Lab 01: Create a website for Path of Light Yoga Studio using HTML

Background of Path of Light Yoga Studio:

Path of Light Yoga Studio offers Gentle Hatha Yoga, Vinyasa Yoga and Restorative Yoga classes. The studio would like a website that shows the class studio and allow the students to book personal yoga classes.

A site map of the Path of Light Yoga Studio website is shown in Figure 1. The site map describes the architecture of the website, which consists of a "Home" page with three main content pages: "Schedule", "Booking" and "Reservations".
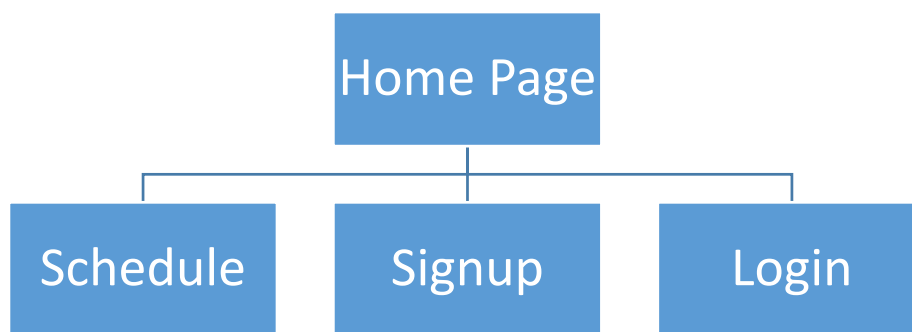

Figure 1: SE Club's site map

Task 1: Create a folder

Create a folder on your hard drive or portable storage device (USB or SD card) called "**yoga1**" to contain your Path of Light Yoga Studio website's HTML files.

Task 2: The Home Page.

You will use a text editor to create the Home page for the Path of Light Yoga Studio website. The Home page is show in Figure 2.
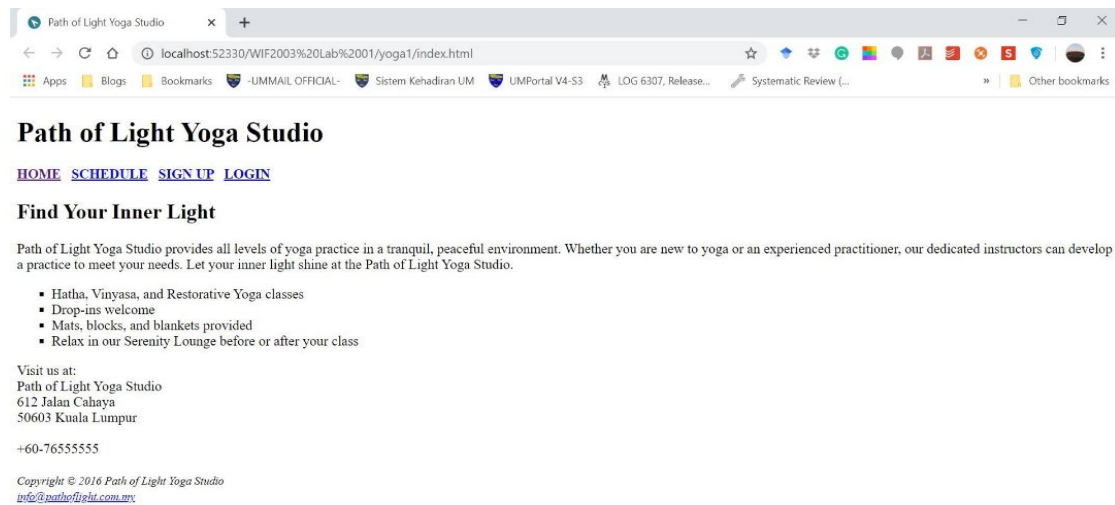

Figure 2: Path of Light Yoga Studio's index.html

Launch a text editor, and create a web page with the following specifications:

1. Name the page as "index.html" and save it in the "yoga1" folder.
2. HTML Head - Web Page Title
   a. Type a page title for the new page using <title> and </title> tags. Use a descriptive page title. The studio name, "Path of Light Yoga Studio Club" is a good choice for a company website.
3. HTML Body: In the HTML Body, structure your web page body into 4 parts: Header, Navigation, Main Content and Footer (see Figure 3).
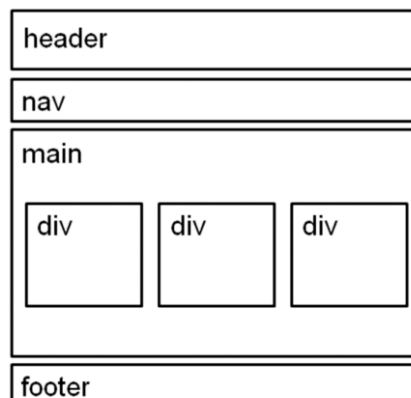

Figure 3: HTML5 Structural Elements

4. HTML Body - Wireframe Header
   a. Configure the main content within a **<header>** element.

    b. Use <h1> for the studio logo (text: "Path of Light Yoga Studio").

5. HTML Body - Wireframe Navigation
   a. place the navigation links (Home Schedule Register Login) within a **<nav>** element. Using code **anchor tags** to create the hyperlinks and add extra blank spaces between the hyperlinks with the ** ** special character.
   b. "HOME" links to index.html
   c. "SCHEDULE" links to events.html
   d. "SIGNUP" links to signup.html
   e. "LOGIN" links to login.html

6. HTML Body - Wireframe Main Content.
   a. Configure the main content within a **<main>** element.
   b. Use **<h2>** to list the motto of Path of Light Yoga Studio (motto text: Find Your Inner Light)
   c. Code the following information within a **<div>** element. Add a paragraph (name of studio should be formatted as strong and italic):

   "Path of Light Yoga Studio 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 ***Path of Light Yoga Studio."***

   d. Configure the following content in an unordered list (square bullet):
      - Hatha, Vinyasa, and Restorative Yoga classes
      - Drop-ins welcome
      - Mats, blocks, and blankets provided
      - Relax in our Serenity Lounge before or after your class

   e. Code the following address information within a **<div>** element. Use **line break tags
** to help you configure this area and add extra space between the address and the footer area. The text "Visit us at":
      Visit us at:
      Path of Light Yoga Studio

> 612 Jalan Cahaya
>
> 50603 Kuala Lumpur
>
> +603-76555555

7. HTML Body - Wireframe Footer.

   a. Configure the following copyright and email link information within a **\<footer\>** element. Format it with **small** text size and **italics** font style.

   > *Copyright © 2020 Path of Light Yoga Studio*
   >
   > *info@pathoflight.com.my*

Task 3: The Schedule page

Create the **Schedule** page shown in Figure 4.

Open the **index.html** page for the SE Club website in a text editor. Select File > Save As, and save the file with the new name of "**schedule.html**" in the yoga1 folder. Now you are ready to edit the page.
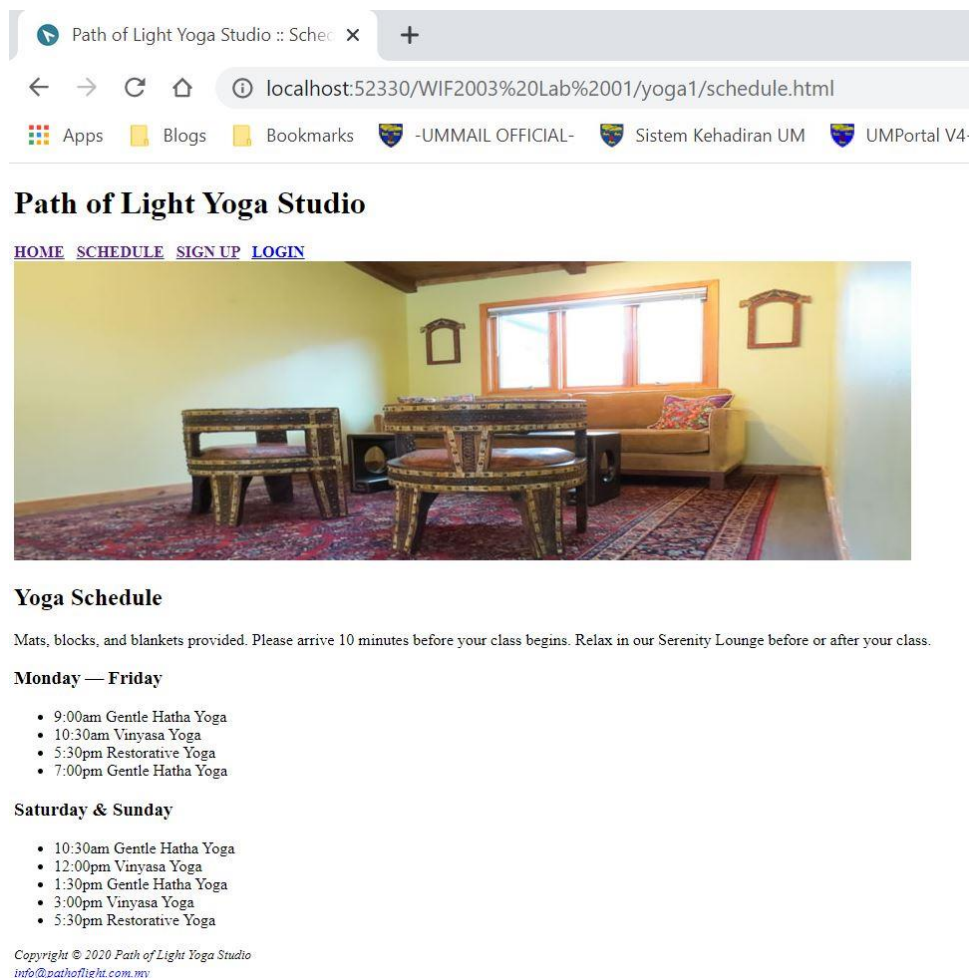

Figure 4: Path of Light Yoga Studio's schedule.html

1. HTML Head - Web Page Title
   a. Modify the page title for the new page using <title> and </title> tags to the following: "Yoga Schedule"

2. HTML Body - Wireframe Main Content
   a. Modify <h2> to "Upcoming Events"
   b. Delete the Home page content paragraph and address information.
   c. Add a new image (yogalounge.jpg) in the <main> area. Set the alternate text as "yoga lounge", width as "900" and height as"300".
   d. Add the first schedule title with the <h3> text "Monday — Friday" and the following schedule as unordered list:

Monday — Friday
- 9:00am Gentle Hatha Yoga
- 10:30am Vinyasa Yoga
- 5:30pm Restorative Yoga
- 7:00pm Gentle Hatha Yoga

e. Add the schedule schedule title with the <h3> text "Saturday & Sunday" and the following schedule as unordered list:

Saturday & Sunday
- 10:30am Gentle Hatha Yoga
- 12:00pm Vinyasa Yoga
- 1:30pm Gentle Hatha Yoga
- 3:00pm Vinyasa Yoga
- 5:30pm Restorative Yoga

3. Test the hyperlink from the **schedule.html** page to **index.html**. Test the hyperlink from the **index.html** page to **schedule.html**. If your links do not work, review your work, paying close attention to these details:
   a. Verify that you saved the pages with the correct names in the correct folder.
   b. Verify your spelling of the page names in the anchor tags.
   c. Test again after you make changes.

Task 4: The Sign Up page

Create the **Sign Up** page shown in Figure 5.

Open the **index.html** page for the Path of Light Yoga Studio's website in a text editor. Select File > Save As, and save the file with the new name of "**signup.html**" in the yoga1 folder. Now you are ready to edit the page.

Figure 5: Path of Light Yoga Studio's signup.html

1. HTML Head - Web Page Title
   a. Modify the page title for the new page using <title> and </title> tags to the following: "Sign Up"

2. HTML Body - Wireframe Main Content
   a. Modify <h2> to "Sign Up as Studio Member"
   b. Delete the Home page content paragraph.
   c. Add a paragraph: "Please fill in this form to create an account. Required information is marked with an asterisk (*)."
   d. Create a login form using the HTML <form> element to collect user input:
      i. Add the form attributes: method="post", action="/sign-in-url"
      i. Add the following **labels** and **input**s:
         - ***Name:** using *text* input type
         - ***E-mail:** using *email* input type
         - ***Password:** using *password* input type
         - ***Repeat Password:** using *password* input type
         - **Birthday:** using *date* input type
         - **Select your most favourite yoga class:** using select input type, a dropdown list that provides 3 options: Gentle Hatha Yoga, Vinyasa Yog, Restorative Yoga

      ii. Add a submit button with the value "Sign Up"

iii. Add 'required' attribute to validate a required input is not empty

NOTE: Use **div element <div>** to help you configure the form and create divisions between inputs.

3. Test the hyperlink from the **signup.html page** to **index.html**. Test the hyperlink from the **index.html** page to **signup.html**. If your links do not work, review your work, paying close attention to these details:
   a. Verify that you saved the pages with the correct names in the correct folder.
   b. Verify your spelling of the page names in the anchor tags.
   c. Test again after you make changes.

Task 5: The Login page

Create the **Login** page shown in **Figure 6**.

Open the **index.html** page for the Path of Light Yoga Studio's website in a text editor. Select File > Save As, and save the file with the new name of "**login.html**" in the yoga1 folder. Now you are ready to edit the page.
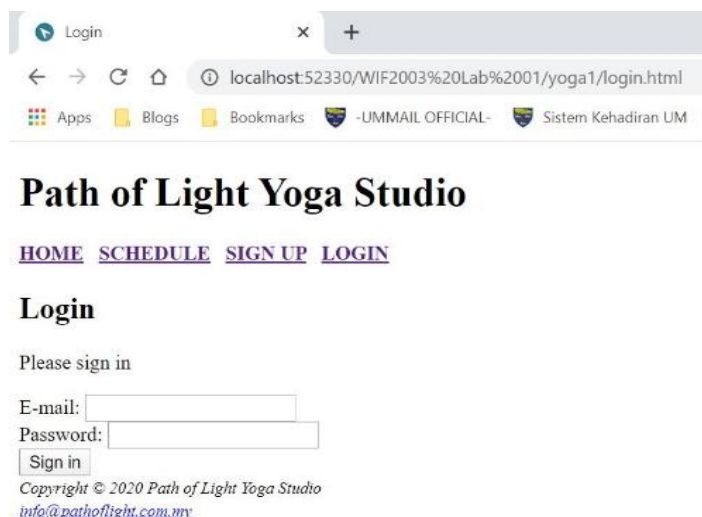

Figure 6: Path of Light Yoga Studio's login.html

4. HTML Head - Web Page Title
    a. Modify the page title for the new page using <title> and </title> tags to the following: "Login"

5. HTML Body - Wireframe Main Content
    a. Modify <h2> to "Login"
    b. Delete the Home page content paragraph.
    c. Add a paragraph: "Please sign in"
    d. Create a login form using the HTML <form> element to collect user input:
        i. Add the form attributes: method="post", action="/sign-in-url"
        iv. Add the following **labels** and **input**s:
            • **E-mail:** using *email* input type
            • **Password:** using *password* input type
        v. Add a submit button with the value "Sign in"

    NOTE: Use **div element <div>** to help you configure the form and create divisions between inputs.

6. Test the hyperlink from the **login.html page** to **index.html**. Test the hyperlink from the **index.html** page to **login.html**. If your links do not work, review your work, paying close attention to these details:
    a. Verify that you saved the pages with the correct names in the correct folder.
    b. Verify your spelling of the page names in the anchor tags.
    c. Test again after you make changes.