
Web Accessibility For Bravoure

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Automated Test

1. Avoid specifying a new window as the target of a link with `target=_blank`.
 2. Don't use CSS animations or transitions in interactions without giving the user a way to turn them off.
 3. Duplicate id - the same ID is used on more than one element.
 4. Each `<a>` element must contain text or an `img` with an `alt` attribute.
 5. Ensure that text and background colors have a 7:1 contrast ratio.
 6. Ensure that text and background colors have enough contrast.
 7. Headings should not be empty.
 8. HTML form control has no accessible name.
 9. `iframe` and `frame` elements must have a `title` attribute.
 10. Link uses general text like 'Click Here' with no surrounding text explaining link purpose.
 11. Several links on a page share the same link text, but go to different destinations.
 12. The CSS outline or border style on this element makes it difficult or impossible to see the dotted link focus outline.
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Easy fixes

```
<form>
  <label for="name">Enter username (upper
  <input type="text" name="name" id="name"
  <button>Submit</button>
</form>
```

```
/* Tone down the animation to avoid
@media (prefers-reduced-motion) {
  .animation {
    animation-name: dissolve;
  }
}
```

```
target="_blank" rel="noopener">
```

```
<button aria-label="Close" onclick="myDialog.close()">X</button>
```

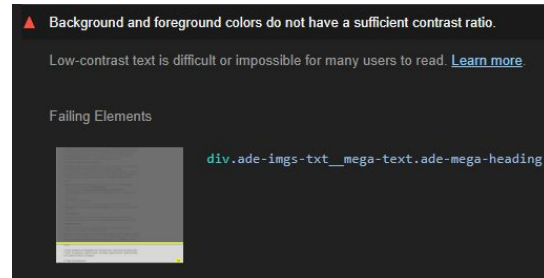
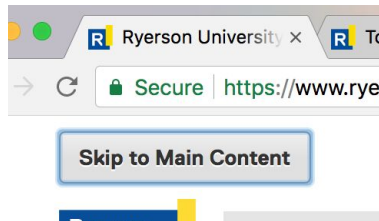
Manual Test (General)

	TEST	ADE	CHANGE	EYE
Keyboard Only Navigation	Do you have a "skip to main content" link at the top of the page, before your navigation? This prevents users from having to go through your entire navigation over and over again just to get to the main content of your page.	No	No	No
	Are your menus/mega-menus navigable? Some menus are not accessible without a mouse.	No	No	Yes
	Are you able to access the different sections of your page with only a keyboard? Don't let your users miss out on valuable content!	No	No	No
	Are links and form fields brought into focus (meaning do you see an outline around links and do you see a cursor in form fields)?	Yes	Yes	No
Test with a Screen Reader	When announcing the link to home typically associated with the logo on the site - are you able to tell where the link directs you from what it is being said? What about other links: does what is read to you give context as to where it will lead?	No	No	No
	If there is more than one menu, are you able to tell which menu you are on and what link you are on within that menu?	No	Yes	No
	For all forms, are you able to tell what information is expected of you when you are asked to input text (i.e. does it speak something like "enter search terms")	No	Yes	Yes
	Is all of the on-page content read to you?	No	No	No
	Does the alternative text of an image give appropriate context as to what the image is about/its value to the overall story?	No	No	Yes
Double Check Your Colors	Either using browser tools or testing screen shots in a program such as Photoshop, grab the foreground and background colors. Enter these into the respective fields on the Color Contrast Checker webpage Look at the font size in question and determine if it is a pass or fail	No	No	No

Manual Test Findings

Keyboard Only Navigation

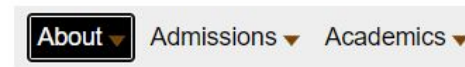
- No Skip to main content button
- Menu(s) not accessible without a mouse
- No way to access different sections with keyboard



Test with a Screen Reader

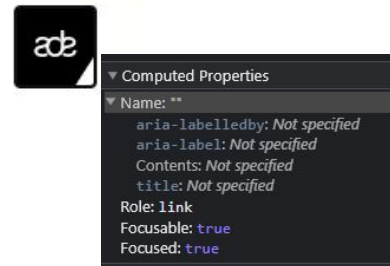
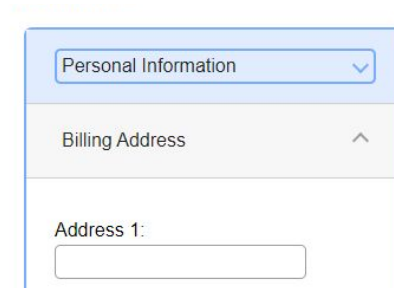
- Link to home (logo) not being announced
- Links give no context
- Not all content is read by screen reader

Example



Double Check Your Colors

- Foreground and Background Contrast ratio



Main Problems

Website navigation

Content readability

Contrast ratio

Manual Test (Most Popular Pages)

ADE	/en/program/
	/en/about/
	/en/news/
	/en/faq-and-contact/
EYE	/nl/whats-on
	/nl/whats-on/alle-films
	/nl/plan-je-bezoek
	/nl/restaurant
CHANGE	/duurzaam-nieuws
	/changemakers/willem-smelik
	/future-leadership/blog-op-naar-glasgow-voor-de-vn-klimaatconferentie-cop26-37276
	/finance/actiam-stapte-voor-zwitserleven-na-jaren-van-investeren-uit-shell-zwitserleven-directeur-hans-visser-legt-uit-waarom-37287

WEBSITE	PAGE	ACCESSIBILITY PROBLEM	RELEVANCE
ADE	/en/program/	(slider) images no ALT	Low
		section region title	Low
	/en/about/	accordion: - no focus state - not machine readable	High
		images no ALT	Low
		image video no description & no focus styling	Low
	/en/news/	images no ALT	Low
	/en/faq-and-contact/	accordion: - no focus state - not machine readable	High
EYE	/nl/whats-on	program list item has 2 links, screen reader reads twice	Medium
		filter navigation appears after scrolling, dropdown not accessible	High
	/nl/whats-on/alle-films	images no ALT	Low
		focus on menu items while menu is not open	Medium
		section region title	Low
	/nl/plan-je-bezoek	section region title	Low
		FAQ accordion	High
		Download PDF link no context	Medium
		newsletter privacy disclaimer checkbox	Low
	/nl/restaurant	section region title	Low
		accordion	High
		tickets widget	High
CHANGE	/duurzaam-nieuws	news card item title	Low
		pagination number + arrows	Low
	/changemakers/willem-smelik	-	
	/future-leadership/blog-op-naar-glasgow-voor-de-vn-klimaatconferentie-cop26-37276	-	
	/finance/actiam-stapte-voor-zwitserleven-na-jaren-van-investeren-uit-shell-zwitserleven-directeur-hans-visser-l-egt-uit-waarom-37287	-	

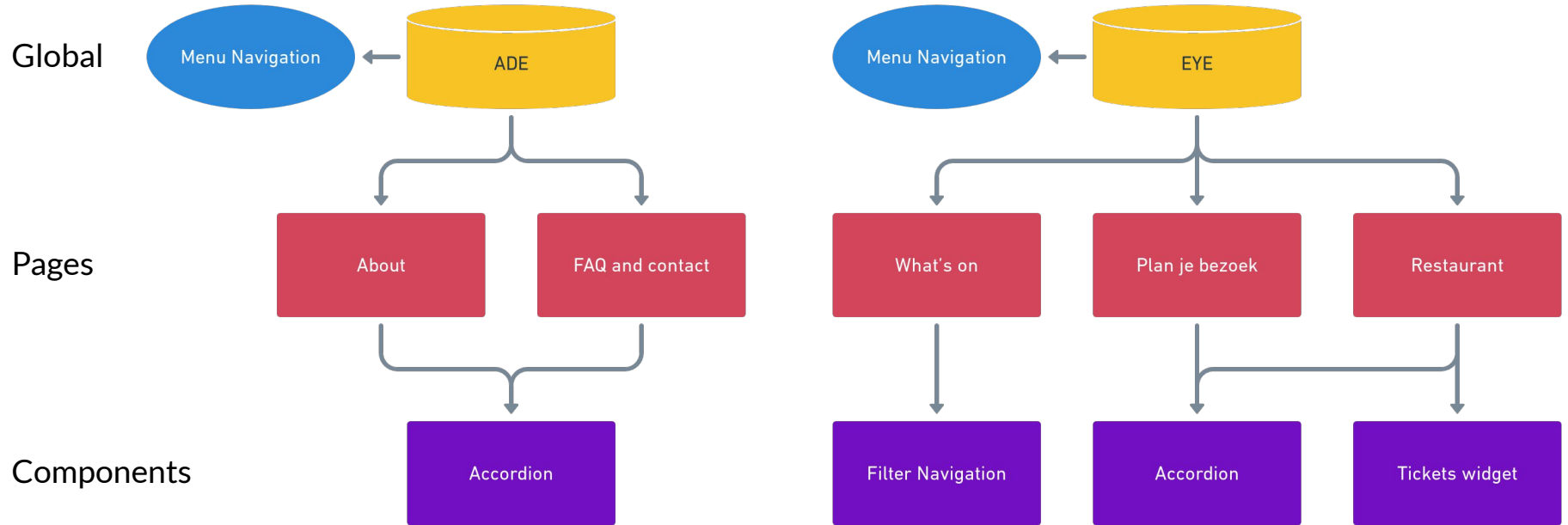
Biggest problems

PROBLEM	RELEVANCE
accordion: <ul style="list-style-type: none">- no focus state- not machine readable	High
filter navigation appears after scrolling, dropdown not accessible	High
tickets widget	High

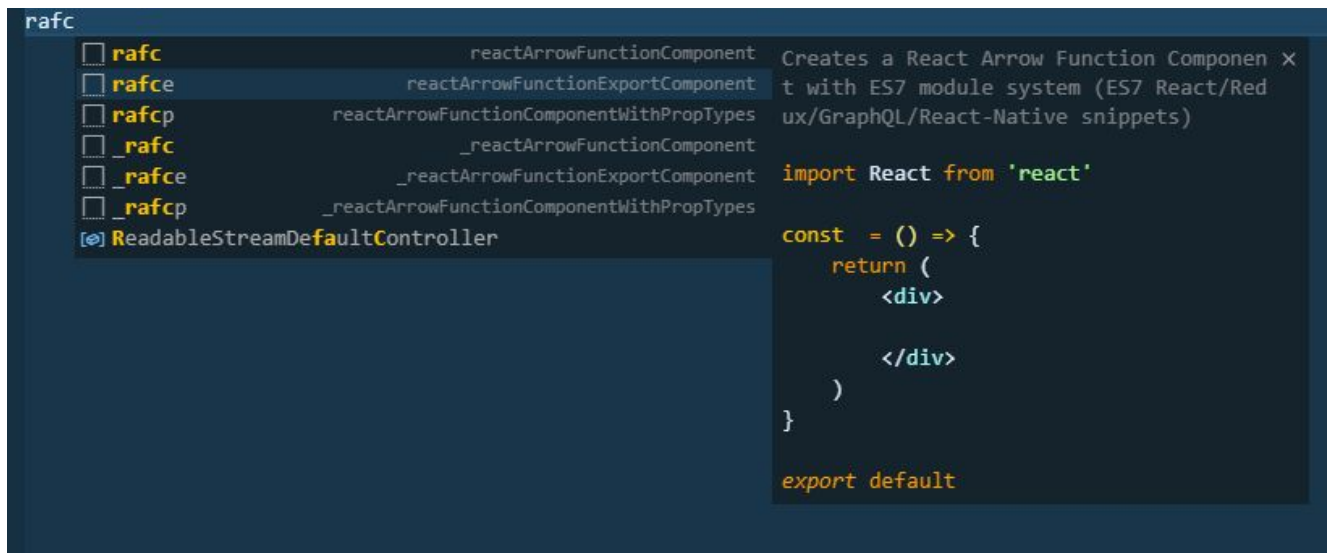
Available Solutions

- Client Targeted Solution
 - VS Code Assistance
 - Other tools
-

Client targeted solution



VS Code Assistance



Other tools

1. [Reach UI](#) (Zero styling react library)
2. [Web Accessibility Extension](#) (linting)
3. [W3C Design Patterns and Widgets](#)

2

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <title>Page Title</title>
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <link rel="stylesheet" type="text/css" media="screen" href="main.css" />
    <script src="main.js"></script>
  </head>
  <body>
    <header class="header">
      <h1 class="hide-from-layout">Page Title</h1>
      <a class="logo" href="/">Page Title</a>
      <input type="checkbox" id="js-burger">
      <label for="js-burger">
        <nav id="js-navigation" class="navigation">
          <h1 class="nocontent hide-from-layout">Navigation</h1>
          <ul class="navigation-group">
            <li class="navigation-item">
```

W3C Working Group

3. Design Patterns and Widgets

- 3.1 Accordion (Sections With Show/Hide Functionality)
- 3.2 Alert
- 3.3 Alert and Message Dialogs
- 3.4 Breadcrumb
- 3.5 Button
- 3.6 Carousel (Slide Show or Image Rotator)
- 3.7 Checkbox
- 3.8 Combo Box
- 3.9 Dialog (Modal)
- 3.10 Disclosure (Show/Hide)
- 3.11 Feed
- 3.12 Grids : Interactive Tabular Data and Layout Containers
- 3.13 Link
- 3.14 Listbox
- 3.15 Menu or Menu bar
- 3.16 Menu Button
- 3.17 Radio Group
- 3.18 Slider
- 3.19 Slider (Multi-Thumb)
- 3.20 Spinbutton
- 3.21 Table
- 3.22 Tabs
- 3.23 Toolbar
- 3.24 Tooltip Widget
- 3.25 Tree View
- 3.26 Treegrid
- 3.27 Window Splitter

3

1

```
function Example() {
  return (
    <Menu>
      <MenuButton>
        Actions <span aria-hidden=""></span>
      </MenuButton>
      <MenuItem onSelect={() => alert("Download")}>Download</MenuItem>
      <MenuItem onSelect={() => alert("Copy")}>Create a Copy</MenuItem>
      <MenuItem onSelect={() => alert("Mark as Draft")}>
        Mark as Draft
      </MenuItem>
      <MenuItem onSelect={() => alert("Delete")}>Delete</MenuItem>
      <MenuItemLink as="a" href="https://reacttraining.com/workshops/">
        Attend a Workshop
      </MenuItemLink>
    </Menu>
  );
}
```

Download
Create a Copy
Mark as Draft
Delete
Attend a Workshop

Actions

PREVIEW