

Styling Forms – Walkthrough Instructions

Introduction

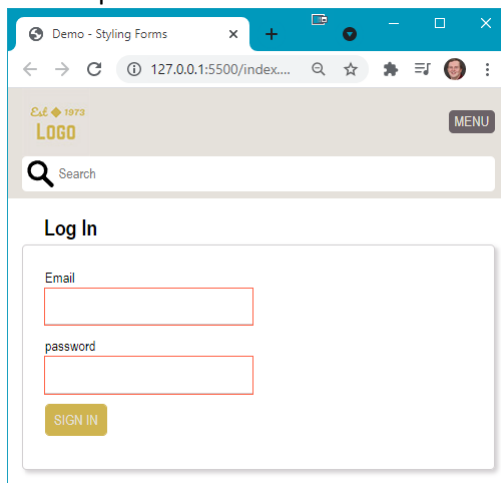
This lesson builds on the form concepts taught in COMP1017.

Demo Instructions

You can follow along with your instructor to complete this build and/or you can use this document as a guide in completing the demo build.

Steps

1. Download the **demo-form-styling.zip** file from Moodle and extract its contents to a folder named **demo-form-styling**.
2. The output of this lesson should look like:



3. The first steps are to build the web page and add the form elements. Open your **index.html** file and add the following code:

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta name="description" content="Header with accessible Search Bar">
    <title>Demo - Styling Forms</title>
    <link rel="stylesheet" href="css/reset.css">
    <link rel="stylesheet" href="css/styles.css">
  </head>
  <body>

  </body>
</html>
```

- b. Add the <header> block complete with a navigation menu:

```
<header>
  <div class="header-top">
    <h1 class="sr-only">Logo Name</h1>
    
    <button>Menu</button>
    <nav>
      <ul class="nav-links">
        <li><a href="#">Articles</a></li>
        <li><a href="#">Guides</a></li>
        <li><a href="#">Books</a></li>
        <li><a href="#">Events</a></li>
        <li><a href="#">Memberships</a></li>
      </ul>
    </nav>
  </div>
</header>
```

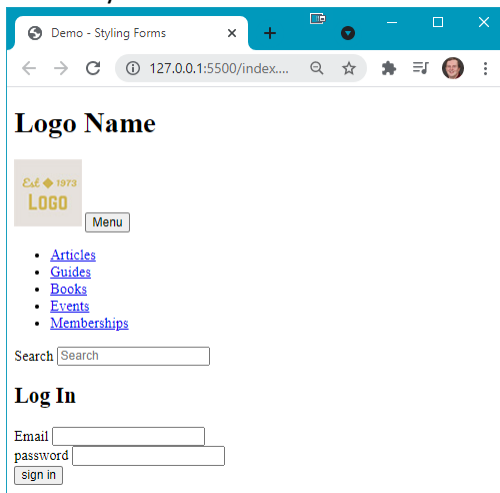
- c. Add a search form after the closing div and before the closing header:

```
<form action="#" method="get" role="search">
  <label for="searchbar" class="sr-only">Search</label>
  <input id="searchbar" type="text" placeholder="Search">
</form>
```

- d. Add a <section> inside the main <form> block:

```
<section>
  <h2>Log In</h2>
  <form class="login-form" action="#" method="post">
    <div>
      <label for="email">Email</label>
      <input id="email" type="email" required>
    </div>
    <div>
      <label for="pass">password</label>
      <input id="pass" type="password" autocomplete="off" required>
    </div>
    <div>
      <input type="submit" value="sign in">
    </div>
  </form>
</section>
```

4. Refresh your browser to see:



Question: What are the next steps?

5. You will need to add the **reset.css** file and create a **styles.css** file to your **css** folder.
6. Modify your **styles.css** file by adding the following rules:

- a. Add the **:root** style rule:

```
:root {  
  --cream: #e5e1db;  
  --yellow: #cfb450;  
  --grey: #6b6267;  
  --lt-grey: #d2cfd1;  
}
```

- b. Add some basic web page styling:

```
body {  
  font-family: Arial Narrow,Arial,sans-serif;  
}  
  
h2 {  
  margin-left: 1.5rem;  
}  
  
header {  
  background-color: var(--cream);  
  padding: 0 1rem;  
}  
  
nav {  
  display: none;  
}
```

- c. Style the **.header-top** class:

```
.header-top {  
  display: flex;  
  justify-content: space-between;  
  align-items: center;  
}
```

- d. Style the **.sr-only** class:

```
.sr-only {  
  position: absolute;  
  left: -10000px;  
  top: auto;  
  width: 1px;  
  height: 1px;  
  overflow: hidden;  
}
```

- e. Style the submit buttons for uppercase letters and rounded corners:

```
button,  
input[type=submit] {  
  background-color: var(--grey);  
  color: var(--cream);  
  border: none;  
  border-radius: 5px;  
  outline: 0;  
  cursor: pointer;  
  text-transform: uppercase;  
}
```

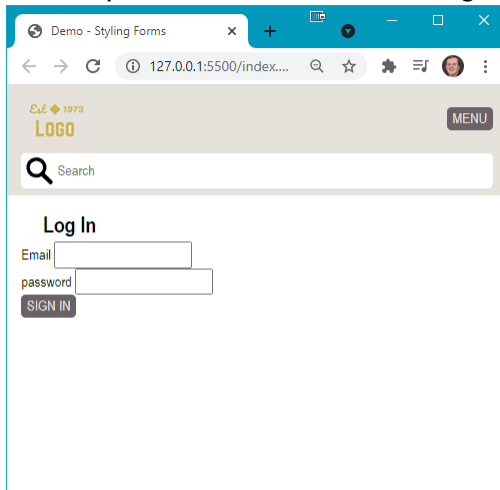
- f. Style the search form:

```
input[id=searchbar] {  
  width: 100%;  
  padding: 0.5rem;  
  margin-bottom: 0.5rem;  
  border-radius: 5px;  
  border: none;  
  background-image: url('../img/magnifying-glass.svg');  
  background-repeat: no-repeat;  
  background-size: 30px 30px;  
  background-position: center left 5px;  
  padding-left: 40px;  
}
```

- g. Add some padding to the <section>:

```
section {  
  padding: 1rem;  
}
```

7. Refresh your browser to see something like:



Question: What needs to be done now?

8. It is time to start styling the login form. Add the following style rules:

- a. Add the **.login-form** class rule:

```
.login-form {  
  padding: 1.5rem;  
  border-radius: 5px;  
  box-shadow: 3px 3px 5px var(--lt-grey);  
  border: 1px solid var(--lt-grey);  
}
```

- b. Style the labels:

```
.login-form label {  
  display: block;  
}
```

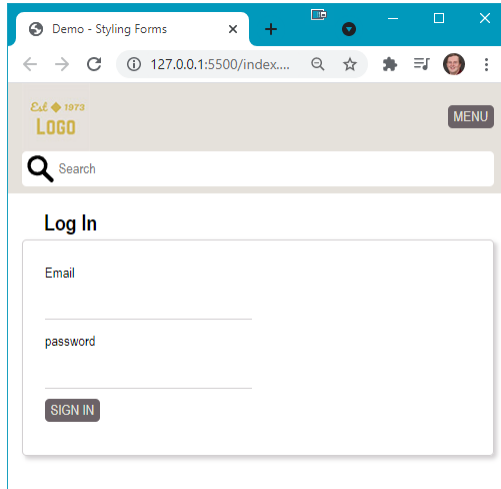
- c. Style the div elements:

```
.login-form > div {  
  margin-bottom: 0.75rem;  
}
```

d. Style the input fields:

```
.login-form input[type=email],
.login-form input[type=password] {
  padding: 0.5rem;
  width: 14.375rem;
  border: none;
  border-bottom: 1px solid var(--lt-grey);
}
```

9. Refresh your browser to see something like:



Question: What are the next steps?

10. Add more style rules to your **styles.css** file:

a. Style the submit buttons and add a hover effect:

```
input[type=submit] {
  background-color: var(--yellow);
  padding: 0.25rem 0.5rem;
  border: 2px solid var(--yellow);
  transition: all 0.2s ease-in-out;
}

input[type=submit]:hover {
  background-color: white;
  border: 2px solid var(--yellow);
  color: var(--grey);
}
```

b. Add a **:focus** style rule:

```
*:focus {outline:none !important}
```

The **:focus** style rule:

:focus

The **:focus** [CSS pseudo-class](#) represents an element (such as a form input) that has received focus. It is generally triggered when the user clicks or taps on an element or selects it with the keyboard's **Tab** key.

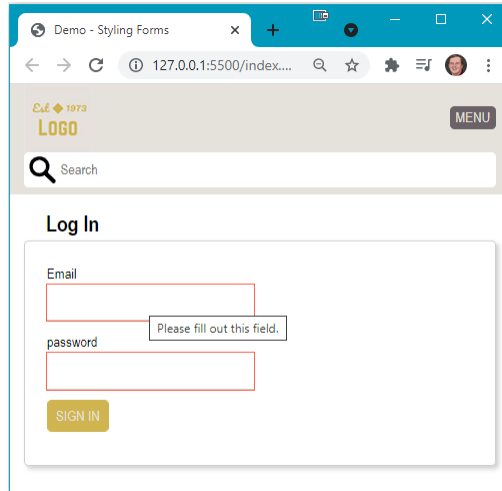
Reference: <https://developer.mozilla.org/en-US/docs/Web/CSS/:focus>

- c. Add some *error checking* to the input fields:

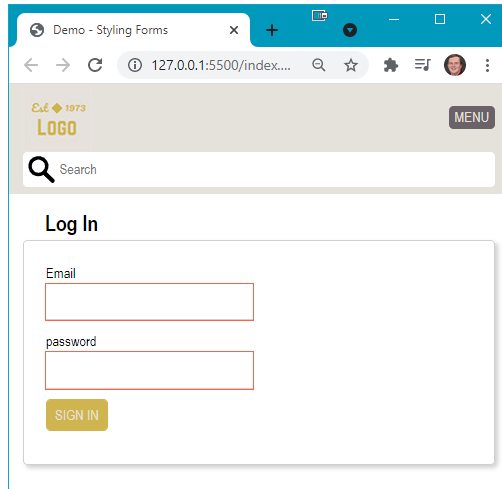
```
.login-form input[type=email]:invalid,  
.login-form input[type=password]:invalid {  
  outline: 2px solid tomato;  
}  
  
.login-form input[type=email]:valid,  
.login-form input[type=password]:valid {  
  outline: 2px solid green;  
}
```

11. Refresh your browser and try the form:

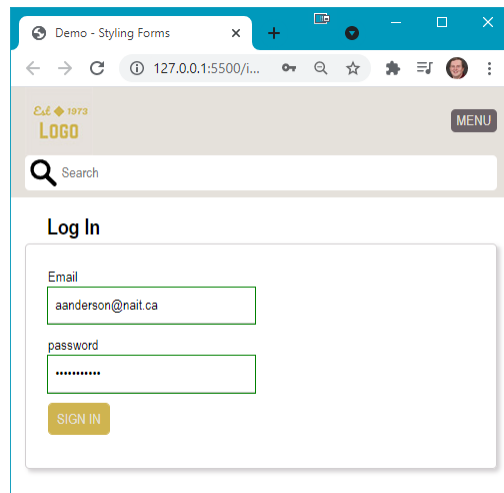
- a. Hover over an input field:



- b. No data entered:



c. Form fields filled out:



The screenshot shows a web browser window titled "Demo - Styling Forms". The address bar displays "127.0.0.1:5500/i...". The page header includes a logo with the text "Est. 1973" and "LOGO", and a "MENU" button. Below the header is a search bar with a magnifying glass icon and the text "Search". The main content area features a "Log In" section with a white background and a subtle shadow. Inside this section, there are two input fields: "Email" with the value "aanderson@nait.ca" and "password" with masked characters "*****". A "SIGN IN" button is located below the password field.

Est. 1973
LOGO

MENU

Search

Log In

Email
aanderson@nait.ca

password

SIGN IN