WIF2003 Web Programming

Lab 02: Implementing CSS for Path of Light Yoga Studio website

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 "**yoga2**" to contain your Path of Light Yoga Studio website files. Copy **all** the files from your Lab 1's folder (yoga1) into the yoga2 folder. Next, copy the **new image files** (lilyheader.jpg, yogadoor.jpg) into the yoga2 folder.

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

You will use a text editor to **create** a **new external cascading style sheet (CSS)**, save it as **yoga.css**. Figure 1 shows a "*Single Column Wireframe*" for this website, with a top header section, body section, navigation section, and a footer section. You will configure the CSS to implement a CSS Single Column Page Layout. Style sheets are composed of "rules" that describe the styling to be applied:

```
selector {
    property: value;
    anotherProperty: value;
}
```
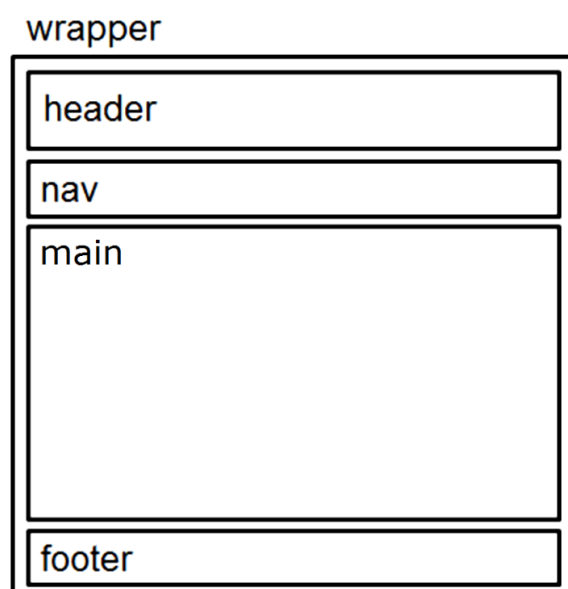

Figure 1: Single Column Wireframe of Path of Light Yoga Studio website

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<u>Code the yoga.css to configure the following:</u>

1. Configure **global styles** for the **body area** of web page with *background-color* #3F2860, *text color* #3F2860; and *font-family* Verdana, Arial, sans-serif.

   ```
   body {

   }
   ```

2. Configure for the **header section** with the *background-color* #9BC1C2, 150 pixels of *height*, *background-image* (lilyheader.jpg) and no repeat for *background-repeat* property and set *background-position* property to right.

   ```
   header {
   }
   ```

3. Configure the **h1** element selector with 50 pixels of *padding-top*, 2em of *padding-left*.

   ```
   h1 {

   }
   ```

4. Configure for the **navigation section** with center *text-align*, bold *font-weight*, 1em of *padding*.

   ```
   nav {

   }
   ```

5. Configure the **navigation hyperlinks (nav a)**. Use a contextual selector to add a new style rule for the anchor tags within the `nav`. Configure this selector with none for *text-decoration* (no underline on hyperlinks).

   ```
   nav a {

   }
   ```

6. Configure the **main section** with 2em of *padding-left*, 2em of *padding-right*, 2em of *padding-bottom* and *display* the element in main area as a block element (like <p>, it starts on a new line, and takes up the whole width).

   ```
   main {

   }
   ```

7. Configure the image, **img** element selector with 1em of *padding-left*, 1em of *padding-right* and center *text-align*.

   ```
   img {

   }
   ```

8. Configure the **footer section** with *background-color* #9BC1C2, small *font-size*, italic *font-style*, center *text-align* and 1em of *padding*.

   ```
   footer {

   }
   ```

9. A **wrapper** is commonly used to center a layout on the page. The wrapper keeps a layout from looking too wide or too narrow depending on the device or viewport width. Create a **new id** named '**wrapper**' for Path of Light Yoga Studio Website and set the styles: 80% *width*, set *margin-right* as auto, *margin-left* as auto, *background-color* #F5F5F5, *min-width* as 1000px, and *max-width* as 1280px.

```
#wrapper {

}
```

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 yoga.css external cascading style sheet as follows:

1. Add a `<link>` element to associate the web page with the `yoga.css` external cascading style sheet file. Save and test your **index.html** page in a browser and you will notice that the styles configured with the **body** and **h1** element selectors are already applied! (see Figure 2)

```
<head>
    <title>Path of Light Yoga Studio</title>
    <link rel="stylesheet" type="text/css" href="yoga.css">
</head>
```

2. Configure the page **body** area, add a `div` with `id` named `wrapper` to associate the web page's body area with the wrapper layout configured in the `yoga.css`.

```
<body>
<div id="wrapper">

</div>
</body>
```

3. Configure the page **footer** area. **Remove** `<small>` and `<i>` HTML elements, because the `font-size` and `font-style` for footer are configured in `yoga.css`.

4. **Update** `yoga.css` file to configure a new **class** element named '**floatleft**' that set the *float* property as left, 2em of *margin*. This class element will be used in the **index.html** file to style a new image (yogadoor.jpg).

```
.floatleft {

}
```

5. **Update** `yoga.css` file to configure a new **class** element named '**studio**' that use italic *font-style* and bold *font-weight*. This class element will be used in the **index.html** file to style the name of the studio.

```
.studio {

}
```

6. In **index.html** page, add a **new image (yogadoor.jpg)** in the **<main>** area, **before** the "Path of Light Yoga Studio provides all levels of yoga practice …." paragraph. Use the **CSS class "floatleft"** in the **<img>** tag of the new image **(yogadoor.jpg)**.

7. In **index.html** page, add an HTML **span** element to group the name of the studio "Path of Light Yoga Studio". Remove the `<strong><i>` HTML tags and use the **CSS class "studio"** in the **<span>** tag to style the studio name as italic.

```
<span class="studio"> Path of Light Yoga Studio</span>
```

8. **Save** the **index.html** file, and **test** it in a browser and you will notice that the styles configured in `yoga.css` are already applied. Your page should look similar to the one shown in Figure 2.
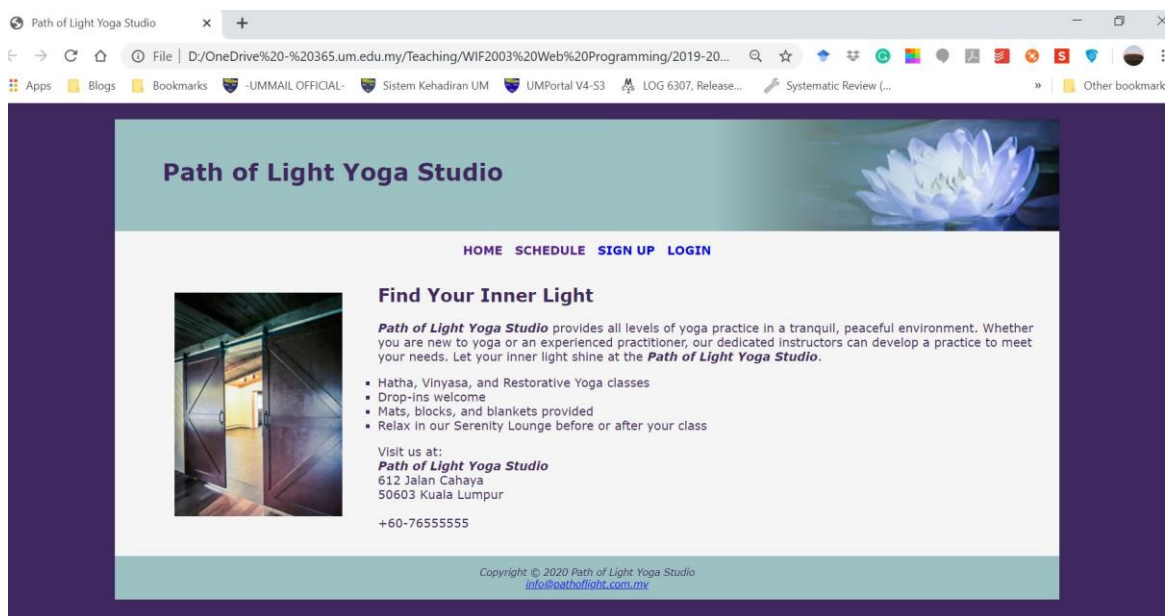

Figure 2: New Path of Light Yoga Studio's index.html

Task 4: The Schedule Page

Launch a text editor, and open the **schedule.html** file. You will **modify** this file to apply styles from the yoga.css external cascading style sheet as follows:

1. Add a `<link>` element to associate the web page with the `yoga.css` external cascading style sheet file.

   ```
   <head>
        <title>Path of Light Yoga Studio :: Yoga Schedule</title>
        <link rel="stylesheet" type="text/css" href="yoga.css">
   </head>
   ```

2. Configure the page **body** area, add a `div` with `id` named `wrapper` to associate the web page's body area with the wrapper layout configured in the `yoga.css`.

   ```
   <body>
   <div id="wrapper">


   </div>
   </body>
   ```

3. Configure the page **footer** area. **Remove** the `<small>` and `<i>` HTML elements, because the `font-size` and `font-style` are configured in `yoga.css`.

4. Update the **yoga.css** file to configure the **h3** element selector with *background-color* #A285FA, 5 pixels of *padding-top*, 20 pixels of *padding-left*, and 5 pixels of *padding-bottom*.

   ```
   h3 {

   }
   ```

5. **Save** the **schedule.html** page, and **test** it in a browser and you will notice that the styles configured in `yoga.css` are already applied. Your page should look similar to the one shown in **Figure 3**.
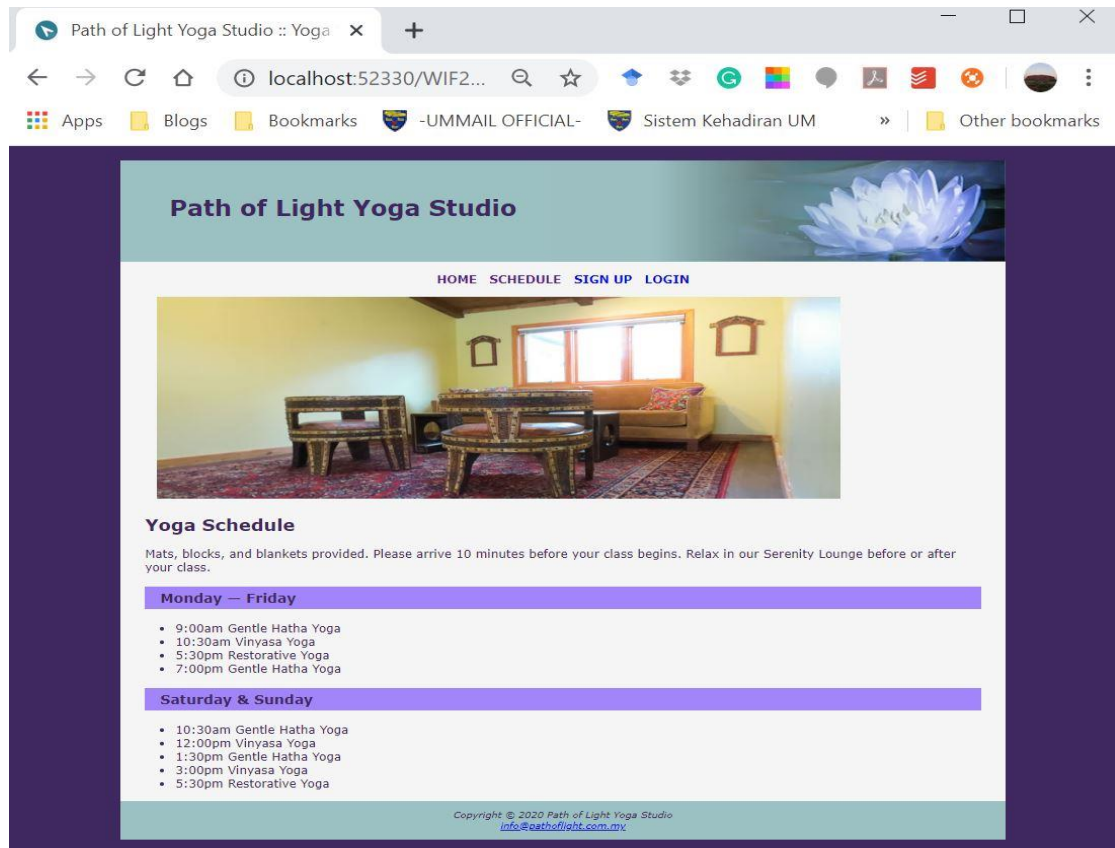
Figure 3: New Path of Light Yoga Studio's schedule.html

Task 5: The Sign Up Page

Launch a text editor, and open the **signup.html** file. You will **modify** this file to apply styles from the yoga.css external cascading style sheet as follows:

1. Add a `<link>` element to associate the web page with the `yoga.css` external cascading style sheet file.

   ```
   <head>
         <title>Sign Up</title>
         <link rel="stylesheet" type="text/css" href="yoga.css">
   </head>
   ```

2. Configure the page **body** area, add a `div` with `id` named `wrapper` to associate the web page's body area with the wrapper layout configured in the yoga.css.

   ```
   <body>
   <div id="wrapper">

   </div>
   </body>
   ```

3. Configure the page **footer** area. **Remove** the `<small>` and `<i>` elements, because the `font-size` and `font-style` are configured in yoga.css.

4. Update the **yoga.css** file to configure style the form's label, input, select element and form button:

   a. Configure the form element selector with 2em of padding. This element will be used in the signup.html file to style the form.

   ```
         form {      }
   ```

   b. Configure the **label** element selector that set *float* property to left, with right *text-align*, bold *font-weight*, 15em of *width*, 4em of *padding-left*, 1em of *padding-right* and *display* the element as a block.

   ```
         label {     }
   ```

   c. Configure the **input, select** element selector with 2em of *margin-bottom* and *display* the element as a block.

   ```
         input, select {        }
   ```

   d. Configure a new element selector **id** named "**newSubmit**" with 20em of *margin-left*. This id element will be used in the signup.html file to style the form button.

   ```
         #newSubmit {           }
   ```

5. Update the **signup.html** page, use the CSS **id "newSubmit"** in the **submit button** of the signup form. The form, label, input and select elements are configured in `yoga.css`.

```
<input type="submit" id="newSubmit" value="Sign Up">
```

6. **Save** the **signup.html** page, and **test** it in a browser and you will notice that the styles configured in `yoga.css` are already applied. Your page should look similar to the one shown in **Figure 4**.

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

Task 6: The Login Page

Launch a text editor, and open the **login.html** file. You will **modify** this file to apply styles from the yoga.css external cascading style sheet as follows:

1. Add a `<link>` element to associate the web page with the yoga.css external cascading style sheet file.

   ```
   <head>
           <title>Sign Up</title>
           <link rel="stylesheet" type="text/css" href="yoga.css">
   </head>
   ```

2. Configure the page **body** area, add a `div` with `id` named `wrapper` to associate the web page's body area with the wrapper layout configured in the yoga.css.

   ```
   <body>
   <div id="wrapper">

   </div>
   </body>
   ```

3. Configure the page **footer** area. **Remove** the `<small>` and `<i>` elements, because the `font-size` and `font-style` are configured in yoga.css.

4. Update the **login.html** page, use the CSS **id "newSubmit"** in the **submit button** of the login form. The form, label, input, and select elements are configured in `yoga.css`.

5. **Save** the **login.html** page, and **test** it in a browser and you will notice that the styles configured in `yoga.css` are already applied. Your page should look similar to the one shown in **Figure 5**.
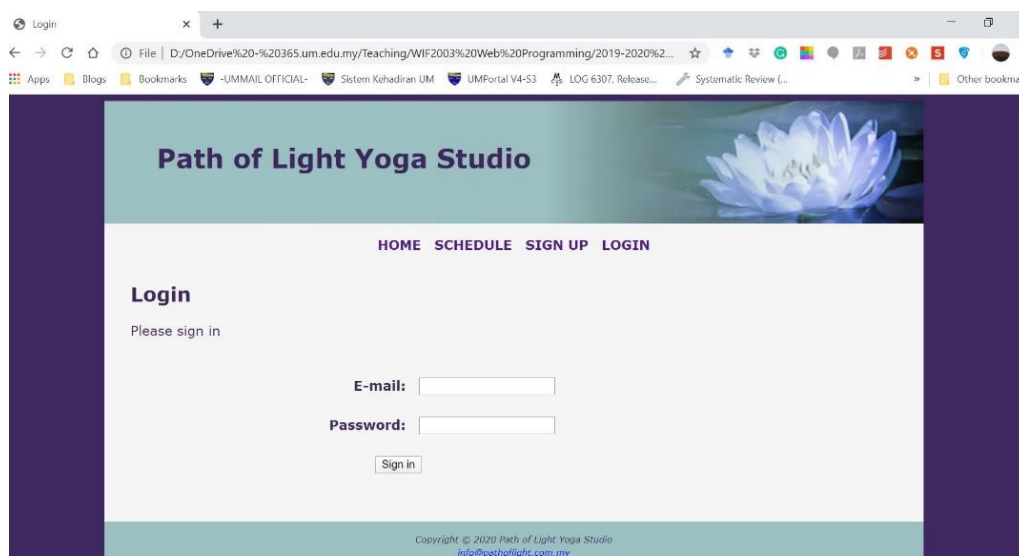

Figure 5: New Path of Light Yoga Studio's login.html

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