

Lab 03: Implementing CSS for Path of Light Yoga Studio website using Bootstrap

In this exercise, you have to do the following tasks:

Task 1: Create a folder

Create a folder on your hard drive or portable storage device (USB or SD card) called “yoga3” to contain your Path of Light Yoga Studio website files. Copy **all** the files from your **Lab 2’s folder (yoga2)** into the “yoga3” folder.

Task 2: Configure the Bootstrap External Cascading Style Sheet (CSS)

Launch a text editor, and open all the html files. Modify **ALL** the HTML files to apply styles from the Bootstrap external style sheet and JavaScript as follows.

NOTE: Refer to the Bootstrap’s starter template

<https://getbootstrap.com/docs/4.4/getting-started/introduction/#starter-template>

1. **Remove** the <link> for **yoga.css** external style sheet file, **include** meta tags and Bootstrap CDN link (hosted online) using the <link> tag:

```
<head>
<!-- Required meta tags -->
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1,
shrink-to-fit=no">

<!-- Bootstrap CSS -->
<link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstr
ap.min.css" integrity="sha384-
Vko08x4CGs03+Hhxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9Ifjh"
crossorigin="anonymous">

<title> Path of Light Yoga Studio</title>

</head>
```

2. To use Bootstrap’s compiled JavaScript, include jQuery and Popper.js CDN links before it. Add all the jQuery, Popper.js and Bootstrap JS’s CDN links **at the end of <body> </body>** division:

```
<body>

<!-- JavaScript -->
<!-- jQuery first, then Popper.js, then Bootstrap JS -->
<script src="https://code.jquery.com/jquery-3.4.1.slim.min.js"
integrity="sha384-
```

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```
J6qa4849blE2+poT4WnyKhv5vZF5SrPo0iEjwBvKU7imGFAV0wwjlYf0RSJoZ+n"
crossorigin="anonymous"></script>
<script
src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.m
in.js" integrity="sha384-
Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo"
crossorigin="anonymous"></script>
<script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/js/bootstrap
.min.js" integrity="sha384-
wfSDF2E50Y2D1uUdj003uMBJnjuUD4Ih7YwaYdliqfktj0Uod8GCExl3Og8ifwB6"
crossorigin="anonymous"></script>
</body>
```

3. Configure the layout of the page **body** area using the Bootstrap's basic layout element, **container** to **replace** the `<div id="wrapper">` with Bootstrap's layout class named `container`.

```
<body>
<div class="container">

</div> <!--end of body container ->
</body>
```

Reference: <https://getbootstrap.com/docs/4.4/layout/overview/#containers>

4. Modify the header using Bootstrap CSS *blog-header* class, set padding top and bottom to size 5 (*py-5*), and center aligned **h1**'s text on all viewport sizes (*text-center*):

```
<header class="blog-header py-5">
  <h1 class="text-center">Path of Light Yoga Studio</h1>
</header>
```

References:

<https://getbootstrap.com/docs/4.4/examples/blog/> (blog-header)

<https://getbootstrap.com/docs/4.4/utilities/spacing/#how-it-works> (py-5)

<https://getbootstrap.com/docs/4.4/utilities/text/#text-alignment> (text-center)

5. Modify the **navigation menu** `<nav>` `</nav>` using Bootstrap **navbar** component:
- Copy the class name and sample codes from the following reference link, modify the codes of navbar to include all the navigation links for Path of Light Yoga Studio's website:

Reference: <https://getbootstrap.com/docs/4.4/components/navbar/#nav>

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```
<nav class="navbar navbar-expand-lg navbar-light bg-light">  
  
</nav>
```

- b. Update the **navbar-brand's** name, 'Navbar' with the "Path of Light Yoga Studio" name.

```
<a class="navbar-brand" href="index.html">Path of Light Yoga  
Studio</a>
```

- c. Adding a new logo image, "yogalogotn.jpg" before the **navbar-brand's** name, "Path of Light Yoga Studio". Set the image size to **30 pixels** of *width* and **30 pixels** of *height*.

```
<a class="navbar-brand" href="index.html">  
  
Path of Light Yoga Studio  
</a>
```

- d. Replace the # in the `` with the **navigation links**:

- i. "HOME" links to **index.html**
- ii. "SCHEDULE" links to **schedule.html**
- iii. "SIGN UP" links to **signup.html**
- iv. "LOGIN" links to **login.html**

- e. Use **active** state to indicate the **current page**. For examples:

index.html is set as the **active** and current link for Home page:

```
<li class="nav-item active">  
  <a class="nav-link" href="index.html">  
    HOME <span class="sr-only">(current)</span>  
  </a>  
</li>
```

schedule.html is set as the **active** and current link for Schedule page:

```
<li class="nav-item active">  
  <a class="nav-link" href="schedule.html">  
    SCHEDULE <span class="sr-only">(current)</span>  
  </a>  
</li>
```

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6. Configure the page footer area using Bootstrap **container**.
 - a. Add a **horizontal line** before the footer information. Explore the **Bootstrap Text utilities** to use the Bootstrap CSS classes for **italicize text** and **center aligned text** on all viewport sizes in the **<footer>** tag.

```
<footer class="container text-center font-italic">  
<hr>  
Copyright &copy; 2020 Path of Light Yoga Studio<br>  
<a href="mailto:info@pathoflight.com.my">info@pathoflight.com.my</a>  
</footer>
```

Reference: <https://getbootstrap.com/docs/4.4/utilities/text/#font-weight-and-italics>

7. Add the following codes at **<head>** section to over to **OVERRIDE** the bootstrap.css style for **header** (change the background-color and include a background-image) and **footer** (change the *background-color*):

```
<head>  
  <style type="text/css">  
    header{  
      background-color: #9BC1C2;  
      background-image: url(lilyheader.jpg);  
      background-repeat: no-repeat;  
      background-position: right;  
    }  
  </style>  
  
  footer {  
    background-color: #9BC1C2;  
  }  
</head>
```

8. Save the index.html file, and test it in a browser. Figure 1 shows a new home page (index.html) after using Bootstrap CSS styles.
9. Repeat this to all html files: schedule.html, signup.html, login.html.

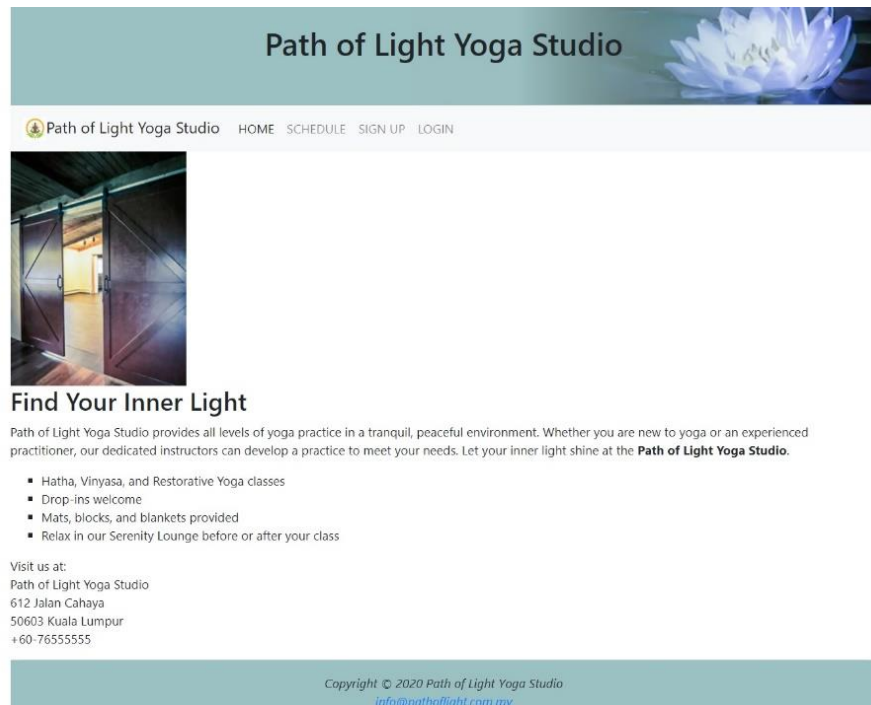


Figure 1: New Path of Light Yoga Studio's index.html after using Bootstrap CSS

Task 3: The Home Page

Launch a text editor, and open the **index.html** file. You will **modify** this file to apply styles from the Bootstrap.css as follows:

1. Create a new `<div>` with the Bootstrap's class **jumbotron** component to create a larger container for the main content which include the door image and description of Path of Light Yoga Studio. Set the top margin-top spacing of the jumbotron to size 3 (mt-3):

```
<main>
<div class="jumbotron mt-3">

    (codes for <img>, <h2>, <p>, <ul> and address information)

</div> <!-- end of jumbotron-->
</main>
```

References:

<https://getbootstrap.com/docs/4.4/components/jumbotron/> (jumbotron)

<https://getbootstrap.com/docs/4.4/utilities/spacing/> (mt-3)

2. Configure the image (yogadoor.jpg) in the `` tag by replace the CSS class “floatleft” in the `` tag using Bootstrap’s **Float** component class “float-left” and **Spacing** utility class to set padding to size 2 (p-2).

```

```

Reference: <https://getbootstrap.com/docs/4.4/utilities/float/>

3. Create a new `<div>` for the studio motto (`<h2>`), description (`<p>`), and list of yoga classes (``) using the Bootstrap Layout’s Container class, “container” and Utilities class, “clearfix” to clear the floats.

```
<div class="container clearfix">

    (codes for <h2>, <p>, <ul>)

</div> <!-- end of studio description container-->
```

Reference: <https://getbootstrap.com/docs/4.4/utilities/text/#font-weight-and-italics>

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- Configure the paragraph of studio's description <p> using the typography using Bootstrap class, "lead" and justify the text (text-justify). Use element to set **studio's name** to **bold text** with Bootstrap class, "font-weight-bold".

```
<p class="lead text-justify">
<span class="font-weight-bold">Path of Light Yoga Studio</span> provides
all levels of yoga practice in a tranquil, peaceful environment. Whether
you are new to yoga or an experienced practitioner, our dedicated
instructors can develop a practice to meet your needs. Let your inner
light shine at the <span class="font-weight-bold">Path of Light Yoga
Studio</span>.
</p>
```

References:

<https://getbootstrap.com/docs/4.4/content/typography/#lead> (lead)

<https://getbootstrap.com/docs/4.4/utilities/text/#text-alignment> (text-justify)

- Configure the unordered list of yoga classes using Bootstrap class, "list-unstyled" to remove the default list-style and left margin on list items. Remove the "type="square".

```
<ul class="list-unstyled"> <!--Remove type="square" -->
  <li>Hatha, Vinyasa, and Restorative Yoga classes</li>
  <li>Drop-ins welcome</li>
  <li>Mats, blocks, and blankets provided</li>
  <li>Relax in our Serenity Lounge before or after your class</li>
</ul>
```

Reference: <https://getbootstrap.com/docs/4.4/content/typography/#unstyled> (list-unstyled)

- Create a new <div> for the address information using the Bootstrap Layout's Container class, "container" and Bootstrap Utilities classes, "bg-info" and "text-center" within the <div> element. Use element to set **studio's name** to **bold text** with Bootstrap class, "font-weight-bold".

```
<div class="container bg-info text-center">
Visit us at:<br>
<span class="font-weight-bold">Path of Light Yoga Studio</span><br>
612 Jalan Cahaya<br>
50603 Kuala Lumpur<br>
+60-76555555<br>
</div> <!-- end of address container-->
```

References: <https://getbootstrap.com/docs/4.4/utilities/colors/#background-color>

7. **Save** the **index.html** file, and **test** it in a browser. Your page should look similar to the one shown in Figure 2.

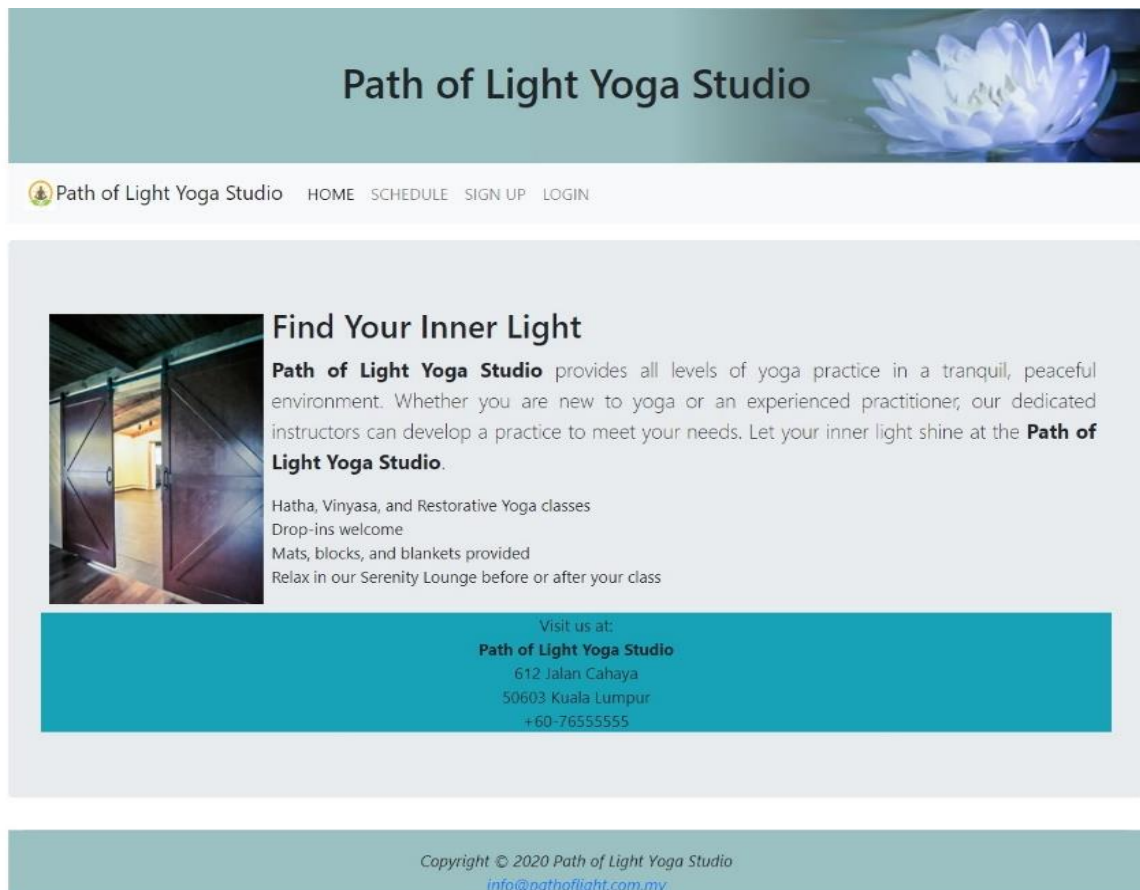


Figure 2: New Path of Light Yoga Studio's Home page

Task 4: The Schedule Page, Sign Up and Login Pages

1. Explore the Bootstrap CSS **Layout, Components, Utilities and Examples**. Use your creativity to apply suitable styles on the schedule.html, signup.html and login.html.

Reference links:


- Bootstrap Layout: <https://getbootstrap.com/docs/4.4/layout/overview/>
 - Bootstrap Content:
 - <https://getbootstrap.com/docs/4.0/content/reboot/>
 - <https://getbootstrap.com/docs/4.0/content/images/#aligning-images>
 - Bootstrap Components: <https://getbootstrap.com/docs/4.4/components/>
 - Forms: <https://getbootstrap.com/docs/4.4/components/forms/>
 - Input group: <https://getbootstrap.com/docs/4.4/components/input-group/>
 - Card: <https://getbootstrap.com/docs/4.4/components/card/>
 - Alerts: <https://getbootstrap.com/docs/4.4/components/alerts/>
 - Jumbotron: <https://getbootstrap.com/docs/4.4/components/jumbotron/>
 - Bootstrap Utilities: <https://getbootstrap.com/docs/4.4/utilities/>
 - <https://getbootstrap.com/docs/4.4/utilities/text/>
 - Bootstrap Examples: <https://getbootstrap.com/docs/4.4/examples/>
 - <https://getbootstrap.com/docs/4.4/examples/sign-in/>
2. Save the html files after implementing Bootstrap CSS styles, and test it in a browser.
 3. Figures 3 to 5 shows sample Schedule page (schedule.html), Sign up page (signup.html) and Login page (login.html) after using Bootstrap CSS styles for your reference.

NOTE:

Your designs do not need be same as the sample Schedule, Sign Up and Login web pages.

Path of Light Yoga Studio

Path of Light Yoga Studio HOME SCHEDULE SIGN UP LOGIN



Yoga Schedule

Mats, blocks, and blankets provided. Please arrive 10 minutes before your class begins. Relax in our Serenity Lounge before or after your class.

MONDAY — FRIDAY	SATURDAY & SUNDAY
Schedule <ul style="list-style-type: none">9:00am Gentle Hatha Yoga10:30am Vinyasa Yoga5:30pm Restorative Yoga7:00pm Gentle Hatha Yoga	SCHEDULE <ul style="list-style-type: none">10:30am Gentle Hatha Yoga12:00pm Vinyasa Yoga1:30pm Gentle Hatha Yoga3:00pm Vinyasa Yoga5:30pm Restorative Yoga

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Figure 3: New Path of Light Yoga Studio's Schedule page

Path of Light Yoga Studio

Path of Light Yoga Studio HOME SCHEDULE SIGN UP LOGIN

Sign Up as Studio Member

Please fill in this form to create an account. Required information is marked with an asterisk (*).

*Name:

*E-mail:

*Password:

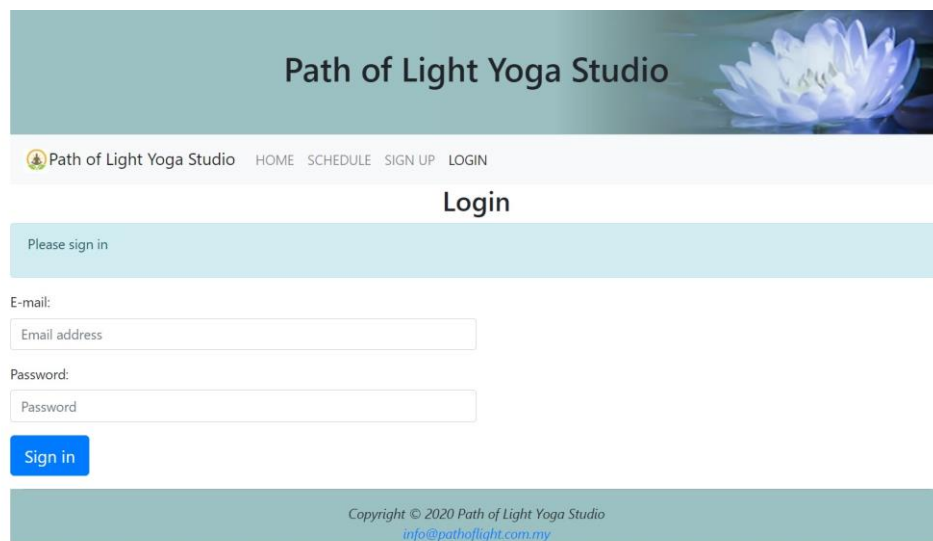
*Repeat Password:

Birthday:

Select your most favourite yoga class:

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Figure 4: New Path of Light Yoga Studio's Sign Up page



The image shows a web page for the Path of Light Yoga Studio. At the top, there is a header with the studio's name and a background image of a white lotus flower. Below the header is a navigation bar with links for HOME, SCHEDULE, SIGN UP, and LOGIN. The main content area is titled "Login" and contains a "Please sign in" prompt. Below this are two input fields: "E-mail:" with a placeholder "Email address" and "Password:" with a placeholder "Password". A blue "Sign in" button is positioned below the password field. At the bottom, there is a footer with copyright information: "Copyright © 2020 Path of Light Yoga Studio" and an email address "info@pathoflight.com.my".

Path of Light Yoga Studio

Path of Light Yoga Studio HOME SCHEDULE SIGN UP LOGIN

Login

Please sign in

E-mail:

Password:

Sign in

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Figure 5: New Path of Light Yoga Studio's Login page