Curriculum

Short Specializations Average: 117.93%

[You have a captain's log due before 2023-08-06 (in about 23 hours)! Log it now!](https://intranet.alxswe.com/captain_logs/3713581/edit)

**Forms**

HTMLCSSFront-end

* By: David Dias, Senior Software Engineer at HomeX
* Weight: 1
* Ongoing second chance project - started Jul 24, 2023 6:00 AM, must end by Aug 7, 2023 6:00 AM
* An auto review will be launched at the deadline

**In a nutshell…**

* **Auto QA review:** 0.0/0 mandatory & 0.0/193 optional
* **Altogether:**  **0.0%**
  + Mandatory: no mandatory tasks
  + Optional: 0.0%

**Resources**

**Read or watch**:

* [An Extensive Guide To Web Form Usability — Smashing Magazine](https://intranet.alxswe.com/rltoken/F75QhuOGVwrVlw3jyD59LA)
* [Forms - UX Movement](https://intranet.alxswe.com/rltoken/FHn2z9omZm-zZCdL0L6jYw)
* [Placeholders in Form Fields are Harmful (Video)](https://intranet.alxswe.com/rltoken/IYEz09iT2H3TsnxrE1NNCA)
* [The Anatomy of Accessible Forms: Best Practices | Deque](https://intranet.alxswe.com/rltoken/dj3c68pJZ98_mOwVZIffRg)
* [Pure CSS Custom Error Messaging for Default Form Elements – Sarah Holley Design](https://intranet.alxswe.com/rltoken/0AEw7wVlCeD2g6qxmmMNdg)

**MDN resources:**

* [HTML forms - Learn web development | MDN](https://intranet.alxswe.com/rltoken/cKHAWeDaaipkWc3Qp7dk-A)
* [form - HTML: Hypertext Markup Language | MDN](https://intranet.alxswe.com/rltoken/OycVJJ66n8de1HEKULWfrA)
* [fieldset: The Field Set element - HTML: Hypertext Markup Language | MDN](https://intranet.alxswe.com/rltoken/TGLyze_Bp1DBjQvQbzlajQ)
* [legend - HTML: Hypertext Markup Language | MDN](https://intranet.alxswe.com/rltoken/17-V4P19pfdvU2HpIRRmXA)
* [label - HTML: Hypertext Markup Language | MDN](https://intranet.alxswe.com/rltoken/kXCDJc8Qw6M--ILxuh7tMw)
* [input: The Input (Form Input) element - HTML: Hypertext Markup Language | MDN](https://intranet.alxswe.com/rltoken/7FcwUHhpxn44cLxvrsWpww)
* [tabindex - HTML: Hypertext Markup Language | MDN](https://intranet.alxswe.com/rltoken/m0QdLjhrVlvAUQegF_FT7A)
* [accesskey - HTML: Hypertext Markup Language | MDN](https://intranet.alxswe.com/rltoken/F2MpAT1EppVJhS4Au52HOg)
* [button: The Button element - HTML: Hypertext Markup Language | MDN](https://intranet.alxswe.com/rltoken/myuiKoqPr77ZRvDUB2yIOw)
* [select - HTML: Hypertext Markup Language | MDN](https://intranet.alxswe.com/rltoken/9zADxc-SolMysvwtwD4C8g)
* [optgroup - HTML: Hypertext Markup Language | MDN](https://intranet.alxswe.com/rltoken/RwRLybVmGK9xKQ1njUb_UA)
* [datalist - HTML: Hypertext Markup Language | MDN](https://intranet.alxswe.com/rltoken/8IcfvXHQcRf00-7uuBUmEA)
* [textarea - HTML: Hypertext Markup Language | MDN](https://intranet.alxswe.com/rltoken/gW0KcI3KEAjtZSZlA9cZCQ)
* [Form Validation UX in HTML and CSS | CSS-Tricks](https://intranet.alxswe.com/rltoken/CkI0uzWK2H5IiJY0lodYEg)
* [Constraint validation - Developer guides | MDN](https://intranet.alxswe.com/rltoken/XgPU-dACKBkIf3qwGd-s5A)
* [:invalid - CSS: Cascading Style Sheets | MDN](https://intranet.alxswe.com/rltoken/3IuhIFuWi_Mv33kDH_8EdA)
* [:valid - CSS: Cascading Style Sheets | MDN](https://intranet.alxswe.com/rltoken/d8gw1H9y39E43Tl0KZ0rfQ)
* [:optional - CSS: Cascading Style Sheets | MDN](https://intranet.alxswe.com/rltoken/_sFEKccBDtb235HX9u-OBA)

**Learning objectives**

At the end of this project, you are expected to be able to [explain to anyone](https://intranet.alxswe.com/rltoken/Z3gz0wtL7fJie8TquH0rkw), **without the help of Google**:

* How to create an HTML5 form
* How to choose the right input type
* How to constrain a form field with regular expressions
* How to style inputs for invalid, valid, and required fields
* How to build a a comment form
* How to build a simple search form
* How to create usable and accessible forms

**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. basic comment structure**

#advanced

Score: 0.0% (Checks completed: 0.0%)

To ensure we start on the same foot, use these files:

00-article.html



00-styles.css

Click to expand/hide file contents

/\* SUMMARY

1. GLOBAL

2. LAYOUT

3. SECTION

4. CARD

\*/

/\*\*\* 1. GLOBAL \*\*\*/

/\* Reset / Normalize

============================= \*/

/\*! normalize.css v8.0.1 | MIT License | github.com/necolas/normalize.css \*/html{line-height:1.15;-webkit-text-size-adjust:100%}body{margin:0}main{display:block}h1{font-size:2em;margin:.67em 0}hr{box-sizing:content-box;height:0;overflow:visible}pre{font-family:monospace,monospace;font-size:1em}a{background-color:transparent}abbr[title]{border-bottom:none;text-decoration:underline;text-decoration:underline dotted}b,strong{font-weight:bolder}code,kbd,samp{font-family:monospace,monospace;font-size:1em}small{font-size:80%}sub,sup{font-size:75%;line-height:0;position:relative;vertical-align:baseline}sub{bottom:-.25em}sup{top:-.5em}img{border-style:none}button,input,optgroup,select,textarea{font-family:inherit;font-size:100%;line-height:1.15;margin:0}button,input{overflow:visible}button,select{text-transform:none}[type=button],[type=reset],[type=submit],button{-webkit-appearance:button}[type=button]::-moz-focus-inner,[type=reset]::-moz-focus-inner,[type=submit]::-moz-focus-inner,button::-moz-focus-inner{border-style:none;padding:0}[type=button]:-moz-focusring,[type=reset]:-moz-focusring,[type=submit]:-moz-focusring,button:-moz-focusring{outline:1px dotted ButtonText}fieldset{padding:.35em .75em .625em}legend{box-sizing:border-box;color:inherit;display:table;max-width:100%;padding:0;white-space:normal}progress{vertical-align:baseline}textarea{overflow:auto}[type=checkbox],[type=radio]{box-sizing:border-box;padding:0}[type=number]::-webkit-inner-spin-button,[type=number]::-webkit-outer-spin-button{height:auto}[type=search]{-webkit-appearance:textfield;outline-offset:-2px}[type=search]::-webkit-search-decoration{-webkit-appearance:none}::-webkit-file-upload-button{-webkit-appearance:button;font:inherit}details{display:block}summary{display:list-item}template{display:none}[hidden]{display:none}

/\* Variables

============================= \*/

:root {

--color-primary: #D73953;

--color-black: #090909;

--color-white: #ffffff;

--color-grey: #a0a0a0;

--color-light-grey: #f3f3f3;

--color-dark-grey: #353535;

--text-color: var(--color-black);

--font-family-base: 'Open Sans', 'Helvetica Neue', Helvetica, Arial, sans-serif;

--font-family-title: 'Raleway', 'Helvetica Neue', Helvetica, Arial, sans-serif;

--font-size-small: 1.2rem;

--font-size-medium: 1.6rem;

--font-size-large: 1.8rem;

--font-size-x-large: 2.3rem;

--font-size-xx-large: 4.8rem;

--font-weight-regular: 400;

--font-weight-bold: 700;

--line-height-small: 1.2;

--line-height-base: 1.5;

--line-height-big: 1.8;

/\*\* SECTION \*\*/

--section-padding: 5rem 0;

--section-header-padding: 0 0 3rem;

--section-header-align: center;

--section-title-font-size: var(--font-size-xx-large);

--section-title-font-weight: var(--font-weight-bold);

--section-title-line-height: var(--line-height-small);

--section-title-margin: 0;

--section-title-color: var(--color-black);

--section-tagline-transform: uppercase;

--section-tagline-color: var(--color-primary);

--section-tagline-font-family: var(--font-family-headings);

--section-tagline-font-weight: var(--font-weight-bold);

--section-tagline-margin: 0;

--section-body-padding: 2rem 0 4rem;

--section-footer-padding: 3rem 0 0;

--section-footer-align: center;

/\*\* HEADER \*\*/

--header-padding: 4rem 0 0;

/\*\* FOOTER \*\*/

--footer-padding: 5rem 0 1rem;

/\*\* NAVBAR \*\*/

--nav-item-font-family: var(--font-family-headings);

--nav-item-font-weight: var(--font-weight-bold);

--nav-item-font-size: var(--font-size-medium);

--nav-item-letter-spacing: .04rem;

--nav-item-display: inline-block;

--nav-item-margin: 0 0 0 2rem;

--nav-item-link-hover: var(--color-white);

/\*\* BUTTON \*\*/

--button-display: inline-block;

--button-padding: 1.5rem 3rem;

--button-border: var(--color-primary) solid 0.2rem;

--button-color: var(--color-black);

--button-text-decoration: none;

--button-font-size: var(--font-size-large);

--button-hover-color: var(--color-white);

--button-hover-text-decoration: none;

--button-hover-background: var(--color-primary);

/\*\* MOTION \*\*/

--transition-duration: .3s;

--transition-cubic-bezier: cubic-bezier(0.17, 0.67, 0, 1.01);

}

/\* Base

============================= \*/

\*, \*:before, \*:after {

box-sizing: border-box;

}

html {

scroll-behavior: smooth;

font-size: 62.5%;

}

body {

color: var(--text-color);

font-family: var(--font-family-base);

font-size: var(--font-size-medium);

font-weight: var(--font-weight-regular);

line-height: var(--line-height-base);

}

h1, h2, h3, h4, h5, h6 {

font-family: var(--font-family-title);

font-weight: var(--font-weight-bold);

}

a {

color: var(--text-color);

text-decoration: none;

}

a:visited {

font-style: italic;

}

a:hover {

text-decoration: underline;

}

a:active {

background-color: var(--color-light-grey);

}

.button {

display: var(--button-display);

padding: var(--button-padding);

border: var(--button-border);

font-size: var(--button-font-size);

color: var(--button-color);

text-decoration: var(--button-text-decoration);

}

.button:hover {

color: var(--button-hover-color);

text-decoration: var(--button-hover-text-decoration);

background: var(--button-hover-background);

transition-duration: var(--transition-duration);

transition-property: color, background-color;

}

/\* Helpers

============================= \*/

.visually-hidden:not(:focus):not(:active) {

position: absolute !important;

height: 1px;

width: 1px;

overflow: hidden;

clip: rect(1px, 1px, 1px, 1px);

white-space: nowrap;

}

/\*\*\* 2. LAYOUT \*\*\*/

/\* Layout

============================= \*/

.container {

width: 960px;

margin-left: auto;

margin-right: auto;

}

/\* Grid

============================= \*/

ul.row {

margin: -1rem;

padding: 0;

list-style: none;

}

.row {

display: flex;

}

[class\*='col-'] {

margin: 1rem;

}

.col-1-3 {

width: calc((100% / 3) - 2rem);

}

.col-1-2 {

width: calc((100% / 2) - 2rem);

}

/\* Navbar

============================= \*/

.nav {

margin: 0;

padding: 0;

list-style: none;

text-align: center;

display: flex;

}

.nav .nav-item {

font-family: var(--nav-item-font-family);

font-weight: var(--nav-item-font-weight);

font-size: var(--nav-item-font-size);

letter-spacing: var(--nav-item-letter-spacing);

}

.nav .nav-item + .nav-item {

margin: var(--nav-item-margin);

}

.nav .nav-link {

display: block;

padding: 0.5rem 0;

position: relative;

}

.nav .nav-link:hover {

color: var(--nav-item-link-hover);

text-decoration: none;

}

.nav .nav-link::before {

content: '';

position: absolute;

bottom: 0;

left: 0;

background-color: var(--color-white);

width: 0;

height: 0.2rem;

transition: var(--transition-duration) var(--transition-cubic-bezier);

}

.nav .nav-item:hover .nav-link::before {

background-color: var(--color-primary);

width: 100%;

}

/\* Header

============================= \*/

.header {

padding: var(--header-padding);

position: relative;

z-index: 3;

background: transparent;

}

.header-container {

display: flex;

justify-content: space-between;

align-items: center;

}

/\* Footer

============================= \*/

.footer {

--nav-item-font-weight: normal;

--nav-item-font-size: var(--font-size-small);

padding: var(--footer-padding);

}

.footer-copyright {

margin: 0;

font-size: var(--font-size-small);

color: var(--text-color);

}

.footer ul {

text-align: right;

}

.footer-address {

color: var(--text-color);

}

.social-link {

display: block;

}

.social-link > svg {

fill: var(--text-color);

}

/\*\*\* 3. SECTION \*\*\*/

/\* Section (all styles)

============================= \*/

.section {

padding: var(--section-padding);

}

.section-header {

text-align: var(--section-header-align);

padding: var(--section-header-padding);

}

.section-title {

font-size: var(--section-title-font-size);

font-weight: var(--section-title-font-weight);

line-height: var(--section-title-line-height);

margin: var(--section-title-margin);

color: var(--section-title-color);

}

.section-tagline {

color: var(--section-tagline-color);

font-family: var(--section-tagline-font-family);

text-transform: var(--section-tagline-transform);

font-weight: var(--section-tagline-font-weight);

margin: var(--section-tagline-margin);

}

.section-body {

padding: var(--section-body-padding);

}

.section-footer {

padding: var(--section-footer-padding);

text-align: var(--section-footer-align);

}

/\* Section theming

============================= \*/

[data-section-theme="dark"] {

--button-color: var(--color-white);

--text-color: var(--color-white);

--section-title-color: var(--color-white);

background: var(--color-black);

}

/\* Section HERO

============================= \*/

.section-hero {

position: relative;

margin-top: -8.5rem;

}

.hero-homepage {

background-image: url(images/banner-home.jpg);

background-position: 75% 0;

background-repeat: no-repeat;

background-size: 90rem auto;

}

.section-hero .section-body {

padding: 10rem 4rem;

}

.section-hero .section-category {

color: var(--color-white);

text-transform: uppercase;

}

.section-hero .section-title {

margin-bottom: 5rem;

}

.section-hero .section-inner {

display: flex;

flex-direction: column;

align-items: flex-start;

justify-content: center;

min-height: 50vh;

}

/\* Section Latest news

============================= \*/

.section-latest-news .row {

flex-direction: row-reverse;

}

/\* Section SERVICES

============================= \*/

.section-services .row {

flex-wrap: wrap;

}

/\* Section ABOUT US

============================= \*/

.section-about-us [class\*='col-'] {

align-self: center;

}

/\*\*\* 4. CARD \*\*\*/

/\* Card (all styles)

============================= \*/

.card-category {

color: var(--color-primary);

}

/\* Card WORK

============================= \*/

.card-work .card-outer {

position: relative;

overflow: hidden;

}

.card-work:hover .card-outer {

transform: scale(0.95);

}

.card-work .card-image img {

height: 30rem;

width: 100%;

object-fit: cover;

vertical-align: bottom;

}

.card-work:hover .card-image {

transform: scale(1.2);

transition: var(--transition-duration) var(--transition-cubic-bezier);

}

.card-work .card-inner {

position: absolute;

top: -0.1rem;

left: -0.1rem;

right: -0.1rem;

bottom: -0.1rem;

z-index: 1;

transition: var(--transition-duration) var(--transition-cubic-bezier);

}

.card-work:hover .card-inner {

background-color: rgba(0, 0, 0, 0.7);

}

.card-work .card-title {

text-align: center;

margin: 0;

opacity: 0;

height: 100%;

position: relative;

}

.card-work .card-title a {

display: block;

text-decoration: none;

padding-top: 45%;

}

.card-work .card-title a::after {

position: absolute;

top: 0;

left: 0;

right: 0;

bottom: 0;

content: '';

}

.card-work:hover .card-title {

opacity: 1;

}

/\* Card SERVICES

============================= \*/

.card-services .card-title {

margin: 0;

}

.card-services a {

display: block;

padding: 2rem;

background-color: var(--color-light-grey);

}

.card-services a:hover {

color: var(--color-white);

background: var(--color-primary);

text-decoration: none;

transition-duration: 0.3s;

transition-property: color, background-color;

}

/\* Card TESTIMONIAL

============================= \*/

.card-testimonial {

text-align: center;

}

.card-testimonial .card-avatar {

border-radius: 50%;

width: 10rem;

height: 10rem;

}

.card-testimonial .card-quote cite {

display: block;

padding-top: 1rem;

color: var(--color-primary);

}

.card-testimonial .card-quote {

position: relative;

}

.card-testimonial .card-quote::before {

content: '\201C';

position: absolute;

top: -4.5rem;

left: -1rem;

color: #efeded;

font-size: 10rem;

z-index: -1;

}

/\*\*\* ARTICLE PAGE \*\*\*/

/\* Section HERO (article)

============================= \*/

.hero-article {

background-size: 150rem 100rem;

background-position: 50% 0;

}

.hero-article::before {

content: '';

background: rgba(0, 0, 0, 0.8);

position: absolute;

top: 0;

right: 0;

left: 0;

bottom: 0;

z-index: 0;

}

.hero-article .section-inner {

text-align: center;

align-items: center;

min-height: 40vh;

}

.hero-article .section-body {

position: relative;

padding: 7rem 0 0;

z-index: 2;

}

.main-article {

padding: 5rem 0;

}

/\* Post

============================= \*/

.post {

display: flex;

align-items: baseline;

}

.post-content {

width: 100%;

padding-left: 7rem;

}

.post-aside {

order: -1;

min-width: 20%;

}

.post img {

width: 100%;

height: auto;

}

.post-content p:first-child {

font-size: var(--font-size-x-large);

}

.post-content .img-caption {

margin: 1rem 0;

padding: 0 0.5rem;

font-size: var(--font-size-small);

color: var(--color-grey);

text-align: center;

}

/\* Post Meta

============================= \*/

.post-meta-list {

flex-direction: column;

}

.post-meta-list strong {

color: var(--color-primary);

font-size: 1.3rem;

font-weight: var(--font-weight-bold);

text-transform: uppercase;

letter-spacing: normal;

display: block;

}

.post-meta-list [class\*='post-meta'] {

margin-bottom: 1rem;

padding-bottom: 1rem;

border-bottom: 0.2rem solid var(--color-light-grey);

}

.post-meta-list [class\*='post-meta']:last-child {

border: none;

margin-bottom: 3rem;

}

/\* Tag list

============================= \*/

.tag-list {

padding: 0;

list-style: none;

}

.tag-list li {

display: inline;

}

.tag-list li::after {

content: ", ";

}

.tag-list li:last-child::after {

content: "";

}

**In your 01-article.html file**

* Sibling to the <div class="post">, create a new <section> with the class post-comments
* Inside the section create an header
  + In the <header> create a heading level 2 with class section-title and text: Leave a comment
  + under the level 2 heading create a paragraph with text: All fields are required.
* Create a form siblings to the header
  + Action: #
  + Method: post

**In your 01-styles.css file**

After the Tag list styles, create a new comment

/\*\*\* FORM \*\*\*/

/\* Comment section

============================= \*/

* Target post-comments class
  + Property: width, Value: 80%
  + Property: margin, Value: 10rem 0 0 auto
  + Property: padding-left, Value: 7rem
* Target the section-title class inside the post-comments class
  + Property: font-variant, Value: small-caps
* Add a new comment section

/\* Basic form

============================= \*/

* Target all form
  + Property: display, Value: flex
  + Property: flex-direction, Value: column
  + Property: padding, Value: 1rem 0
  + Property: margin, Value: 0

**Final rendering**

**Repo:**

* GitHub repository: alx-frontend-for-fun
* Directory: form
* File: 01-article.html, 01-styles.css

**1. more comment basic structure**

#advanced

Score: 0.0% (Checks completed: 0.0%)

**From 01-article.html, create 02-article.html**

* In the form in the comment section
  + Create a first fieldset with a legend that has the text Your personal information and the class visually-hidden
    - In the fieldset create a first div with the classes form-group and col-1-2
    - Sibling to the first div, create a second div with the classes form-group and col-1-2
    - Sibling to the 2 divs create a third div with the classes form-group and col-2-3
  + Sibling to the first fieldset, create a second fieldset with a legend that has the text Your comment and the class visually-hidden
    - In the second fieldset create a first div with the classes form-group and col-2-3
    - Sibling to the first div create a second div with the classes form-group and col-2-3
    - Sibling to the 2 divs create a third div with the class form-group

**From 01-styles.css, create 02-styles.css**

* Target all fieldset and set the following rules
  + flex display
  + direction of flex is column
  + justify the content at flex-start
  + no border
  + 0 0 2rem padding

**Final rendering** (same as previously because <legend> tags are hidden by default)

**Repo:**

* GitHub repository: alx-frontend-for-fun
* Directory: form
* File: 02-article.html, 02-styles.css

**2. create labels and input container**

#advanced

Score: 0.0% (Checks completed: 0.0%)

**From 02-article.html, create 03-article.html and in the form which is in the comment section:**

* In the first fieldset
  + In the first div (which has classes form-group and col-1-2)
    - Create a label
      * For: your-first-name
      * Text: First Name
    - Sibling to the label, create a <div> with the class form-field
      * Create a span inside the div with the class form-field-container
  + In the second div (which has classes form-group and col-1-2)
    - Create a label
      * For: your-last-name
      * Text: Last Name
    - Sibling to the label, create a <div> with the class form-field
      * Create a span inside the div with the class form-field-container
  + In the third div (which has classes form-group and col-2-3)
    - Create a label
      * For: your-email
      * Text: Email
    - Sibling to the label, create a <div> with the class form-field
      * Create a span inside the div with the class form-field-container
* In the second fieldset
  + In the first div (which has classes form-group and col-2-3)
    - Create a label
      * For: your-title
      * Text: Title
    - Sibling to the label, create a <div> with the class form-field
      * Create a span inside the div with the class form-field-container
  + In the second div (which has classes form-group and col-2-3)
    - Create a label
      * For: your-comment
      * Text: Comment
    - Sibling to the label, create a <div> with the class form-field
      * Create a span inside the div with the class form-field-container
  + In the third div (which has class form-group)
    - Create a <button> with the classes button and button-primary
      * Text: Post my comment

**From 02-styles.css, create 03-styles.css:**

* Target all label
  + cursor should be pointer
  + display as block element
  + don’t wrap white space
  + size of font should be 1.4rem
  + set padding to 0 0 .5rem

**Final rendering**

**Final rendering with button in hover**

**Repo:**

* GitHub repository: alx-frontend-for-fun
* Directory: form
* File: 03-styles.css, 03-article.html

**3. create the inputs**

#advanced

Score: 0.0% (Checks completed: 0.0%)

**From 03-article.html, create 04-article.html:**

* In the first fieldset
  + In the first span of form-field-container class, create an input
    - Type: text
    - Name: your-first-name
    - Id: your-first-name
    - Placeholder: e.g. Mike
    - Pattern: [A-Za-zÀ-ž\s]{3,} (we want to allow all characters with and without accents and spaces. We want to have at least 3 characters to make the input valid)
    - Max length: 35
    - Autocomplete is on
    - Access Key: f
    - Required: true
  + In the second span of form-field-container class, create an input
    - Type: text
    - Name: your-last-name
    - Id: your-last-name
    - Placeholder: e.g. Smith
    - Pattern: [A-Za-zÀ-ž\s]{3,} (we want to allow all characters with and without accents and spaces. We want to have at least 3 characters to make the input valid)
    - Max length: 40
    - Autocomplete is on
    - Access Key: l
    - Required: true
  + In the third span of form-field-container class, create an 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,}$ (we want to ensure the correct format of the email)
    - Max length: 55
    - Autocomplete is on
    - Access Key: e
    - Required: true
* In the second fieldset
  + In the first span of form-field-container class, create an input
    - Type: text
    - Name: your-title
    - Id: your-title
    - Placeholder: e.g. I loved that article
    - Pattern: [A-Za-zÀ-ž\s]{4,} (we want to allow all characters with and without accents and spaces. We want to have at least 4 characters to make the input valid)
    - Max length: 75
    - Autocomplete is on
    - Access Key: t
    - Required: true
  + In the second span of form-field-container class, create a textarea
    - Name: your-comment
    - Id: your-comment
    - Placeholder: Write your comment here
    - Minimum length: 10
    - Access Key: c
    - Required: true
    - Columns: 30
    - Rows: 6

**From 03-styles.css, create 04-styles.css, after the label selector:**

* Target in one selector all input type text, all input type email, all textarea
  + Property: position, Value: relative
  + Property: width, Value: 100%
  + Property: padding, Value: 1.2rem
  + Property: line-height, Value: 1
  + Property: border, Value: .1rem solid point to the variable color-black
  + Property: background-color, Value: point to the variable color-white
  + Property: box-shadow, Value: none
  + Property: outline, Value: 0
* Target in one selector all input type text, all input type email
  + Property: padding-right, Value: 3rem
* Target in one selector the focus state of all input type text, the focus state of all input type email, the focus state of all textarea
  + Property: border, Value: .1rem solid point to the variable color-grey
  + Property: background-color, Value: point to the color-light-grey
* Now target the placeholder, it can be tricky so I’m gone give you the code to add to your stylesheet:

::placeholder {

font-style: italic;

font-size: var(--font-size-small);

}

**Final rendering**

**Final rendering when “Last name” field is focus**

**Repo:**

* GitHub repository: alx-frontend-for-fun
* Directory: form
* File: 04-article.html, 04-styles.css

**4. add help messages**

#advanced

Score: 0.0% (Checks completed: 0.0%)

**From 04-article.html, create 05-article.html:**

* In each span with form-field-container class that contains an input
  + After the input add an empty <i> with the class form-field-icon
* In the first fieldset
  + Inside the first div with form-field class, right after the closing span tag, add a paragraph
    - Class: form-help
    - Text: First name should be at least 3 characters and only contains letters
  + Inside the second div with form-field class, right after the closing spantag, add a paragraph
    - Class: form-help
    - Text: Last name should be at least 3 characters and only contains letters
  + Nothing is added in the third form-field
* In the second fieldset
  + Inside the first div with form-field class, right after the closing span tag, add a paragraph
    - Class: form-help
    - Text: Title should be at least 4 characters and only contains letters
  + Inside the second div with form-field class, right after the closing span tag, add a paragraph
    - Class: form-help
    - Text: Comment should be at least 10 characters

**From 04-styles.css, create 05-styles.css:**

* Add a new separation
* /\* Form group
* ============================= \*/
* Target form-group class
  + Property: padding, Value: 1rem
  + Property: margin, Value: 0
  + Property: background-color, Value: point to the variable color-white
* Target the focus-within state of form-group class
  + Property: background-color, Value: point to the color-light-grey (if it was not done in the previous task)
  + Property: transition, Value: .3s
* Add a new separation
* /\* Form field
* ============================= \*/
* Target form-field-container class
  + Property: position, Value: relative
* Target form-field-icon class
  + Property: font-style, Value: normal
* Add a new separation
* /\* Form help
* ============================= \*/
* Target form-help class inside form-group class
  + Property: margin, Value: 0
  + Property: line-height, Value: 1.3
  + Property: letter-spacing, Value: .019rem
  + Property: color, Value: point to the variable color-dark-grey
  + Property: font-size, Value: point to the variable font-size-small
  + Property: max-height, Value: 0
  + Property: transition, Value: .3s
  + Property: overflow, Value: hidden
* Target form-help class when form-group class has a focus-within state
  + Property: max-height, Value: 20rem
  + Property: margin, Value: .4rem 0 0

**Final rendering when “Last name” is focused**

**Repo:**

* GitHub repository: alx-frontend-for-fun
* Directory: form
* File: 05-article.html, 05-styles.css

**5. add pure HTML / CSS error handling**

#advanced

Score: 0.0% (Checks completed: 0.0%)

**From 05-styles.css, create 06-styles.css:**

* In the variable section, after the color-dark-grey variable
  + Create a custom property
    - Name: color-red, Value: #cd3e65
  + Create a custom property
    - Name: color-green, Value: #08805b
* After the text-color variable
  + Create a custom property
    - Name: valid-color, Value: point to thecolor-green variable
  + Create a custom property
    - Name: error-color, Value: point to the color-red variable
* At the end of the CSS file
  + Add a new separation

/\* Form error handling

============================= \*/

* Add this code to your file. The code is given to you with comments to help you to understand, because it’s a little bit advanced but really powerful when correctly understood.

/\* The following code is used to place the icon in the after pseudo element. Because after and before are not possible in an input, we need to use a span that will be positioned on the right of our input. \*/

input:not(:placeholder-shown) ~ .form-field-icon::after {

height: 100%;

right: 0;

pointer-events: none;

position: absolute;

top: 0;

width: 1.3em;

}

/\* Because inputs are invalid by default, we need to be careful and show the icon when we are not in focus and when when the input is not empty (placeholder-shown). Careful with this one because it is not supported everywhere. \*/

input:required:invalid:not(:focus):not(:placeholder-shown) ~ .form-field-icon::after {

content: '✘';

color: var(--error-color);

}

input:required:valid ~ .form-field-icon::after {

content: '✔';

color: var(--valid-color);

}

/\* We want to hide the helper text when we are not in focus. The tilte allows us to select a sibling element in CSS \*/

input:required:valid ~ .form-help {

max-height: 0;

}

/\* Showing a border in a different color is good but not enough. For accessibility purposes, we added an icon when the input is valid or invalid to have a visual distinction that is not only color based.\*/

input:required:invalid:not(:focus):not(:placeholder-shown),

textarea:invalid:not(:focus):not(:placeholder-shown) {

border: 0.1rem solid var(--error-color);

}

input:required:valid:not(:placeholder-shown),

textarea:valid:not(:placeholder-shown) {

border: 0.1rem solid var(--valid-color);

}

* In the /\* Base section, after the hover state of the button
  + Target the button-primary class
    - Property: color, Value: point to the variable color-white
    - Property: background, Value: point to the variable color-primary
  + Target the hover state of the button-primary class
    - Property: color, Value: point to the variable color-primary
    - Property: background, Value: point to the variable color-white

**Final rendering of validation layout**

**Repo:**

* GitHub repository: alx-frontend-for-fun
* Directory: form
* File: 06-styles.css, 06-article.html

**6. add the search form**

#advanced

Score: 0.0% (Checks completed: 0.0%)

**From 06-article.html, create 07-article.html:**

* In the navigation, add a new <li> at the end. Also add the nav-item class on the li.
  + Create a new <form> inside the li.
    - Action attr: #
    - Method attr: post
    - Class: form-search
    - Create a new input, type search
      * Name attr: q (it’s common to name the search q (=query))
      * Id attr: search-input
      * Placeholder: Search...
      * aria-label="Search through site content" (we will see in the accessibility module what is that attribute)
    - Create a button with the class search-button
      * Copy and paste the following code inside your 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>

**From 06-styles.css, create 07-styles.css:**

* At the end of the file, create a new comment separation
* /\*\*\* SEARCH FORM \*\*\*/
* Target the form-search class
  + Property: display, Value: block
  + Property: padding, Value: .5rem 0
  + Property: position, Value: relative
* Target the search-button class inside the form-search class
  + Property: display, Value: inline-block
  + Property: background, Value: transparent
  + Property: border, Value: 0
  + Property: margin Value: 0
  + Property: padding, Value: 0
* Target the search-icon class inside the search-button class
  + Property: fill, Value: point to the variable color-white
  + Property: width, Value: 1.5rem
  + Property: height, Value: 1.5rem
* Target the input type search inside the form-search class
  + Property: display, Value: inline-block
  + Property: color, Value: point to the variable color-white
  + Property: padding-right, Value: 2rem
  + Property: height, Value: 3rem
  + Property: border, Value: 0
  + Property: outline, Value: none
  + Property: position, Value: absolute
  + Property: width, Value: 0
  + Property: right, Value: 0
  + Property: background, Value: none
  + Property: cursor, Value: pointer
  + Property: z-index, Value: 3
  + Property: transition, Value: width .4s cubic-bezier(0, 0.795, 0, 1)
* Target the focus state of input type search inside the form-search class
  + Property: position, Value: relative
  + Property: width, Value: 15rem
  + Property: z-index, Value: 1
  + Property: border-bottom, Value: .1rem solid var(--color-grey)
  + Property: padding, Value: 0
  + Property: cursor, Value: text
  + Property: margin, Value: 0 1rem

**Final rendering of the search button**

**Final rendering of the search focus**

**Final rendering of the search focus with text**

**Repo:**

* GitHub repository: alx-frontend-for-fun
* Directory: form
* File: 07-article.html, 07-styles.css

Copyright © 2023 ALX, All rights reserved.