Curriculum

Short Specializations Average: 117.93%

You have a captain's log due before 2023-08-06 (in about 21 hours)! Log it now!

Accessibility

HTMLCSSFront-end

By: David Dias, Senior Software Engineer at HomeX

Weight: 1

Project will start Jul 31, 2023 6:00 AM, must end by Aug 7, 2023 6:00 AM

Checker was released at Aug 2, 2023 12:00 AM

An auto review will be launched at the deadline

Concepts

For this project, we expect you to look at this concept:

A Crash Course on Accessibility

Resources

Read or watch:

Accessibility is not a feature. — Ethan Marcotte

How to Meet WCAG (Quickref Reference

Web Accessibility Guidebook for Developers

Testing with assistive technologies - Service Manual - GOV.UK

A11Y Style Guide

Building Pylon-Free Web Pages: An Intro to Web Accessibility

I Threw Away my Mouse - 24 Accessibility

I Used a Switch Control for a Day - 24 Accessibility

The Myths of Color Contrast Accessibility

IAAP Certification

Accessibility Blog | Deque Systems

Tink - Léonie Watson – On technology, food & life in the digital age

Articles » Simply Accessible

Accessibility Weekly

European label (Web Accessibility): Euracert - Home page

Section508.gov | GSA Government-wide IT Accessibility Program

Learning Objectives

At the end of this project, you are expected to be able to explain to anyone, without the help of Google:

ARIA’s main purpose

WCAG conformance levels (A, AA and AAA)

The importance of Web Accessibility

Tools to use for Web Accessibility

Requirements

Allowed editors: vi, vim, emacs

A README.md at the root of the project directory is mandatory

HTML and CSS have been rendered on Chrome 78 or more.

Quiz questions

Question #0

All of the following are true about skip links except

Must be accessible to keyboard-only users

Must become visible upon receiving focus, if hidden

Must be placed just before the main navigation menu

Must be accessible to screen reader users

Question #1

Accessibility level: no major code error

level AAA

level AA

level A

Question #2

Accessibility level: live video has captions

level AAA

level AA

level A

Question #3

What is the correct language code for Portuguese?

(select all valid answers)

lang=“port”

lang=“portugues”

lang=“portuguese”

lang=“pt-br”

lang=“pt”

Question #4

If a person types “paleo recipes” in a site search, which of the following is the best page title?

Paleo recipes

Search results for “paleo recipes”

Search

Question #5

Identifying the language of an HTML page is important for users of:

Screen magnifiers

Screen readers

Voice recognition software

All of the above

Question #6

Accessibility level: explain any unusual word

level AAA

level AA

level A

Question #7

Where should be the lang attribute

In the html element

In the <body> element

In the <!doctype> element

Question #8

Accessibility level: provide ability to skip content

level AAA

level AA

level A

Question #9

Accessibility level: provide descriptive link text

level AAA

level AA

level A

Please make sure to validate all quiz questions before moving on to project tasks

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[You have a captain's log due before 2023-08-06 (in about 20 hours)! Log it now!](https://intranet.alxswe.com/captain_logs/3713581/edit)

**Accessibility**

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* By: David Dias, Senior Software Engineer at HomeX
* Weight: 1
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**Concepts**

*For this project, we expect you to look at this concept:*

* [A Crash Course on Accessibility](https://intranet.alxswe.com/concepts/549)

**Resources**

**Read or watch**:

* [Accessibility is not a feature. — Ethan Marcotte](https://intranet.alxswe.com/rltoken/BAbrxnpYJ8zELBc6g3Hcsg)
* [How to Meet WCAG (Quickref Reference](https://intranet.alxswe.com/rltoken/zHXl50r6h6CtXPTizdoD6g)
* [Web Accessibility Guidebook for Developers](https://intranet.alxswe.com/rltoken/nMtrdVLVeJMKA0A6lGihVA)
* [Testing with assistive technologies - Service Manual - GOV.UK](https://intranet.alxswe.com/rltoken/rnJCwYgE0kvgk1iQUvC9YQ)
* [A11Y Style Guide](https://intranet.alxswe.com/rltoken/qFUpFID7Oxw38G3ZHFSjPA)
* [Building Pylon-Free Web Pages: An Intro to Web Accessibility](https://intranet.alxswe.com/rltoken/OmQR7UuCJPx5_p4ZX8fWgQ)
* [I Threw Away my Mouse - 24 Accessibility](https://intranet.alxswe.com/rltoken/QNxS6kzbjGKk0DQqdN4Q6A)
* [I Used a Switch Control for a Day - 24 Accessibility](https://intranet.alxswe.com/rltoken/4WS3uYbRtXoSomvRfDcf7w)
* [The Myths of Color Contrast Accessibility](https://intranet.alxswe.com/rltoken/Pi_EASrSDjBI0axYExG6Hw)
* [IAAP Certification](https://intranet.alxswe.com/rltoken/V-eyZ7AZf_6OqZawqGX2Ug)
* [Accessibility Blog | Deque Systems](https://intranet.alxswe.com/rltoken/KbtA1HviUzwSAVwm72ZNPA)
* [Tink - Léonie Watson – On technology, food & life in the digital age](https://intranet.alxswe.com/rltoken/Fm_xE3GU67WDAE6RvGv5ag)
* [Articles » Simply Accessible](https://intranet.alxswe.com/rltoken/CJ-glAh0iQ0QD0wEznP7BQ)
* [Accessibility Weekly](https://intranet.alxswe.com/rltoken/XFrn7M2wCs0LJDx1Zr0K4A)
* [European label (Web Accessibility): Euracert - Home page](https://intranet.alxswe.com/rltoken/NpygpJAwRlbM1Wwh5sOCsQ)
* [Section508.gov | GSA Government-wide IT Accessibility Program](https://intranet.alxswe.com/rltoken/wW72CncGykfWc8-bnjU2JA)

**Learning Objectives**

At the end of this project, you are expected to be able to [explain to anyone](https://intranet.alxswe.com/rltoken/OfOZDTmrmSd1T9ZG0_GbJQ), **without the help of Google**:

* ARIA’s main purpose
* WCAG conformance levels (A, AA and AAA)
* The importance of Web Accessibility
* Tools to use for Web Accessibility

**Requirements**

* Allowed editors: vi, vim, emacs
* A README.md at the root of the project directory is mandatory
* HTML and CSS have been rendered on Chrome 78 or more.

**Quiz questions**

**Great!** You've completed the quiz successfully! Keep going! (Show quiz)

**Tasks**

**0. make the "works" card focus visible**

#advanced

Start with this 00-styles.css file:

Click to expand/hide file contents

You can use it with this 00-index.html file:



[Images archive](https://intranet.alxswe.com/rltoken/yNA3HLUtTuIlPhbfrA5Bvw)

Let’s start by the “Work” section:

We have an issue with the focus (moving from one link to another with the TAB key) in the Desktop version. With the DevTools, you can active the focus on the <a> inside .card-title and nothing happen.

To solve it, we need to update the way we are managing the hover state of .card-title:

* In your keyboard/01-styles.css file, in the /\* Card WORK section
  + Remove opacity: 0 inside .card-work .card-title
  + Remove .card-work:hover .card-inner
  + Remove .card-work:hover .card-title
  + Target the selector .card-work .card-title a and add an opacity to 0.
  + For .card-work .card-title a with the a in state focus and .card-work:hover .card-title a:
    - Property: opacity, Value: 1
    - Property: height, Value: 100%
    - Property: background-color, Value: rgba(0, 0, 0, 0.7)

Now you use the keyboard to navigate, you should see the card with the title and the dark background like when you hover the card with your mouse.

All the other elements have a blue outline around.

**Repo:**

* GitHub repository: alx-frontend-for-fun
* Directory: accessibility
* File: keyboard/01-styles.css, keyboard/01-index.html

**1. add the skip-links**

#advanced

Using the 00-index.html provided in the previous task, in your skip-links/01-index.html file, just after the <body> HTML open tag

* Add the <!-- Skip links --> comment
* Create a new <nav> tag with the aria-label attribute. Put the value Skip links inside it.
  + Create a non ordered list of class off-screen
    - Create a first li with a link inside
      * Href: #a11y-primary-nav
      * Class: skip-link
      * Text: Skip to primary navigation
    - Create a second li with a link inside
      * Href: #a11y-main-content
      * Class: skip-link
      * Text: Skip to main content
* On the <nav class="navbar-menu">, add an id with the text: a11y-primary-nav and a tabindex="-1"
* On the <main> tag, add an id with the text: a11y-main-content, and tabindex="-1"

00-article.html is provided to you below to repeat the same changes in your skip-links/01-article.html file

<!DOCTYPE html>

<html lang="en" dir="ltr">

<head>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1, viewport-fit=cover">

<title>Article - Techium</title>

<meta name="description" content="Description of the page less than 150 characters">

<link rel="icon" type="image/x-icon" href="/favicon.ico">

<link rel="icon" type="image/png" href="/favicon.png">

<link href="https://fonts.googleapis.com/css?family=Open+Sans:400,700|Raleway:700&display=swap" rel="stylesheet">

<link rel="stylesheet" href="00-styles.css">

</head>

<body class="article-page">

<!-- Header -->

<header class="header" data-section-theme="dark">

<div class="container">

<div class="header-container">

<div class="header-logo">

<a href="/">

<img src="../images/logo-white.png" alt="Techium logo" width="160" height="40">

</a>

</div>

<input class="menu-btn" type="checkbox" id="menu-btn" />

<label class="menu-icon" for="menu-btn">

<span class="navicon"></span>

</label>

<nav class="navbar-menu">

<ul class="nav">

<li class="nav-item">

<a href="/" class="nav-link">Home</a>

</li>

<li class="nav-item">

<a href="#services" class="nav-link">Services</a>

</li>

<li class="nav-item">

<a href="#works" class="nav-link">Works</a>

</li>

<li class="nav-item">

<a href="#about" class="nav-link">About</a>

</li>

<li class="nav-item">

<a href="#latest\_news" class="nav-link">Latest news</a>

</li>

<li class="nav-item">

<a href="#testimonials" class="nav-link">Testimonials</a>

</li>

<li class="nav-item">

<a href="#contact" class="nav-link">Contact</a>

</li>

<li class="nav-item">

<form action="#" method="post" class="form-search">

<input type="search" name="q" id="search-input" placeholder="Search..." aria-label="Search through site content">

<button class="search-button">

<svg viewbox="0 0 512 512" xmlns="http://www.w3.org/2000/svg" width="20" height="20" class="search-icon">

<title>

Search icon

</title>

<path d="M508.5 468.9L387.1 347.5c-2.3-2.3-5.3-3.5-8.5-3.5h-13.2c31.5-36.5 50.6-84 50.6-136C416 93.1 322.9 0 208 0S0 93.1 0 208s93.1 208 208 208c52 0 99.5-19.1 136-50.6v13.2c0 3.2 1.3 6.2 3.5 8.5l121.4 121.4c4.7 4.7 12.3 4.7 17 0l22.6-22.6c4.7-4.7 4.7-12.3 0-17zM208 368c-88.4 0-160-71.6-160-160S119.6 48 208 48s160 71.6 160 160-71.6 160-160 160z"/>

</svg>

</button>

</form>

</li>

</ul>

</nav>

</div>

</div>

</header>

<!-- Main -->

<main>

<!-- Hero section -->

<header class="section-hero hero-article" data-section-theme="dark" style="background-image: url('../images/pic-article-02.jpg')">

<div class="container">

<div class="section-body">

<section class="section-inner">

<span class="section-category">Digital Life</span>

<h1 class="section-title">Ut alios omittam, hunc appello, quem ille unum secutus est.</h1>

</section>

</div>

</div>

</header>

<div class="main-article">

<div class="container">

<div class="post">

<article class="post-content">

<p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Tum mihi Piso: Quid ergo? Tum ille: Ain tandem? Non autem hoc: igitur ne illud quidem. Sed quod proximum fuit non vidit. Nos commodius agimus. An nisi populari fama?</p>

<p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed haec omittamus; <b>Hoc Hieronymus summum bonum esse dixit.</b> Duo Reges: constructio interrete.</p>

<h2>Prioris generis est docilitas, memoria</h2>

<ol>

<li>Nec enim, dum metuit, iustus est, et certe, si metuere destiterit, non erit;</li>

<li>Quid enim de amicitia statueris utilitatis causa expetenda vides.</li>

</ol>

<p>Morbi pharetra congue ante ac tincidunt. Donec euismod eu mauris nec laoreet. Praesent id sodales ipsum. Aliquam erat volutpat. Ut porta sem eget libero faucibus, eget convallis nisi finibus. Interdum et malesuada fames ac ante ipsum primis in faucibus. Vestibulum accumsan euismod nunc quis viverra.</p>

<figure>

<img src="../images/the-honest-company-j69c0Q650Hw-unsplash.jpg" alt="Glasses, baby converse shoes, black bag, wipper on a dresser with a open drawer" width="620" height="350">

<figcaption class="img-caption">Pugnant Stoici cum Peripateticis. Prioris generis est docilitas</figcaption>

</figure>

<p>Quare conare, quaeso. Dici enim nihil potest verius. Primum divisit ineleganter; Suam denique cuique naturam esse ad vivendum ducem.</p>

<blockquote cite="https://www.holbertonschool.com/">

<p>Ego autem tibi, Piso, assentior usu hoc venire, ut acrius aliquanto et attentius de claris viris locorum admonitu cogitemus.</p>

</blockquote>

<p>Omnia contraria, quos etiam insanos esse vultis. Tibi hoc incredibile, quod beatissimum.</p>

<h2>Piso igitur hoc modo, vir optimus tuique, ut scis, amantissimus.</h2>

<p><a href="http://loripsum.net/" target="\_blank" rel="noopener">Apparet statim, quae sint officia, quae actiones.</a> Quae in controversiam veniunt, de iis, si placet, disseramus.</p>

<ul>

<li>Tubulum fuisse, qua illum, cuius is condemnatus est rogatione, P.</li>

<li>Quis est autem dignus nomine hominis, qui unum diem totum velit esse in genere isto voluptatis?</li>

<li>Sed in rebus apertissimis nimium longi sumus.</li>

</ul>

<p>Hoc etsi multimodis reprehendi potest, tamen accipio, quod dant. Atqui, inquam, Cato, si istud optinueris, traducas me ad te totum licebit. Nemo nostrum istius generis asotos iucunde putat vivere. Res enim se praeclare habebat, et quidem in utraque parte. Qui autem esse poteris, nisi te amor ipse ceperit? Ita fit cum gravior, tum etiam splendidior oratio. De vacuitate doloris eadem sententia erit. Sin tantum modo ad indicia veteris memoriae cognoscenda, curiosorum.</p>

</article>

<!-- Aside section -->

<aside class="post-aside">

<div class="post-meta">

<ul class="post-meta-list row">

<li class="post-meta-author">

<strong>Written by:</strong>

<a href="#" rel="author">William Attaway</a>

</li>

<li class="post-meta-date">

<strong>Posted on:</strong>

<time datetime="2019-10">October 2019</time>

</li>

<li class="post-meta-tag">

<strong>Tags:</strong>

<ul class="tag-list">

<li>

<a href="#" rel="tag">Web Design</a>

</li>

<li>

<a href="#" rel="tag">UX</a>

</li>

</ul>

</li>

</ul>

</div>

<div class="post-share">

<ul class="social nav">

<li class="social-item nav-item">

<a href="#" class="social-link">

<svg viewbox="0 0 24 24" xmlns="http://www.w3.org/2000/svg" width="25" height="25">

<title>

Facebook icon

</title>

<path d="M23.998 12c0-6.628-5.372-12-11.999-12C5.372 0 0 5.372 0 12c0 5.988 4.388 10.952 10.124 11.852v-8.384H7.078v-3.469h3.046V9.356c0-3.008 1.792-4.669 4.532-4.669 1.313 0 2.686.234 2.686.234v2.953H15.83c-1.49 0-1.955.925-1.955 1.874V12h3.328l-.532 3.469h-2.796v8.384c5.736-.9 10.124-5.864 10.124-11.853z"/>

</svg>

</a>

</li>

<li class="social-item nav-item">

<a href="#" class="social-link">

<svg viewbox="0 0 24 24" xmlns="http://www.w3.org/2000/svg" width="25" height="25">

<title>

Twitter icon

</title>

<path d="M23.954 4.569a10 10 0 0 1-2.825.775 4.958 4.958 0 0 0 2.163-2.723c-.951.555-2.005.959-3.127 1.184a4.92 4.92 0 0 0-8.384 4.482C7.691 8.094 4.066 6.13 1.64 3.161a4.822 4.822 0 0 0-.666 2.475c0 1.71.87 3.213 2.188 4.096a4.904 4.904 0 0 1-2.228-.616v.061a4.923 4.923 0 0 0 3.946 4.827 4.996 4.996 0 0 1-2.212.085 4.937 4.937 0 0 0 4.604 3.417 9.868 9.868 0 0 1-6.102 2.105c-.39 0-.779-.023-1.17-.067a13.995 13.995 0 0 0 7.557 2.209c9.054 0 13.999-7.496 13.999-13.986 0-.209 0-.42-.015-.63a9.936 9.936 0 0 0 2.46-2.548l-.047-.02z"/>

</svg>

</a>

</li>

</ul>

</div>

</aside>

</div>

<!-- Comment section -->

<section class="post-comments">

<header>

<h2 class="section-title">Leave a comment</h2>

<p>All fields are required.</p>

</header>

<form action="#" method="post">

<fieldset>

<legend class="visually-hidden">Your personal information</legend>

<div class="form-group col-1-2">

<label for="your-first-name">First Name</label>

<div class="form-field">

<span class="form-field-container">

<input type="text" name="your-first-name" id="your-first-name" placeholder="e.g. Mike" pattern="[A-Za-zÀ-ž\s]{3,}" maxlength="35" autocomplete accesskey="f" required>

<i class="form-field-icon"></i>

<p class="form-help">First name should be at least 3 characters and only contains letters</p>

</span>

</div>

</div>

<div class="form-group col-1-2">

<label for="your-last-name">Last Name</label>

<div class="form-field">

<span class="form-field-container">

<input type="text" name="your-last-name" id="your-last-name" placeholder="e.g. Smith" pattern="[A-Za-zÀ-ž\s]{3,}" maxlength="40" autocomplete accesskey="l" required>

<i class="form-field-icon"></i>

</span>

<p class="form-help">Last name should be at least 3 characters and only contains letters</p>

</div>

</div>

<div class="form-group col-2-3">

<label for="your-email">Email</label>

<div class="form-field">

<span class="form-field-container">

<input type="email" name="your-email" id="your-email" placeholder="e.g. youremail@gmail.com" pattern="[a-z0-9.\_%+-]+@[a-z0-9.-]+\.[a-z]{2,}$" maxlength="55" autocomplete accesskey="e" required>

<i class="form-field-icon"></i>

</span>

</div>

</div>

</fieldset>

<fieldset>

<legend class="visually-hidden">Your comment</legend>

<div class="form-group col-2-3">

<label for="your-title">Title</label>

<div class="form-field">

<span class="form-field-container">

<input type="text" name="your-title" id="your-title" placeholder="e.g. I loved that article" pattern="[A-Za-zÀ-ž\s]{4,}" maxlength="75" accesskey="t" required>

<i class="form-field-icon"></i>

<p class="form-help">Title should be at least 4 characters and only contains letters</p>

</span>

</div>

</div>

<div class="form-group col-2-3">

<label for="your-comment">Comment</label>

<div class="form-field">

<span class="form-field-container">

<textarea accesskey="c" placeholder="Write your comment here" name="your-comment" id="your-comment" minlength="10" cols="30" rows="6" required></textarea>

</span>

<p class="form-help">Comment should be at least 10 characters</p>

</div>

</div>

<div class="form-group">

<button class="button button-primary">Post my comment</button>

</div>

</fieldset>

</form>

</section>

</div>

</div>

</main>

<!-- Footer -->

<footer class="footer" data-section-theme="dark">

<div class="container">

<div class="row">

<div class="col-1-2">

<img src="../images/logo-white.png" alt="Techium logo" width="160" height="40">

<address class="footer-address">

234 Washington Street<br>

Urbana, Illinois

</address>

</div>

<div class="col-1-2">

<ul class="social nav">

<li class="social-item nav-item">

<a href="https://www.facebook.com/HolbertonSchool/" class="social-link">

<svg viewbox="0 0 24 24" xmlns="http://www.w3.org/2000/svg" width="25" height="25">

<title>

Facebook icon

</title>

<path d="M23.998 12c0-6.628-5.372-12-11.999-12C5.372 0 0 5.372 0 12c0 5.988 4.388 10.952 10.124 11.852v-8.384H7.078v-3.469h3.046V9.356c0-3.008 1.792-4.669 4.532-4.669 1.313 0 2.686.234 2.686.234v2.953H15.83c-1.49 0-1.955.925-1.955 1.874V12h3.328l-.532 3.469h-2.796v8.384c5.736-.9 10.124-5.864 10.124-11.853z"/>

</svg>

</a>

</li>

<li class="social-item nav-item">

<a href="https://twitter.com/holbertonschool" class="social-link">

<svg viewbox="0 0 24 24" xmlns="http://www.w3.org/2000/svg" width="25" height="25">

<title>

Twitter icon

</title>

<path d="M23.954 4.569a10 10 0 0 1-2.825.775 4.958 4.958 0 0 0 2.163-2.723c-.951.555-2.005.959-3.127 1.184a4.92 4.92 0 0 0-8.384 4.482C7.691 8.094 4.066 6.13 1.64 3.161a4.822 4.822 0 0 0-.666 2.475c0 1.71.87 3.213 2.188 4.096a4.904 4.904 0 0 1-2.228-.616v.061a4.923 4.923 0 0 0 3.946 4.827 4.996 4.996 0 0 1-2.212.085 4.937 4.937 0 0 0 4.604 3.417 9.868 9.868 0 0 1-6.102 2.105c-.39 0-.779-.023-1.17-.067a13.995 13.995 0 0 0 7.557 2.209c9.054 0 13.999-7.496 13.999-13.986 0-.209 0-.42-.015-.63a9.936 9.936 0 0 0 2.46-2.548l-.047-.02z"/>

</svg>

</a>

</li>

<li class="social-item nav-item">

<a href="https://www.instagram.com/holbertonschool/" class="social-link">

<svg viewbox="0 0 24 24" xmlns="http://www.w3.org/2000/svg" width="25" height="25">

<title>

Instagram icon

</title>

<path d="M12 0C8.74 0 8.333.015 7.053.072 5.775.132 4.905.333 4.14.63c-.789.306-1.459.717-2.126 1.384S.935 3.35.63 4.14C.333 4.905.131 5.775.072 7.053.012 8.333 0 8.74 0 12s.015 3.667.072 4.947c.06 1.277.261 2.148.558 2.913a5.885 5.885 0 0 0 1.384 2.126A5.868 5.868 0 0 0 4.14 23.37c.766.296 1.636.499 2.913.558C8.333 23.988 8.74 24 12 24s3.667-.015 4.947-.072c1.277-.06 2.148-.262 2.913-.558a5.898 5.898 0 0 0 2.126-1.384 5.86 5.86 0 0 0 1.384-2.126c.296-.765.499-1.636.558-2.913.06-1.28.072-1.687.072-4.947s-.015-3.667-.072-4.947c-.06-1.277-.262-2.149-.558-2.913a5.89 5.89 0 0 0-1.384-2.126A5.847 5.847 0 0 0 19.86.63c-.765-.297-1.636-.499-2.913-.558C15.667.012 15.26 0 12 0zm0 2.16c3.203 0 3.585.016 4.85.071 1.17.055 1.805.249 2.227.415.562.217.96.477 1.382.896.419.42.679.819.896 1.381.164.422.36 1.057.413 2.227.057 1.266.07 1.646.07 4.85s-.015 3.585-.074 4.85c-.061 1.17-.256 1.805-.421 2.227a3.81 3.81 0 0 1-.899 1.382 3.744 3.744 0 0 1-1.38.896c-.42.164-1.065.36-2.235.413-1.274.057-1.649.07-4.859.07-3.211 0-3.586-.015-4.859-.074-1.171-.061-1.816-.256-2.236-.421a3.716 3.716 0 0 1-1.379-.899 3.644 3.644 0 0 1-.9-1.38c-.165-.42-.359-1.065-.42-2.235-.045-1.26-.061-1.649-.061-4.844 0-3.196.016-3.586.061-4.861.061-1.17.255-1.814.42-2.234.21-.57.479-.96.9-1.381.419-.419.81-.689 1.379-.898.42-.166 1.051-.361 2.221-.421 1.275-.045 1.65-.06 4.859-.06l.045.03zm0 3.678a6.162 6.162 0 1 0 0 12.324 6.162 6.162 0 1 0 0-12.324zM12 16c-2.21 0-4-1.79-4-4s1.79-4 4-4 4 1.79 4 4-1.79 4-4 4zm7.846-10.405a1.441 1.441 0 0 1-2.88 0 1.44 1.44 0 0 1 2.88 0z"/>

</svg>

</a>

</li>

</ul>

</div>

</div>

<hr>

<div class="row">

<div class="col-1-2">

<p class="footer-copyright">© 2020 Techium, made with ♥ by students at Holberton School.</p>

</div>

<div class="col-1-2">

<ul class="footer-nav nav">

<li class="footer-nav-item nav-item">

<a href="#" class="footer-nav-link">Terms of use</a>

</li>

<li class="footer-nav-item nav-item">

<a href="#" class="footer-nav-link">Privacy Policy</a>

</li>

<li class="footer-nav-item nav-item">

<a href="#" class="footer-nav-link">Cookie Policy</a>

</li>

</ul>

</div>

</div>

</div>

</footer>

</body>

</html>

The name of the ID can be anything but prefixing with a11y can help us to remember why we are using an ID. (I recommend reading [this article](https://intranet.alxswe.com/rltoken/7j6QOaKn_m1Duwg3xV2czA) about CSS namespacing by Harry Roberts)

Using the stylesheet from the previous task, in your skip-links/01-styles.css file, in the /\* Helpers section, after the visually-hidden selector

* Target the off-screen class
  + Property: left, Value: -100vw
  + Property: position, Value: absolute
* Target the skip-link class
  + Property: background, Value: link to the color-black variable
  + Property: color, Value: link to the color-white variable
  + Property: left, Value: 0
  + Property: padding, Value: .7rem
  + Property: position, Value: fixed
  + Property: opacity, Value: 0
  + Property: top, Value: 0
  + Property: z-index, Value: 10
  + Property: transform, Value: translateY(-1rem)
  + Property: transition, Value: transform .2s ease-in-out, opacity .2s ease-in-out
* Target the focus state of skip-link class
  + Property: opacity, Value: 1
  + Property: transform, Value: translateY(0)

**Repo:**

* GitHub repository: alx-frontend-for-fun
* Directory: accessibility
* File: skip-links/01-index.html, skip-links/01-article.html, skip-links/01-styles.css

**2. Elements must have sufficient color contrast**

#advanced

You are given this fix-a11y/00-index.html starter file:



As you can see, the contrast is not good. The easy fix is simply to remove the body styles in the embed <style>. Do this in your fix-a11y/01-index.html file. In a real case, you could use the [Contrast Ratio](https://intranet.alxswe.com/rltoken/cCnQTVzERgyPmV9XELs1yA) section of the Color Picker.

Check with Axe to ensure the issue is fixed.

**Rendering the page should display something like this**

**Repo:**

* GitHub repository: alx-frontend-for-fun
* Directory: accessibility
* File: fix-a11y/01-index.html

**3. Documents must have <title> element to aid in navigation**

#advanced

Taking your code from the previous task, in your fix-a11y/02-index.html file

Add a title: Homepage - A fake website

Check with Axe to ensure the issue is fixed

**Repo:**

* GitHub repository: alx-frontend-for-fun
* Directory: accessibility
* File: fix-a11y/02-index.html

**4. <html> element must have a lang attribute**

#advanced

Taking your code from the previous task, in your fix-a11y/03-index.html file

On the html tag, add the attribute lang with the en value.

Check with Axe to ensure the issue is fixed.

**Repo:**

* GitHub repository: alx-frontend-for-fun
* Directory: accessibility
* File: fix-a11y/03-index.html

**5. Images must have alternate text**

#advanced

Taking your code from the previous task, in your fix-a11y/04-index.html file

* Locate the img that points to the logo.png
  + Add an alt attribute with the text Name of the logo
* Locate the img that points to the hero-img.png
  + Add an empty alt (decorative image)

**Repo:**

* GitHub repository: alx-frontend-for-fun
* Directory: accessibility
* File: fix-a11y/04-index.html

**6. Form elements must have labels**

#advanced

Taking your code from the previous task, in your fix-a11y/05-index.html file, locate the form

* Add a label just before the input
  + Class: visually-hidden
  + For: email
* On the input
  + Add an id: email

Axe tells use that the issue is solved. But actually, some elements should be fixed for better accessibility and usability.

* We can change the type from text to email
* Add the attribute autocomplete with the value email
* Add the required attribute and the aria-required="true"
* Change the a to be a button
* We can remove the placeholder as it doesn’t add any value

We don’t have any error handling in our example, that should exist on the front-end / back-end side.

**Repo:**

* GitHub repository: alx-frontend-for-fun
* Directory: accessibility
* File: fix-a11y/05-index.html

**7. Links must have discernible text**

#advanced

In your fix-a11y/06-index.html file

* Locate thefacebook-icon and add an aria-label on the a with the text Facebook
* Locate the twitter-icon and add an aria-label on the a with the text Twitter

Links should never be empty, in our case, we are using a font (like [Font Awesome](https://intranet.alxswe.com/rltoken/_Khe7Mp45Ga_QR8277W3Xw)) to generate icons.

**Repo:**

* GitHub repository: alx-frontend-for-fun
* Directory: accessibility
* File: fix-a11y/06-index.html

**8. Zooming and scaling must not be disabled**

#advanced

In your fix-a11y/07-index.html file

Locate the meta viewport and remove user-scalable=no

**Repo:**

* GitHub repository: alx-frontend-for-fun
* Directory: accessibility
* File: fix-a11y/07-index.html

**9. Heading levels should only increase by one and all page content must be contained by landmarks**

#advanced

You can install the [headingsMap](https://intranet.alxswe.com/rltoken/VmaqrpwCStrfM0EWX_FPQg) extension to have a visual representation of your headings.

Taking your code from the previous task, in your fix-a11y/08-index.html file

* Like our Techium project, we are going to create an h1 just after the <div class="header"> closing tag. (The h1 will be sibling to the <div class="header"> div)
  + Text: Homepage
* Change <h6>This is me</h6> to be <h2>This is me</h2>
* Change <h1>Philip Gilbert</h1> to be <span>Philip Gilbert</span>
* Change <h6>About Me</h6> to be <h2>About Me</h2>
* Change <h1>Personal Details</h1> to be <span>Personal Details</span>
* Change <h1>My Offered Services</h1> to be <h2>My Offered Services</h2>
* Change <h4>Web Design</h4> to be <h3>Web Design</h3>
* Change <h4>Web Development</h4> to be <h3>Web Development</h3>
* Change <h1 class="counter">2536</h1> to be <span class="counter">2536</span>
* Change <h1 class="counter">6784</h1> to be <span class="counter">6784</span>
* Change <h1>Client's Feedback About Me</h1> to be <h2>Client's Feedback About Me</h2>
* Change <h4>Harriet Maxwell</h4> to be <span>Harriet Maxwell</span>
* Change <h1>Choose Your Plan</h1> to be <h2>Choose Your Plan</h2>
* Change <h1>01</h1> to be <h3>01</h3>
* Change <h1>$199.00</h1> to be <span>$199.00</span>
* Change <h4>About Me</h4> to be <span>About Me</span>
* Change <h4>Newsletter</h4> to be <span>Newsletter</span>
* Change <h4>Follow Me</h4> to be <span>Follow Me</span>

Fixing wrong headings is not an easy task. Headings represent the outline of your content. Like the table of contents in a book, headings should help to understand what is inside your page.

Always ask yourself if that word or sentence would make sense for anybody visiting your website.

**Repo:**

* GitHub repository: alx-frontend-for-fun
* Directory: accessibility
* File: fix-a11y/08-index.html

**10. Document must have one main landmark**

#advanced

You can install the [Landmarks](https://intranet.alxswe.com/rltoken/TCgqxvTteJlU9BomlUFakA) extension to visually locate the landmarks on your pages.

Taking your code from the previous task, in your fix-a11y/09-index.html file

* Locate the header class and convert that <div> into a <header> tag (only change the tag, no need to change or remove other attributes in the tag)
* Convert the <div class='nav'> into a <nav> element (only change the tag, no need to change or remove other attributes in the tag)
* Wrap everything from the <h1>Homepage</h1> to before the <div class="footer"> in a <main> tag.
* Locate the footer class and transform the div to a <footer> (only change the tag, no need to change or remove other attributes in the tag)
* Locate all divs with the section class, and update divs to be <section> (only change the tag, no need to change or remove other attributes in the tag). Except the one with the Projects Completed text. Sections should have headings, we don’t have one anymore.

If you open the landmarks extension, you should see the landmarks showing.

Tip

Remember that header, section, footer etc contain a default role (=landmarks).

All automated issues are now solved! You fixed around 50% of accessibility issues. The rest are manual issues, tested using screen-reading tools or just reading the code.

**Repo:**

* GitHub repository: alx-frontend-for-fun
* Directory: accessibility
* File: fix-a11y/09-index.html

**11. More than 2 elements become list**

#advanced

Automated tools can’t always alert about elements that should exist as a list.

Taking your code from the previous task, in your fix-a11y/10-index.html file

* Locate the nav
  + Transform the <div> in a <ul> and every <p> in an li
* Locate the div with package-list class
  + Transform the children in an ul with the 3 spans being each an li

**Repo:**

* GitHub repository: alx-frontend-for-fun
* Directory: accessibility
* File: fix-a11y/10-index.html

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