Camp Vienna 05/2017

webclerks

[meetup.com/webclerks](https://www.meetup.com/webclerks)

 @wearewebclerks

Next meetup: 22.5.2017

LEVEL-UP YOUR CAREER

BECOME A

FOCUS MANAGER

**Surfing the web without
a mouse sucks...**

...and it's our fault!

BUT!

We can fix it!

Possible issues

- Missing or insufficient focus styles
- Off-screen content
- Bad semantics (e.g. button)
- Bad focus management (e.g. modal window)

Possible solutions

- `:focus` styling
- Setting `tabindex`
- Knowing and using basic HTML
- Manage focus
- Trap focus

:focus styling

```
a:focus {  
  color: #FF00FF;  
}
```


Setting tabindex

```
<h2 tabindex="0">
```

```
  A focusable heading
```

```
</h2>
```

Semantics matter

```
<!-- DON'T: -->
```

```
<div class="btn">I'm a div</div>
```

```
<div class="btn" tabindex="0">I'm a div</div>
```

```
<div class="btn" tabindex="0"  
role="button">I'm a div</div>
```

```
<!-- DO: -->
```

```
<button>Just use button</button>
```

Remember last focus

```
// Store the last focused element
let lastFocusedElement = document.activeElement;

// Close the window by clicking the close button
close.addEventListener('click', removeModal);

function removeModal() {
  // Remove the modal window if it's visible
  modal.classList.remove('is-visible');
  // Return focus to last focused element
  lastFocusedElement.focus();
}
```

Trap focus

```
// If the current element in focus is the first
focusable element within the modal window..

if (document.activeElement === firstTabStop) {
    e.preventDefault();

    // ...jump to the last focusable element
    lastTabStop.focus();
}
```

Who are we making this for?



power user



one arm



arm injury



new parent

permanent



situational

TWEETABLE TAKE-AWAY

Assuming that everybody is able to see, hear, say, and touch all the time creates the potential to ignore a lot of users.

Plugins and best practices

- <https://frend.co/>
- <https://inclusive-components.design>
- http://heydonworks.com/practical_aria_examples/

TWEETABLE TAKE-AWAY

Make sure to test JS components for keyboard support before you use them.

Pens

- <https://codepen.io/matuzo/pen/jmZzPK?editors=1000>
- <https://codepen.io/matuzo/pen/QvNJOW?editors=1100>
- <https://codepen.io/matuzo/pen/EmKrZq?editors=1100>
- <http://codepen.io/matuzo/pen/YVqRaj?editors=1010>
- <https://codepen.io/matuzo/pen/xgwxNw>
- <https://codepen.io/matuzo/pen/YNyPMj>
- <https://codepen.io/matuzo/pen/BpQreX>
- <https://codepen.io/matuzo/pen/pRNVJN>
- <https://codepen.io/matuzo/pen/GrNdvK>

More links..

- <https://www.meetup.com/webclerks/>
- <https://medium.com/alistapart/writing-html-with-accessibility-in-mind-a62026493412>
- <https://medium.com/@matuzo/writing-javascript-with-accessibility-in-mind-a1f6a5f467b9>
- <https://uxdesign.cc/i-totally-forgot-about-print-style-sheets-f1e6604cfd6>
- <https://medium.com/@matuzo/getting-started-with-css-font-loading-e24e7ffaa791>

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THANK YOU