Curriculum

**Short Specializations**Average: 76.14%

0x02. Advanced CSS

**CSSFront-end**

* By: David Dias, Senior Software Engineer at HomeX
* Weight: 1
* Project over - took place from Oct 12, 2023 6:00 AM to Oct 18, 2023 6:00 AM
* An auto review will be launched at the deadline

Concepts

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

* [CSS fundamentals](https://intranet.alxswe.com/concepts/544)
* [CSS advanced](https://intranet.alxswe.com/concepts/545)



Resources

**Read or watch**

* [CSS Reference - A free visual guide to CSS](https://intranet.alxswe.com/rltoken/MeWjjFdnI4juKMuswMHCDw)
* [Can I use,,, Support tables for HTML5, CSS3, etc](https://intranet.alxswe.com/rltoken/aacSCBKtMfaYb2ut8ADIIw)
* [CSS Reference](https://intranet.alxswe.com/rltoken/IHj5JLS3egRBhskQB5H18w)
* [CSS Properties | HTML Dog](https://intranet.alxswe.com/rltoken/86gOgI3QURbl3jboMjvdBA)
* [Box Sizing](https://intranet.alxswe.com/rltoken/C9A8kyK5eYXel9cNEgOutw)
* [CSS Selectors weight](https://intranet.alxswe.com/rltoken/cJCkolmCPaQS_DOm6ttAuw)
* [CSS specificity calculator](https://intranet.alxswe.com/rltoken/sbxh4s-Q7e6A10dvGIlwpg)
* [Play with CSS selector](https://intranet.alxswe.com/rltoken/1Ui1GLYaGceqw9_9LFw-SQ)

Learning Objectives

At the end of this project, you are expected to be able to [explain to anyone](https://intranet.alxswe.com/rltoken/XPgtAgqhKOMxL8keMkGg9Q), **without the help of Google**:

* Selectors, properties, and values
* The difference between block and inline styling
* How to ensure consistency across all browers (CSS reset)
* How to setup CSS variables
* The differences between inline, embeded and external CSS
* How grid systems work (with floats)
* The difference between icons webfonts and SVG icons
* The difference between pseudo-classes and pseudo-elements
* How to make background gradients
* How to animate elements in CSS
* How to transform (2d, 3d) elements
* What vendor prefixes are

Requirements

General

* Allowed editors: vi, vim, emacs, VSCode, Atom
* All your files will be interpreted on Chrome (version 78.x)
* All your files should end with a new line
* All your files should start by a comment describing the task
* A README.md file, at the root of the folder of the project, is mandatory
* Your code should be W3C compliant and validate with [W3C-Validator](https://intranet.alxswe.com/rltoken/X59AxQ6wqKqiJk9i8eIjeQ)

Files you need for the project

favicon.jpg



[download favicon.jpg](https://s3.amazonaws.com/alx-intranet.hbtn.io/uploads/medias/2019/10/2ba3a0d7878316de5aaa.jpg?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20240210%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20240210T113026Z&X-Amz-Expires=345600&X-Amz-SignedHeaders=host&X-Amz-Signature=c1a9b7067a5710137c1ad2821b0ed8d4c5101dd2828d17db134396f9e2577f12)

logo-black.png



[download logo-black.png](https://s3.amazonaws.com/alx-intranet.hbtn.io/uploads/medias/2019/10/06f32e89f2a82582234e.png?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20240210%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20240210T113026Z&X-Amz-Expires=345600&X-Amz-SignedHeaders=host&X-Amz-Signature=39a352b33ba2689694204a060eff2ec48d7e1a4a34d442be2934b9cbbbee36c9)

logo-white.png



[download logo-white.png](https://s3.amazonaws.com/alx-intranet.hbtn.io/uploads/medias/2019/10/0fa48a04048a2d050cab.png?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20240210%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20240210T113026Z&X-Amz-Expires=345600&X-Amz-SignedHeaders=host&X-Amz-Signature=cca715b78d09b9b9c81ebff6363ee7b9e216125988265218da1ee7c2c94d9d88)

Store all these under a directory named “images”

Use the following starter HTML file for your project.

<!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>Homepage - Techium</title>

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

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

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

<link rel='stylesheet' href='#'>

</head>

<body>

<!-- Header -->

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

<div class="container">

<div class="header-logo">

<a href="#">

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

</a>

</div>

<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>

</ul>

</nav>

</div>

</header>

<!-- Main -->

<main>

<h1 class="visually-hidden">Homepage</h1>

<!-- Hero section -->

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

<div class="container">

<div class="section-body">

<section class="section-inner">

<h2 class="section-title">We help you build your brand</h2>

<a href="#" class="button">Get Started</a>

</section>

</div>

</div>

</section>

<!-- Services section -->

<section id="services" class="section">

<div class="container">

<header class="section-header">

<h2 class="section-title">Services</h2>

<p class="section-tagline">We work with you</p>

</header>

<div class="section-body">

<ul class="row">

<li class="col-1-3">

<div class="card-services">

<h3 class="card-title"><a href="#">Design & Concept</a></h3>

</div>

</li>

<li class="col-1-3">

<div class="card-services">

<h3 class="card-title"><a href="#">Digital Strategy</a></h3>

</div>

</li>

<li class="col-1-3">

<div class="card-services">

<h3 class="card-title"><a href="#">Content Strategy</a></h3>

</div>

</li>

</ul>

<ul class="row">

<li class="col-1-3">

<div class="card-services">

<h3 class="card-title"><a href="#">UX Design</a></h3>

</div>

</li>

<li class="col-1-3">

<div class="card-services">

<h3 class="card-title"><a href="#">Web Development</a></h3>

</div>

</li>

<li class="col-1-3">

<div class="card-services">

<h3 class="card-title"><a href="#">Social Media</a></h3>

</div>

</li>

</ul>

</div>

</div>

</section>

<!-- Works section -->

<section id="works" class="section" data-section-theme="dark">

<div class="container">

<header class="section-header">

<h2 class="section-title">Works</h2>

<p class="section-tagline">Take a look at our portfolio</p>

</header>

<div class="section-body">

<ul class="row">

<li class="col-1-3">

<article class="card-work">

<div class="card-outer">

<div class="card-image">

<img src="images/pic-work-01.jpg" alt="">

</div>

<div class="card-inner">

<h3 class="card-title"><a href="#">Interior Design</a></h3>

</div>

</div>

</article>

</li>

<li class="col-1-3">

<article class="card-work">

<div class="card-outer">

<div class="card-image">

<img src="images/pic-work-02.jpg" alt="">

</div>

<div class="card-inner">

<h3 class="card-title"><a href="#">Web Development</a></h3>

</div>

</div>

</article>

</li>

<li class="col-1-3">

<article class="card-work">

<div class="card-outer">

<div class="card-image">

<img src="images/pic-work-03.jpg" alt="">

</div>

<div class="card-inner">

<h3 class="card-title"><a href="#">Personal Development</a></h3>

</div>

</div>

</article>

</li>

</ul>

</div>

</div>

</section>

<!-- About Us section -->

<section id="about" class="section">

<div class="container">

<header class="section-header">

<h2 class="section-title">About Us</h2>

<p class="section-tagline">Everything about us</p>

</header>

<div class="section-body">

<div class="row">

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

<img src="images/pic-about-01.jpg" alt="" width="460" height="460">

</div>

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

<h3>Who are we</h3>

<p>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Ipsum, omnis expedita! Eum, praesentium cumque accusantium rem, sit quaerat est nisi ratione, deserunt ducimus quidem iste dicta quibusdam atque maxime cum!</p>

<h3>Our culture</h3>

<p>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Ipsum, omnis expedita! Eum, praesentium cumque accusantium rem, sit quaerat est nisi ratione, deserunt ducimus quidem iste dicta quibusdam atque maxime cum!</p>

<h3>How we work</h3>

<p>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Ipsum, omnis expedita! Eum, praesentium cumque accusantium rem, sit quaerat est nisi ratione, deserunt ducimus quidem iste dicta quibusdam atque maxime cum!</p>

</div>

</div>

</div>

<div class="section-footer">

<a href="#" class="button">Learn more about us</a>

</div>

</div>

</section>

<!-- Latest news section -->

<section id="latest\_news" class="section">

<div class="container">

<header class="section-header">

<h2 class="section-title">Latest News</h2>

</header>

<div class="section-body">

<ul class="row">

<li class="col-1-3">

<article class="card-blog">

<div>

<img src="images/pic-article-01.jpg" alt="" width="305" height="305">

</div>

<p class="card-category">Career</p>

<h3><a href="#">Hoc loco tenere se Triarius non potuit.</a></h3>

<p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Id Sextilius factum negabat. Quo tandem modo? At eum nihili facit; Quae contraria sunt his, malane?</p>

<small>By Kelly D.</small>

</article>

</li>

<li class="col-1-3">

<article class="card-blog">

<div>

<img src="images/pic-article-02.jpg" alt="" width="305" height="305">

</div>

<p class="card-category">Digital Life</p>

<h3><a href="#">Ut alios omittam, hunc appello, quem ille unum secutus est.</a></h3>

<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>

<small>By William A.</small>

</article>

</li>

<li class="col-1-3">

<article class="card-blog">

<div>

<img src="images/pic-article-03.jpg" alt="" width="305" height="305">

</div>

<p class="card-category">Social</p>

<h3><a href="#">Bestiarum vero nullum iudicium puto.</a></h3>

<p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Non igitur bene. Quid enim est a Chrysippo praetermissum in Stoicis? Pugnant Stoici cum Peripateticis. Prioris generis est docilitas, memoria; Apparet statim, quae sint officia, quae actiones.</p>

<small>By Frances J.</small>

</article>

</li>

</ul>

</div>

</div>

</section>

<!-- Testimonials section -->

<section id="testimonials" class="section">

<div class="container">

<header class="section-header">

<h2 class="section-title">Testimonials</h2>

<p class="section-tagline">We are more than a digital company</p>

</header>

<div class="section-body">

<ul class="row">

<li class="col-1-3">

<article class="card-testimonial">

<img src="images/pic-person-01.jpg" alt="Yuri Y. avatar" width="100" height="100" class="card-avatar">

<blockquote class="card-quote">

<p>I am completely blown away. Thanks to Techium, we've just launched our 5th website!

<cite>Yuri Y.</cite>

</p>

</blockquote>

</article>

</li>

<li class="col-1-3">

<article class="card-testimonial">

<img src="images/pic-person-02.jpg" alt="Dorrie S. avatar" width="100" height="100" class="card-avatar">

<blockquote class="card-quote">

<p>Thank you so much for your help. Techium company is awesome!

<cite>Dorrie S.</cite>

</p>

</blockquote>

</article>

</li>

<li class="col-1-3">

<article class="card-testimonial">

<img src="images/pic-person-03.jpg" alt="Sven H. avatar" width="100" height="100" class="card-avatar">

<blockquote class="card-quote">

<p>I love your system. Definitely worth the investment. I'd be lost without Techium company.

<cite>Sven H.</cite>

</p>

</blockquote>

</article>

</li>

</ul>

</div>

</div>

</section>

<!-- Contact section -->

<section id="contact" class="section">

<div class="container">

<header class="section-header">

<h2 class="section-title">Contact</h2>

<p class="section-tagline">We'd love to hear from you!</p>

</header>

<div class="section-body">

<p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Id Sextilius factum negabat. Quo tandem modo? At eum nihili facit; Quae contraria sunt his, malane?</p>

</div>

<div class="section-footer">

<a href="#" class="button">Get in touch</a>

</div>

</div>

</section>

</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">

972 Mission St<br>

San Francisco, CA<br>

94103

</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>

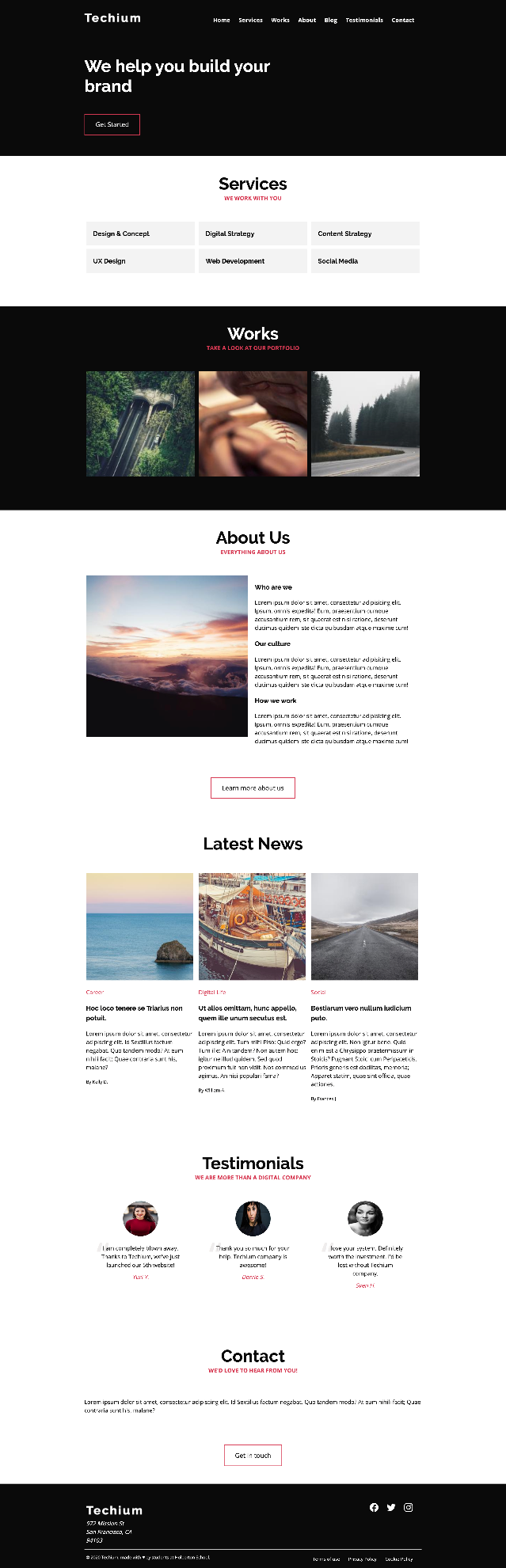
</footer>

</body>

</html>

You can save it in a index.html file and replace the <link rel='stylesheet' href='#'> by the right CSS file.

End goal of the project



Important note: **details are important!** lowercase vs uppercase / wrong letter… be careful!

Quiz questions

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

Tasks

0. Let's get some images!

**mandatory**

The description of the project contains some inspiration for the final look of the project but we’ll have to download some images.

Head to [unsplash](https://intranet.alxswe.com/rltoken/y8wSliDcaTGjbOCAc0co7g" \o "unsplash" \t "_blank) and download 10 high resolution images that look as close to the final product that you’re going to make. You will be using these same high res images for a project on Responsive Design in the future. Remember to also include the 3 images (the 2 logos and the favicon) linked in the description of the project.

The images should all be representative of category they belong to. Images in the work category should be closely related to work.

**Repo:**

* GitHub repository: alx-frontend
* Directory: 0x02-CSS\_advanced
* File: images/pic-about-01.jpg, images/pic-work-01.jpg, images/pic-work-02.jpg, images/pic-work-03.jpg, images/pic-article-01.jpg, images/pic-article-02.jpg, images/pic-article-03.jpg, images/pic-person-01.jpg, images/pic-person-02.jpg, images/pic-person-03.jpg

 Done? Help Check your code

1. Effortless transitions when scrolling

**mandatory**

When scrolling is triggered on the html element itself, we’d like the behavior of the scroll to be as fluid as possible.

**Repo:**

* GitHub repository: alx-frontend
* Directory: 0x02-CSS\_advanced
* File: styles/1-style.css

 Done? Help Check your code

2. Do you know your color values?

**mandatory**

Based on styles/1-style.css, create the following declarations:

* For the body, set the foreground color value to #161616
* For all anchor elements, set the foreground color value to #161616
* All elements with the class visually-hidden should have their display to none
* All elements with the class card-category, should have their foreground color set to #D73953
* All elements with the class section-tagline should have their foreground color set to #D73953

**Repo:**

* GitHub repository: alx-frontend
* Directory: 0x02-CSS\_advanced
* File: styles/2-style.css

 Done? Help Check your code

3. Reuse and repeat. A programmer's life should be simple with variables

**mandatory**

Based on styles/2-style.css:

* Target the root element and define the following custom properties:
  + color-primary set to #d73953
  + color-black set to #090909
  + color-white set to #ffffff
  + color-light-grey set to #f3f3f3
  + color-dark-grey set to #353535
  + text-color set to color-black
* Revisit the section-tagline and card-category declarations and reset their color to color-primary
* Revisit the body and anchor declarations and reset their color to text-color

**Does not have to pass w3c**

**Repo:**

* GitHub repository: alx-frontend
* Directory: 0x02-CSS\_advanced
* File: styles/3-style.css

 Done? Help Check your code

4. Variables for storing certain font types

**mandatory**

Based on styles/3-style.css:

* Targeting the root element, create 2 custom font-family properties font-family-base and font-family-title with the same list of fonts:
  + set the first choice font as Helvetica Neue
  + set the second choice font as Helvetica
  + set the third choice font as Arial
  + set the last choice font as sans-serif
* Set body‘s font-family to font-family-base
* Create a new declaration targeting all 6 levels of section headings, positioned before the links declaration
  + set its font-family to font-family-title

**Does not need to pass W3C**

**Repo:**

* GitHub repository: alx-frontend
* Directory: 0x02-CSS\_advanced
* File: styles/4-style.css

 Done? Help Check your code

5. Variables for the font size

**mandatory**

Based on styles/4-style.css:

* Targeting the root selector, create the following custom properties:
  + font-size-small set to 1.2rem
  + font-size-medium set to 1.6rem
  + font-size-large set to 1.8rem
  + font-size-x-large set to 2.3rem
  + font-size-xx-large set to 4.8rem
* All fonts in the html element should be at 62.5% of their normal size
* Any fonts in the body should have their sizes set to font-size-medium

**Does not need to pass W3C**

**Repo:**

* GitHub repository: alx-frontend
* Directory: 0x02-CSS\_advanced
* File: styles/5-style.css

 Done? Help Check your code

6. Variables for the font-weight

**mandatory**

Based on styles/5-style.css

* Targeting the root element, create the following custom properties:
  + font-weight-regular set to 400
  + font-weight-bold set to 700
* Set the boldness of fonts in the body to font-weight-regular
* Set the boldness of fonts in the headings to font-weight-bold

**Does not need to pass W3C**

**Repo:**

* GitHub repository: alx-frontend
* Directory: 0x02-CSS\_advanced
* File: styles/6-style.css

 Done? Help Check your code

7. Integrating Google Fonts into the CSS file

**mandatory**

Based on styles/6-style.css:

* Add Open Sans as the first choice font for font-family-base, with the previous fonts shifted down accordingly
* Add Raleway as the first choice font for font-family-title, with the previous fonts shifted down accordingly

**Does not need to pass w3c**

**Repo:**

* GitHub repository: alx-frontend
* Directory: 0x02-CSS\_advanced
* File: styles/7-style.css

 Done? Help Check your code

8. Defining line heights

**mandatory**

Based on styles/7-style.css:

* Targeting root, create the following custom properties:
  + line-height-small set to 1.2
  + line-height-base set to 1.5
  + line-height-big set to 1.8
* Set the minimum height of line boxes in the body to line-height-base

**Does not need to pass w3c**

**Repo:**

* GitHub repository: alx-frontend
* Directory: 0x02-CSS\_advanced
* File: styles/8-style.css

 Done? Help Check your code

9. Links are decorated by default, time to remove them

**mandatory**

Based on styles/8-style.css

Style the anchor elements so the text isn’t decorated with anything

**Does not need to pass w3c**

**Repo:**

* GitHub repository: alx-frontend
* Directory: 0x02-CSS\_advanced
* File: styles/9-style.css

 Done? Help Check your code

10. Centering the section titles

**mandatory**

Based on styles/9-style.css:

* Create a new custom property section-header-align and set it to center
* Just above the section-tagline declaration, create a new declaration targeting the class section-header
  + Set horizontal alignment of that class with section-header-align

**Does not need to pass w3c**

**Repo:**

* GitHub repository: alx-frontend
* Directory: 0x02-CSS\_advanced
* File: styles/10-style.css

 Done? Help Check your code

11. Add more styles to the section tagline

**mandatory**

Based on styles/10-style.css:

* Create a custom property section-tagline-transform and set it to uppercase
* Targeting the section-tagline class:
  + Set the family of fonts to font-family-title
  + By using the property section-tagline-transform, transform the text
  + Set the weight of fonts to font-weight-bold

**Does not need to pass w3c**

**Repo:**

* GitHub repository: alx-frontend
* Directory: 0x02-CSS\_advanced
* File: styles/11-style.css

 Done? Help Check your code

12. Adding more styling to the section title

**mandatory**

Based on styles/11-style.css:

* Create the following custom properties:
  + section-title-margin set to 0
  + section-title-color set to color-black

Just above the section-tagline declaration, create a new declaration targeting the section-title class

* Set the family of fonts to font-family-title
* Set the font size to font-size-xx-large
* Set the font weight to font-weight-bold
* Use the section-title-margin to set the margin
* Use the section-title-color to set the text color

**Repo:**

* GitHub repository: alx-frontend
* Directory: 0x02-CSS\_advanced
* File: styles/12-style.css

 Done? Help Check your code

13. Pseudo Classes

**mandatory**

Based on styles/12-style.css:

* Ensure that the declaration targeting anchor elements only targets those containing a hyperlink
* Directly after this declaration, target the visited state for the link
  + Italicize the text
* Directly after the visited state, target the hover state for the link
  + Decorate the links with an underline when hovering
* Directly after the hover state, target the active state for the link
  + Set the color of the background with the variable color-light-grey

**Does not need to pass w3c**

**Repo:**

* GitHub repository: alx-frontend
* Directory: 0x02-CSS\_advanced
* File: styles/13-style.css

 Done? Help Check your code

14. Resetting the CSS stylesheet for browser consistency

**mandatory**

Based on styles/13-style.css:

Normalize your CSS file using [necolas’ normalize.css](https://intranet.alxswe.com/rltoken/zLm60LjtTVjYJFguK9oKpA" \o "necolas' normalize.css" \t "_blank) with [this version](https://intranet.alxswe.com/rltoken/9n803kEvRTy9w0xGZ_-4sg).

**Does not need to pass w3c**

**Repo:**

* GitHub repository: alx-frontend
* Directory: 0x02-CSS\_advanced
* File: styles/14-style.css

 Done? Help Check your code

15. Add universal box-sizing

**mandatory**

Based on styles/14-style.css:

Just before the styling for html, add a universal box sizing rule

**Does not need to pass w3c**

**Repo:**

* GitHub repository: alx-frontend
* Directory: 0x02-CSS\_advanced
* File: styles/15-style.css

 Done? Help Check your code

16. Styling the container

**mandatory**

Based on styles/15-style.css:

After the styles for .section-tagline,

Target the container class and set the following:

* 960px wide
* evenly distribute the margins on both the left and and right side

**Does not need to pass w3c**

**Repo:**

* GitHub repository: alx-frontend
* Directory: 0x02-CSS\_advanced
* File: styles/16-style.css

 Done? Help Check your code

17. Adding padding to sections

**mandatory**

Based on styles/16-style.css:

* Create the following custom properties:
  + section-padding set to 5rem 0
  + section-header-padding set to 0 0 3rem
  + section-body-padding set to 0 0 3rem
  + section-footer-padding set to 3rem 0 0
  + section-footer-align set to center
  + footer-padding set to 5rem 0 1rem
* Just before the section-header declaration, target the class section and set the padding on all 4 sides to section-padding
* Set .section-header‘s pad all 4 sides with section-header-padding
* Following the section-header declaration, target the section-body class, pad all 4 sides with section-body-padding
* Following the section-body declaration, target the section-footer class, pad all 4 sides with section-footer-padding and set the horizontal alignment with section-footer-align
* At the end of your style file, target the class footer, pad all 4 sides of the selected element with footer-padding

**Does not need to pass w3c**

**Repo:**

* GitHub repository: alx-frontend
* Directory: 0x02-CSS\_advanced
* File: styles/17-style.css

 Done? Help Check your code

18. Customizing the navbar

**mandatory**

Based on styles/17-style.css:

* Targeting the navbar-menu class, let it float to the right
* For the nav class:
  + the margin on all sides should be set to 0
  + the padding on all sides should be set to 0
  + The styling on the list should not use anything
  + center align the text
* For the nav-item class in nav class:
  + set the family of fonts to nav-item-font-family
  + set the boldness of fonts to nav-item-font-weight
  + set the size of fonts to nav-item-font-size
  + set the spacing between text characters to nav-item-letter-spacing
  + set the display to nav-item-display
  + set the margin on all sides to nav-item-margin
* For the nav-link class in nav class:
  + set the display to block
  + set the padding to half of the root element for top and bottom, and equal to the root element for left and right
* While hovering over the nav-link class in nav class, set their foreground color value to nav-item-link-hover
* Create the following custom properties:
  + nav-item-font-family set to font-family-title
  + nav-item-font-weight set to font-weight-bold
  + nav-item-font-size set tofont-size-medium
  + nav-item-letter-spacing set to 4% of the root element
  + nav-item-display to inline-block
  + nav-item-marginto 3 times the root element on the bottom and 0 elsewhere
  + nav-item-link-hover set to color-primary

**Does not need to pass w3c**

**Repo:**

* GitHub repository: alx-frontend
* Directory: 0x02-CSS\_advanced
* File: styles/18-style.css

 Done? Help Check your code

19. Grid styling and custom variables

**mandatory**

Based on styles/18-style.css:

* Create the custom property section-tagline-margin set to 0
* Set the margins for the section-tagline class to section-tagline-margin
* For all ul with the class row:
  + 0 margins all around
  + No padding all around
  + the list should not have any default styles at all
* For the col-1-3 class:
  + set the width to 33.33% of its parent
  + float it to the left
  + set its padding to half of the root element
* For the col-1-2 class:
  + set the width to 50% of the parent
  + float it to the left
  + set its padding to half of the root element
* For the footer-copyright class:
  + No margins
  + Set the size of the fonts to font-size-small
  + set the foreground color to text-color
* For all ul tag in the footer class, align the text to the right

**Does not need to pass w3c**

**Repo:**

* GitHub repository: alx-frontend
* Directory: 0x02-CSS\_advanced
* File: styles/19-style.css

 Done? Help Check your code

20. Clear the context of the grid

**mandatory**

Based on styles/19-style.css:

Write a CSS rule that creates a new row after each instance of the class row with the following properties:

* no content
* displayed as a table
* do not allow any floating elements on either side

**Does not have to pass w3c**

**Repo:**

* GitHub repository: alx-frontend
* Directory: 0x02-CSS\_advanced
* File: styles/20-style.css

 Done? Help Check your code

21. Simplify the col- selector

**mandatory**

Based on styles/20-style.css:

* Select all classes that start with col-
  + float them to the left
  + set their padding to half of the root element
  + *Hint: be mindful of specificity*
* Remove references to these common properties for the individual col-1-3 and col-1-2 classes

**Does not need w3c**

**Repo:**

* GitHub repository: alx-frontend
* Directory: 0x02-CSS\_advanced
* File: styles/21-style.css

 Done? Help Check your code

22. Add a dark theme to sections

**mandatory**

Based on styles/21-style.css:

Style the data-section-theme=“dark” with these rules:

* Redefine the custom property text-color to the color-white
* Redefine the custom property section-title-color to color-white
* Set the background to the variable color-black

**Does not need to pass w3c**

**Repo:**

* GitHub repository: alx-frontend
* Directory: 0x02-CSS\_advanced
* File: styles/22-style.css

 Done? Help Check your code

23. Fix issues for dark theme

**mandatory**

Based on styles/22-style.css:

Style the footer-address class

* Set the color of the text to the text-color property

Style the social-link class:

* Style it so that it renders as a block element

Style the social-link class that also selects the svg children

* Fill in the color of the svg children with the text-color variable

**Does not have to pass w3c**

**Repo:**

* GitHub repository: alx-frontend
* Directory: 0x02-CSS\_advanced
* File: styles/23-style.css

 Done? Help Check your code

24. Add background and hover state to services

**mandatory**

Based on styles/23-style.css

Target card-title that is inside card-services

* The margin on all sides should be none at all

Target a that is inside card-services

* Have them render as block level elements
* The padding should be set to 2x the root element
* Set the background color to the variable color-light-grey

Target the hover state of a that is inside card-services

* Set the foreground color to the variable color-white
* Set the color of the background to the variable color-primary
* Text should not be decorated at all

**Does not need to pass w3c**

**Repo:**

* GitHub repository: alx-frontend
* Directory: 0x02-CSS\_advanced
* File: styles/24-style.css

 Done? Help Check your code

25. Add border to the button

**mandatory**

Based on styles/24-style.css

Add custom properties to the root selector in the css file

* Name: button-display, Value: inline-block
* Name: button-padding, Value: 1.5rem 3rem
* Name: button-border, Value: 0.2rem solid var(--color-primary)
* Name: button-color, Value: color-black
* Name: button-text-decoration, Value: none
* Name: button-font-size, Value: font-size-large
* Name: button-hover-color, Value: color-white
* Name: button-hover-text-decoration, Value: none
* Name: button-hover-background, Value: color-primary

Add these selectors after the selector for anchor links in active state:

* Create the button class selector
  + Set the display of the button to the variable button-display
  + Add padding all around with the variable button-padding
  + Style the border with the variable button-border
  + Set the size of fonts to the variable button-font-size
  + Set the foreground color to the variable button-color
  + Decorated text should have the value of the variable button-text-decoration
* Create the hover state of the button class selector
  + Set the foreground color value to the variable button-hover-color
  + Decorated text should have the value of the variable button-hover-text-decoration
  + Use the value of the variable button-hover-background for the background
* In [data-section-theme="dark"], add the variable
  + Create a custom property button-color pointing to the variable color-white

**Does not have to pass w3c**

**Repo:**

* GitHub repository: alx-frontend
* Directory: 0x02-CSS\_advanced
* File: styles/25-style.css

 Done? Help Check your code

26. Add border radius to images

**mandatory**

Based on styles/25-style.css

Add the card-testimonial selector

* Center align the text

Target the card-avatar that is inside the card-testimonial

* Round the radius on all sides at 50%
* Set the width to 10x the root element
* Set the height to 10x the root element

Target the <cite> HTML tag which is inside card-quote inside the card-testimonial

* Style as a block level element
* Pad the top with 1x the root element
* Set the foreground color value to the value of the color-primary variable

**Does not have to pass w3c**

**Repo:**

* GitHub repository: alx-frontend
* Directory: 0x02-CSS\_advanced
* File: styles/26-style.css

 Done? Help Check your code

27. Styling the section hero

**mandatory**

Based on styles/26-style.css

Add the section-hero selector

* Set the size of the background using 2-value syntax
* Width should be 90rem and the height should be set automatic

Target the section-title inside the section-hero

* Add 5rem of margin to the bottom

Target the section-inner inside the section-hero

* Add 10rem, 40rem, 2rem, and 0 to the padding on the top, right, bottom, left all in 1 rule

**Does not have to pass w3c**

**Repo:**

* GitHub repository: alx-frontend
* Directory: 0x02-CSS\_advanced
* File: styles/27-style.css

 Done? Help Check your code

28. Fixing the header and menu navigation bar

**mandatory**

Based on styles/27-style.css

Create these custom properties

* Name: header-padding, Value: 4rem 0 0
* Name: header-logo-position, Value: relative
* Name: header-logo-link-display, Value: inline-block
* Name: header-logo-link-position, Value: absolute
* Name: header-logo-link-top, Value: -1rem
* Name: header-logo-link-left, Value: 0

Create a header class selector

* Pad the header with the value within the variable header-padding

Create a header-logo class selector

* Position the header-logo with the value of the variable header-logo-position

Target the link inside the header-logo class

* Render the display using the value of the variable header-logo-link-display
* Position the links with the value of the variable header-logo-link-position
* Set the vertical position of the element using header-logo-link-top
* Set the horizontal position of the element using header-logo-link-left

**Does not have to pass w3c**

**Repo:**

* GitHub repository: alx-frontend
* Directory: 0x02-CSS\_advanced
* File: styles/28-style.css

 Done? Help Check your code

29. Styling and custom properties for the nav

**mandatory**

Based on styles/28-style.css

Edit the nav-item-link-hover property by setting its value to the color-whitevariable

Target the before pseudo elements of nav-link that is inside the nav

* Set the values of these elements to empty using content
* Absolutely position the targeted elements
* Set the vertical position to 0
* The horizontal position of the targeted elements should be 0
* Set the color of the background color of the targeted elements to the value color-white
* The width of the targeted elements should be set to 0
* Set the height to 20% of the root element value

Target the before pseudo elements of nav-link when nav-item is hover and is inside nav

* Set the background color of the elements to the variable color-primary
* Set the width of the elements to 100%

**Does not have to pass w3c**

**Repo:**

* GitHub repository: alx-frontend
* Directory: 0x02-CSS\_advanced
* File: styles/29-style.css

 Done? Help Check your code

30. Fix the works section

**mandatory**

Based on styles/29-style.css

Target card-outer within the card-work

* Relatively position the element
* Hide any overflow

Target the image inside card-image inside card-work

* The height of these elements should be 30rem
* The width of this element should be 100%
* Property: object-fit, Value: cover
* Vertically align to the bottom

Target card-inner inside card-work

* Absolutely position the element
* Vertically position with -0.1rem on the top
* Horizontally position the element with -0.1rem on the left
* Horizontally position the element with -0.1rem on the right
* Set the z-order to 1

Target card-inner when card-work is hover

* Set the background color to this value: rgba(0, 0, 0, 0.7)

Target card-title inside card-work

* Center align the text
* Margins all around should be 0
* Opacity should be set to its lowest value
* The height of the selected elements should be 100%
* The position should be relative

Target the link inside card-title and card-work

* Make sure elements display as blocks
* Text should not be decorated
* Padding on the top should be 45%

Create the after pseudo elements of the link (inside card-title and card-work)

* Absolutely position the selected elements
* Set the top, right, left, and bottom positions to be 0
* The content property of these elements should have an empty value

Target card-title when card-work is hover

* The opacity of these elements should be set to the value of 1

**Does not have to pass w3c**

**Repo:**

* GitHub repository: alx-frontend
* Directory: 0x02-CSS\_advanced
* File: styles/30-style.css

 Done? Help Check your code

31. Add quotes decoration on testimonials

**mandatory**

Target the card-quote that is inside the card-testimonial

* Style it so that the position is relative to its parent

Target the before pseudo-element of card-quote that is inside the card-testimonial

* The content should be set to the value \201C
* Absolutely position the selected elements
* The vertical position of the selected elements should be -4.5rem
* The horizontal position from the left should be -1rem
* The foreground color of the selected elements should be set to #efeded
* The size of fonts should be 10rem
* The z-order should be set to -1

**Does not have to pass w3c**

**Repo:**

* GitHub repository: alx-frontend
* Directory: 0x02-CSS\_advanced
* File: styles/31-style.css

 Done? Help Check your code

32. Incorporating transitions

**mandatory**

**Create some custom properties**

* Name: transition-duration, Value: .3s
* Name: transition-cubic-bezier, Value: cubic-bezier(0.17, 0.67, 0, 1.01)

**Add transformations on the card work**

Target the card-image when card-work is hover

* Use the transform property to apply a scale transform with a value of scale(1.2)

Target the card-outer when card-work is hover

* Use the transform property apply a scale transform to make the elements shrink. Use scale(0.95)

**Add animations on the navigation items**

Inside .nav .nav-link::before

* Use the shorthand property transition and have it use the value of var(–transition-duration) var(transition-cubic-bezier)

**Animate the button background**

In the hover state of the button class

* The duration of the transition should be set to the variable transition-duration
* The transition effect should be applied to the color and background-color properties (transition-property)

**Add transitions on the card works**

Inside card-work:hover .card-image

* Use the shorthand property transition and have it use the value of var(–transition-duration) var(transition-cubic-bezier)

Inside .card-work .card-inner

* Use the shorthand property transition and have it use the value of var(–transition-duration) var(transition-cubic-bezier)

**Does not have to pass w3c**

**Repo:**

* GitHub repository: alx-frontend
* Directory: 0x02-CSS\_advanced
* File: styles/32-style.css

 Done? Help Check your code

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