Week 10 Tutorial

Source: Adapted and modified from Minnick, J (2017). Web design with HTML5 & CSS3: Comprehensive Shelly Cashman Series. (8th ed.). : Cengage Learning. ISBN 9781305578166

This tutorial includes Exercise 10 only. This tutorial is part of your assessment task 1. Please submit your completed work in ZIP format onto Moodle.

Note: Submit your ZIP file in your respective lecturer's tutorial submission link for marking and feedback.

Exercise 10: Add Social Media and JavaScript to a Webpage

Instructions: In this work, you will make the Forward Fitness Club website more engaging by adding social media icons and links to every page within the website. You also add interactivity to the home page, the About Us page, and the Contact Us page using JavaScript. First, you copy the image files to your image folder. Next, you add social media images and links within the footer element on each webpage and style the social media icons to improve their appearance. Next, you create your first JavaScript code to create a pop-up message on the home page. After copying the script folder to your fitness folder, you create an external JavaScript file that contains four functions. Finally, you reference the external JavaScript file within the Contact Us and the About Us pages. Figure 10-1 shows the Classes page with the social media icons at the bottom of the page. Figure 10-2 shows the pop-up message on the home page. Figure 10—3 shows the new window that opens a result of JavaScript function.

Group Fitness Class Schedule

Class	Days	Times	Instructor	Room
Cardio	Mon, Wed, Fri	6:00am, 6:00pm	Schultz	B
Boot Camp	Tue, Thu	5:00am, 5:00pm	Taylor	B
Spinning	Tue, Thu	6:00am, 6:00pm	Roberts	A
Kickboxing	Mon, Wed, Fri	8:00am, 7:15pm	Lawrence	A
Yoga	Tue, Thu	6:00am, 6:00pm	Schultz	B
Zumba	Mon, Wed, Fri	7:00am, 6:00pm	Roberts	A

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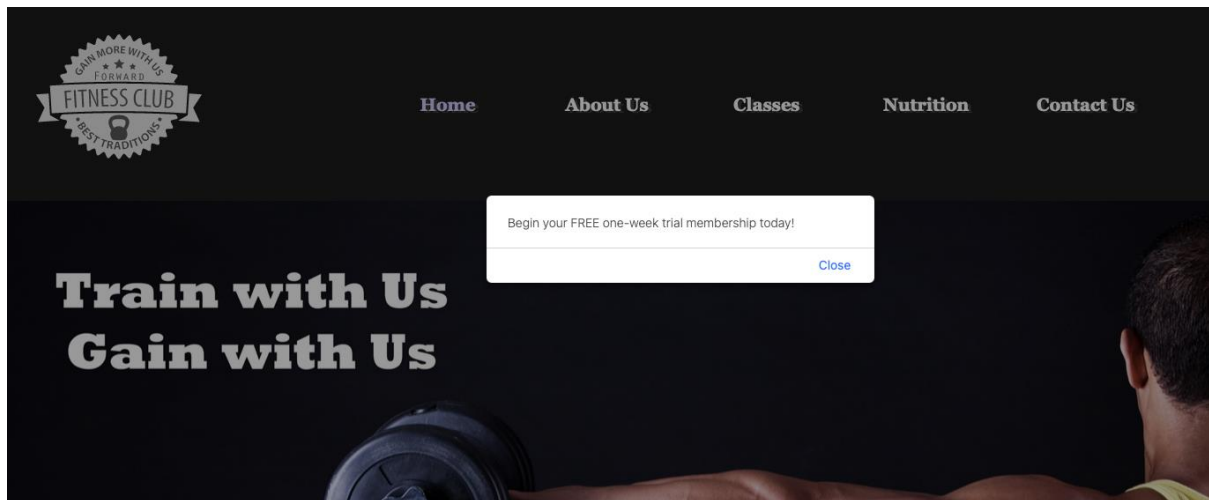forwardfitness@club.net

Connect with us:

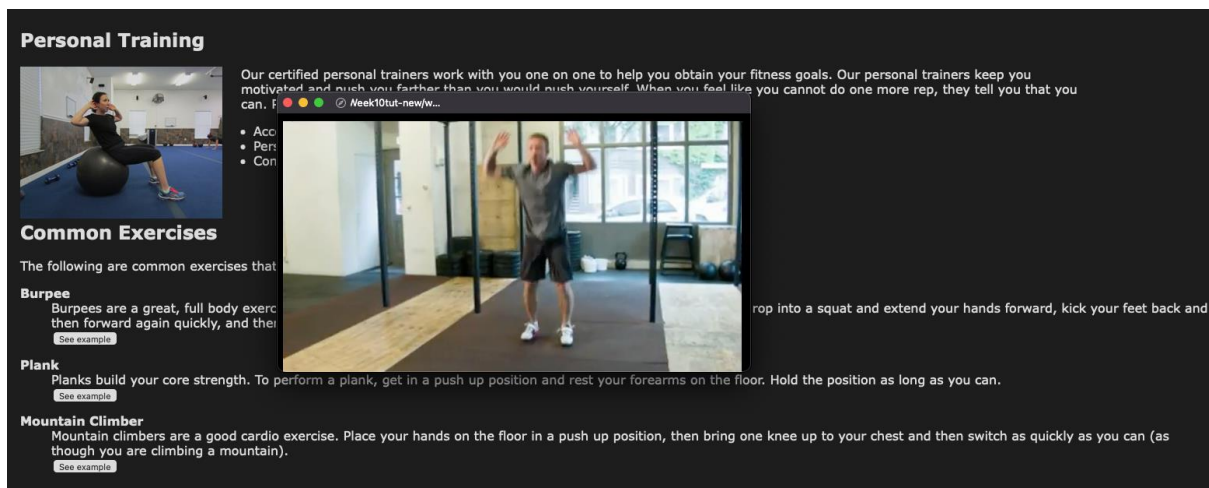Figure 10-1

Figure 10-2

Figure 10-3

Perform the following tasks:

1. **Insert social media icons and links**
   a. Copy the image files from the excercise10/fitness/image folder provided on Moodle Week 10 to fitness/images folder.
   b. Open **index.html** in your text editor and update the comment with today's date.
   c. Between the <footer> and </footer> tags, type the following

```
<div id="copyright">
  <p>&copy; Copyright 2015-2022. All Rights Reserved.<br>
  <a href="mailto:forwardfitness@club.net">forwardfitness@club.net</a></p>
</div>

<div id="social">
  <p>Connect with us:</p>
  <p><a href="https://www.facebook.com/fwdfitclub"><img
```

```
                src="images/fblogo.png" alt="Facebook logo"></a>
                <a href="https://twitter.com/fwdfitclub"><img
                src="images/twitterlogo.png" alt="Twitter logo"></a></p>
          </div>
```

d. Save your changes, open index.html in your browser, adjust the window to the size of a desktop viewport, and then scroll down to view the social media icons (Figure 10-4
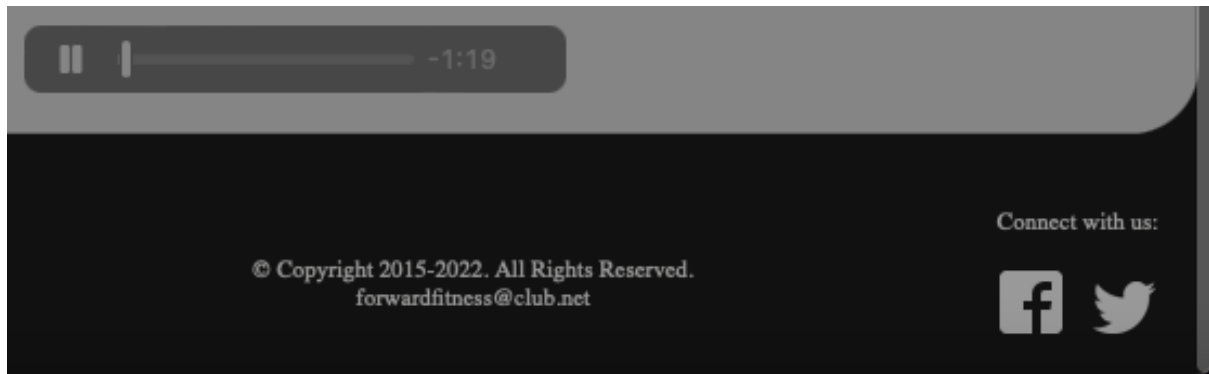

Figure 10-4

e. Tap or click the Facebook icon to display the Facebook page for the Forward Fitness Club (Figure 10-5)

Figure 10-5

f. **On the index.html file, copy the code between the <footer> and </footer> tags you typed in step 1.c above and open about.html, then paste the code between the <footer> and </footer> tags of this file. Save your change and close this file.**

g. **Repeat step a) above for the classes.html, contact.html, nutrition.html, and fitness.html files.**

2. **Create JavaScript alert message**
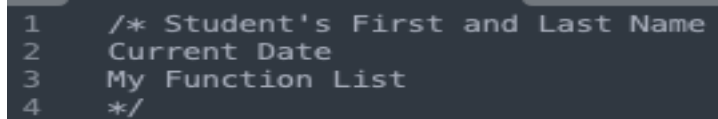   a. In the index.html file, within the <head> and </head> tags, below the `<meta name="viewport" content="width=device-width, initial-scale=1">,` type the following JavaScript code:

   ```
   <script>
        //Function displays alert box after two seconds
        setTimeout (function delay() {
        alert("Begin your FREE one-week trial membership today!")
        }, 2000);
   </script>
   ```

   b. Save index.html, open it in your browser, and then, if necessary, adjust the window to a desktop to viewport.
   c. Wait for two seconds to pass to display the alert box.
   d. Close your browser. Close index.html in your text editor.
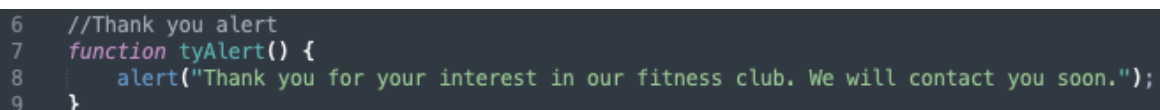3. **Create Functions in an external JavaScript file**
   a. Use a text editor to create a new document.
   b. Name the document **myFunction.js** and save the file within the fitness/scripts folder.
   c. On Line 1 type **/* Student's First and Last Name** to insert the first line of a multiline comment.
   d. Press the ENTER key to insert a new Line 2, and then type today's date to insert the second line of multiline comment.
   e. Press the ENTER key to insert a new Line 3, and then type **My Function List** to insert the third line of a multiline comment.
   f. Press the ENTER key to insert a new Line 4, and then type ***/** to close the multiline comment (Figure 10-6).

   ```
   1    /* Student's First and Last Name
   2    Current Date
   3    My Function List
   4    */
   ```
   Figure 10-6

   g. Press the ENTER key twice to insert mew Lines 5 and 6, and then type **// Thank you alert** to insert a single line comment.
   h. Press the ENTER key to insert a new Line 7, and then type **function tyAlert() {** to create a new function.
   i. Press the ENTER key to insert a new Line 8, and then type **alert("Thank you for your interest in our fitness club. We will contact you soon.");** to insert an alert method.
   j. Press the ENTER key to insert a new Line 9, and then type **}** to insert a closing brace and save your changes (Figure 10-7).

   ```
   6    //Thank you alert
   7    function tyAlert() {
   8        alert("Thank you for your interest in our fitness club. We will contact you soon.");
   9    }
   ```
   Figure 10-7

   k. Continue to add more functions to this file. Tap or click at the end of Line 9 and press the ENTER key twice to insert new Lines 10 and 11.

l. On Line 11, type **// Burpees video window** to insert a comment.

m. Press the ENTER key to insert a new Line 12, and then type **function burpees() {** to create a new function.

n. Press the ENTER key to insert a new Line 13, and then type **window.open("scripts/burpees.html", "_blank", "width=610, height=360");** to insert a window open() method.

o. Press the ENTER key to insert a new Line 14, and then type **}** to insert a closing brace (Figure 10-8).

```
11    //Burpees video window
12    function burpees() {
13        window.open("scripts/burpees.html", "_blank", "width=610, height=360");
14    }
```

Figure 10-8

p. Now, tap or click at the end of Line 14 and press the ENTER key twice to insert new Lines 15 and 16.

q. On Line 16 type **// Plank video window** to insert a comment.

r. Press the ENTER key to insert a new Line 17, and then type **function plank() {** to create a new function.

s. Press the ENTER key to insert a new Line 18, and then type **window.open("scripts/plank.html", "_blank", "width=610, height=360");** to insert a window open() method.

t. Press the ENTER key to insert a new Line 19, and then type **}** to insert a closing brace (Figure 10-9).

```
16    //Plank video window
17    function plank() {
18        window.open("scripts/plank.html", "_blank", "width=610, height=360");
19    }
```

Figure 10-9

u. Tap or click at the end of Line 19 and press the ENTER key twice to insert new Lines 20 and 21.

v. On Line 21, type **// Mountain climber video window** to insert a comment.

w. Press the ENTER key to insert a new Line 22, and then type **function mtnClimber() {** to create a new function.

x. Press the ENTER key to insert a new Line 23, and then type **window.open("scripts/mtn.html", "_bank", "width=610, height=260");** to insert a window open() method.

y. Press the ENTER key to insert a new Line 24, and then type **}** to insert a closing brace (Figure 10-10). Save the file and then close it.

```
21    //Mountain climber video window
22    function mtnClimber() {
23        window.open("scripts/mtn.html", "_blank", "width=610, height=360");
24    }
```

Figure 10-10

z. Now all functions have been successfully created (Figure 10-11).

```
1    /* Student's First and Last Name
2    Current Date
3    My Function List
4    */
5
6    //Thank you alert
7    function tyAlert() {
8        alert("Thank you for your interest in our fitness club. We will contact you soon.");
9    }
10
11   //Burpees video window
12   function burpees() {
13       window.open("scripts/burpees.html", "_blank", "width=610, height=360");
14   }
15
16   //Plank video window
17   function plank() {
18       window.open("scripts/plank.html", "_blank", "width=610, height=360");
19   }
20
21   //Mountain climber video window
22   function mtnClimber() {
23       window.open("scripts/mtn.html", "_blank", "width=610, height=360");
24   }
```

Figure 10-11

4. **Call JavaScript functions**
   a. Open **contact.html** using your text editor.
   b. Tap or click at the end of Line 8 and press the ENTER key to insert a new Line 9.
   c. On Line 9, type **`<script src="scripts/myFunctions.js" type="text/javascript"></script>`** to insert a script element (Figure 10-12).

```
9        <script src="scripts/myFunctions.js" type="text/javascript"></script>
```
Figure 10-12

   d. On Line 69, tap or click to the right of the last attribute and value to prepare for adding an onclick even handler.
   e. Press the SPACEBAR and then type **`onclick="tyAlert()"`** to insert an event handler.
   f. Save your changes (Figure 10-13) and close **contact.html** file.

```
69           <input type="submit" id="submit" value="Submit" class="btn" onclick="tyAlert()">
```
Figure 10-13

   g. Open **about.html** using your text editor.
   h. Tap or click at the end of Line 8 and press the ENTER key to insert a new Line 9.
   i. On Line 9, type **`<script src="scripts/myFunctions.js" type="text/javascript"></script>`** to insert a script element (Figure 10-14).

```
9        <script src="scripts/myFunctions.js" type="text/javascript"></script>
```
Figure 10-14

   j. Tap or click at the end of Line 84 and then type **`<br>`** to insert a line break.

k. Press the ENTER key to insert a new Line 83, and then type **<button onclick="burpees()">See example</button>** to insert a button element (Figure 10-15).

```
82          <dd>Burpees are a great, full body exercise to increase your strength and
            endurance. Begin in a standing position, drop into a squat and extend your
            hands forward, kick your feet back and then forward again quickly, and then
            jump up from a squatted position.<br>
83          <button onclick="burpees()">See example</button>
84          </dd>
```

Figure 10-15

l. Tap or click at the end of Line 87 and then type **
** to insert a line break.
m. Press the ENTER key to insert a new Line 88, and then type **<button onclick="plank()">See example</button>** to insert a button element (Figure 10-16).

```
87          <dd>Planks build your core strength. To perform a plank, get in a push up
            position and rest your forearms on the floor. Hold the position as long as you
            can.<br>
88          <button onclick="plank()">See example</button>
89          </dd>
```

Figure 10-16

n. Tap or click at the end of Line 92 and then type **
** to insert a line break.
o. Press the ENTER key to insert a new Line 93, and then type **<button onclick="mtnClimber()">See example</button>** to insert a button element (Figure 10-17). Save your changes and close the file.

```
92          <dd>Mountain climbers are a good cardio exercise. Place your hands on the floor
            in a push up position, then bring one knee up to your chest and then switch as
            quickly as you can (as though you are climbing a mountain).<br>
93          <button onclick="mtnClimber()">See example</button>
94          </dd>
```

Figure 10-17

p. Now, all the works are done. You may now open **about.html** in your browser then scroll down to view the buttons within the description list. Tap or click the button for the burpees to display a video demonstration of the exercise.
q. Close the new window. Tap or click the button for the plank to display a video demonstration of the exercise.
r. Close the new window. Tap or click the button for the mountain climber to display a video demonstration of the exercise.

5. Save all files.
6. Submit your assignment in the format specified by your lecturer.