intopia

Low vision and keyboard users, focus order and management

Engineering Session 2

What will we cover?

Is everyone ok if we **record this session**?

Session 2:

- Part 1: Low vision users
- Part 2: Keyboard use
- Part 3: Focus order
- Part 4: Focus management

Part 1: Low vision users

May use:

- System settings (e.g. magnification, font sizing, colour choices)
- Browser-based page zoom (e.g. increase to 400%)
- Enlarge text to 200% (e.g. Zoom text only extension)
- Screen magnifier software (e.g. ZoomText)
- Screen reader software (e.g. JAWS, NVDA, VoiceOver, Narrator)

Let's meet [Cammie](#), a ZoomText user - who **sometimes inverts the screen colours** to make information easier to see.

Frustrations:

- Lack of colour contrast
- Pop-ups that appear off-screen
- Right-aligned content - especially interactive elements
- Layouts or components that break when resized

Some quick tests:

- Page zoom to 400%
- [Text-only zoom to 200%](#) (Chrome)
- [ColourBlindly](#) (Chrome)
- [Colour Contrast Checker](#) (Chrome)

Part 2: Keyboard use

May use:

- [Voice recognition software](#) (e.g. Dragon NaturallySpeaking)
- [Eye or head tracking software](#) (e.g. Dynavox, Apple iOS)
- [Head pointer](#)
- [Sip and puff](#)
- [Head switches](#)
- [Mouth stick](#)

Frustrations:

- The inability to navigate using the keyboard only
- Poor methods of navigating content
- Not enough time to complete tasks
- Poor or non-visible focus states
- Confusing focus order
- Poor focus management

Some quick tests:

- [Access all functionality via keyboard only](#)
- Ability to bypass blocks
- Ability to bypass infinite scrolling

Part 3: Focus order

To discuss:

- Why is focus order important
- TAB order vs reading order (linearisation)

Some quick tests:

- Is focus order intuitive across pages/processes?
- Is focus order intuitive within components?

Example to review:

- [Table rows within "Bills to pay" page](#)

Part 4: Focus management

To discuss:

- Why is focus management important

Some quick tests:

- Is focus management intuitive across pages/processes?
- Is focus manage intuitive within components?

Example to review:

- SPA "page" navigation.

Discussion:

- Best place to send focus into and out of modals?
- Best place to send focus when the user attempts to submit a form with errors?
- Best place to send focus when the user has selected a date from a date picker?
- Should you send focus to a confirmation toast popup?