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<https://github.com/tolares/talks>

SCORE FINAL

SIX NATIONS®




England
Rugby

10 | 53



FRANCE
RUGBY



Accessibility: **Why bother?**

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Agenda

1

**Accessibility for
everyone**

2

STARK method

3

Test your apps



**Accessibility
for
everyone**

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Accessibility for everyone

What is Accessibility ? (A 11 Y)

Enabling everyone to use your site

- those with limitations
- those with disabilities
- those with abled bodies

In the US

25% of US Citizens have a disability (2018 estimate)

Accessibility for everyone

What is Accessibility ? (A 11 Y)

Different types of Accessibility needs

- Motor disability
- Cognitive
- Visual
- Auditory

Accessibility for everyone

Which tools can solve this issues ?

- Screen Readers
- Screen magnifiers
- Selection switches
- Head tracker for mouse
- Voice recognition, Close captions for audio

Accessibility Shortcuts

Vision



VoiceOver



Zoom



Invert Colors



Color Filters



Increase Contrast



Reduce Transparency

Accessibility for everyone

EXPECTATION



REALITY



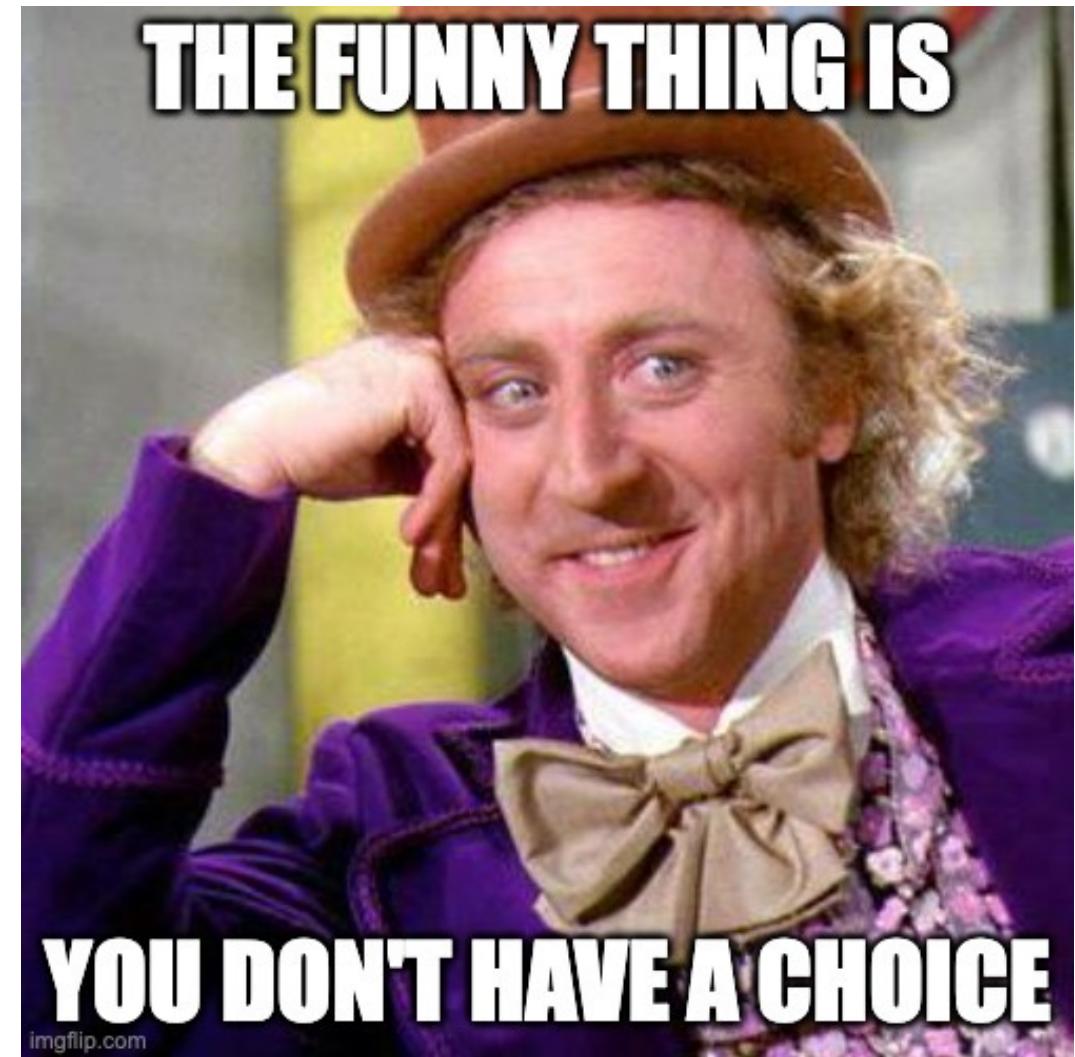
Accessibility for everyone



Accessibility for everyone

In the UK:

- Equality act in 2010
- WCAG 2.1 AA guideline
- Accessibility statement



STARK

Method

STARK Method



STARK Method

Semantic HTML

TabIndex

Aria tags

Role

Keyboard navigation & screen reader

STARK Method

Semantic HTML

TabIndex

Aria tags

Role

Keyboard navigation & screen reader

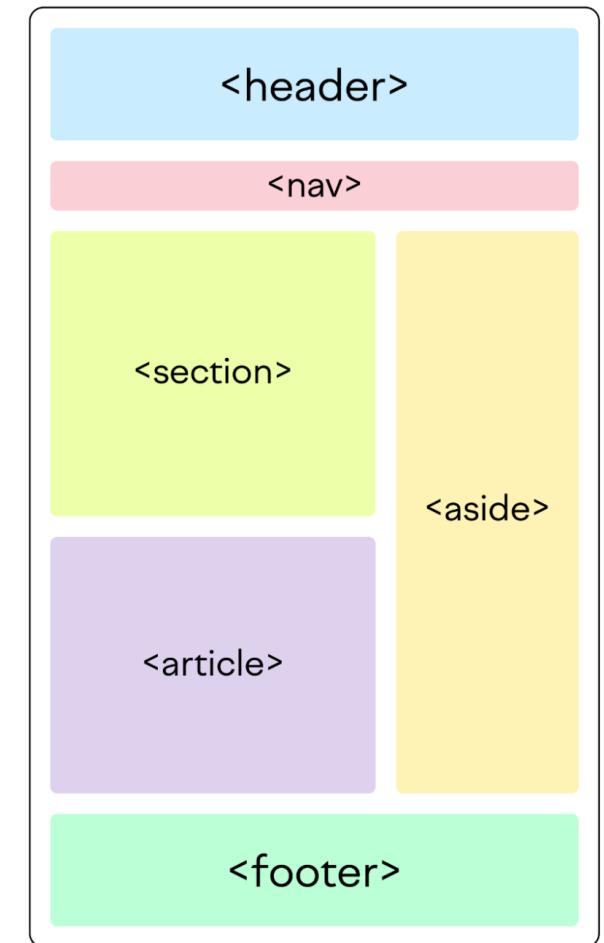
Semantic HTML

STARK Method

Semantic HTML

- Use **buttons** for actions
- Whenever using `<a>`, give href
- Whenever using ``, give alt
- **Don't fake heading levels** with CSS
- Use semantic HTML - nav, header, main

Semantic HTML



STARK Method

Semantic HTML

- **<select>** lets you select with space bar.
- **Button** can be clicked with enter.
- **Button** can be tabbed to.
- **<nav>** can be accessed with arrow keys.

Semantic HTML

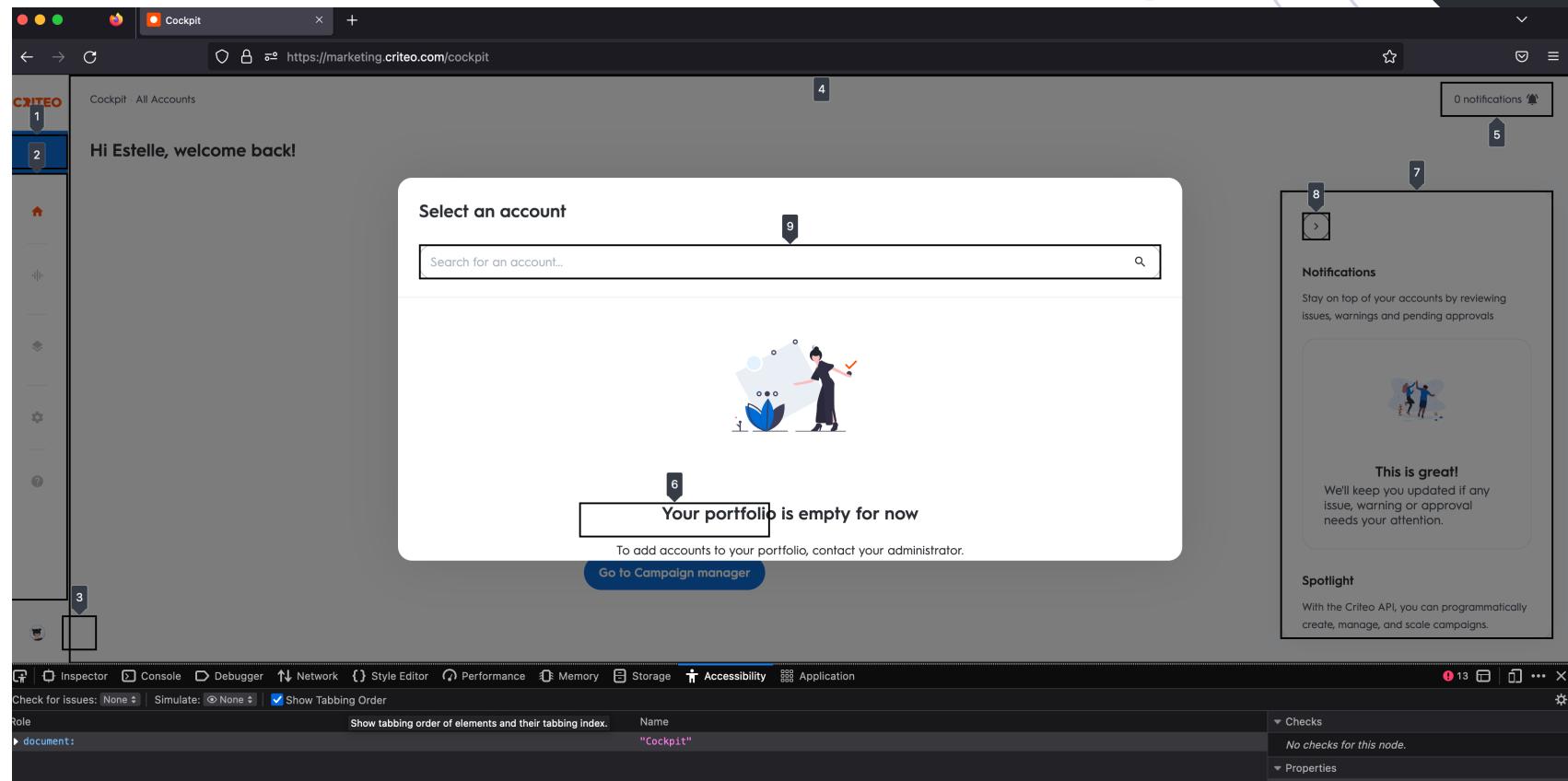
=

FREE Accessibility

Tab Index

STARK Method

Tab Index



Tip:

Use tab index to set tabbing order

Use Firefox to debug tab order

Aria tags

STARK Method

Aria

- Aria-label
- Aria-checked
- Aria-expanded
- Aria-errormessage
- Aria-hidden

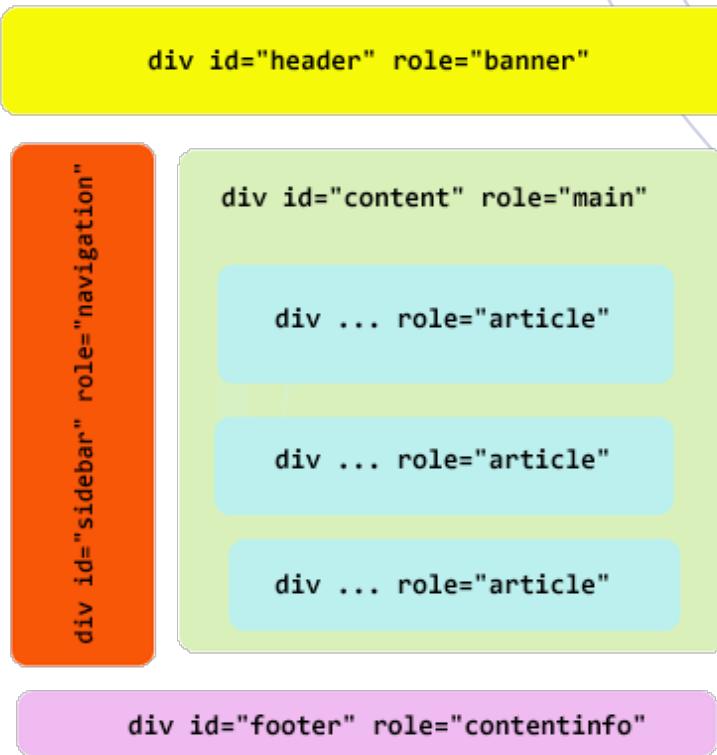


Role

STARK Method

Role

- Alert
- Button
- Checkbox
- Grid
- Row
- MenuItem
- Radio
- Etc



Tip:

The role attribute describes the role of an element in programs that can make use of it, such as screen readers or magnifiers.

STARK Method

Role

```
<a href="#" role="button">Button Link</a>
```

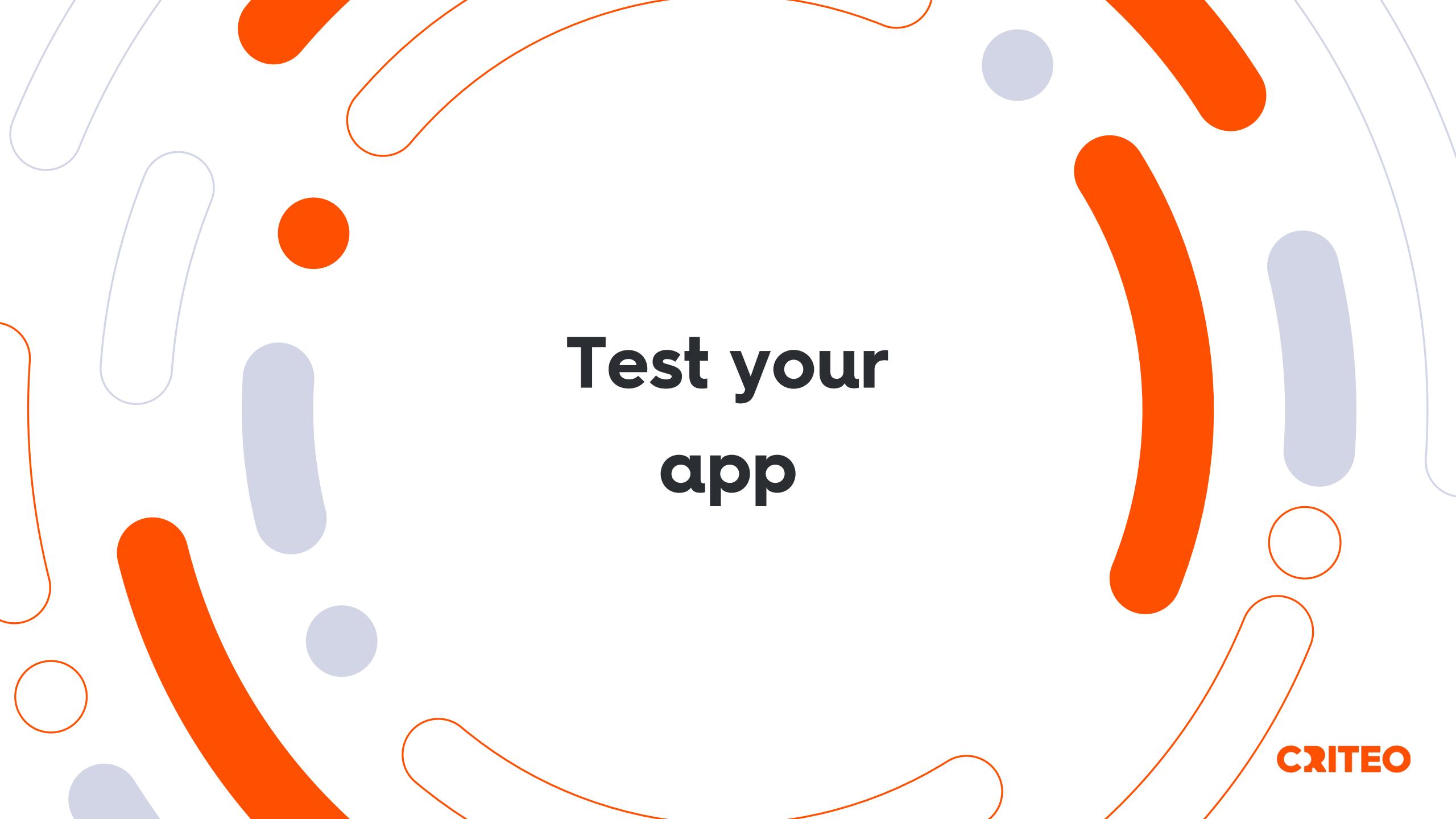
Screen Readers will read this element as “button” instead of “link”.

Keyboard Navigation

STARK Method

Keyboard navigation & Screen reader

- Use only **tab keys, arrows and space bar, esc** to navigate every actionable item on the web page
- Ensure **focus stays visible**
- Test keyboard navigation
- Use **screen reader**



**Test your
app**

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Test your app

- Storybook : UI & CLI
- Manual testing : Accessibility panel
- Cypress : UI & CLI



Conclusion



Questions?



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