Practical Test II Version 3 (Best Cupcakes)

- Please watch this video to get a quick idea of what is required.
  https://www.dropbox.com/s/sp78fzs8dvrp7u8/practical_test_ii_version_3_video.mp4?dl=0
- You are given the basic project files (HTML), style (CSS), and script(JS). The HTML file has links to the style.css file, script.js file, as well as Bootstrap libraries, and jQuery. Further, the HTML file has a basic menu made with Bootstrap, and two cells made with col-sm-6.

Requirements

1. (Weight: 10%). Add the company icon (found in images/[cupcake_icon.png) in the top menu. Style it so that it looks approximately similar to the icon in Figure 1. Also, style "Best Cupcakes" so that it is bolded with a pink background color.

2. (Weight: 25%). Implement the form that is highlighted in red in Figure 1 on the left-hand side of the screen.
   The form has the following components:
   - Customer Name: It is an input with type=text
   - Count: It is an input with type=number
   - Type: It is a dropdown (select) with five values: None, Chocolate, Lemon, Pecan, and Strawberry.
   - Delivery Time: It is a dropdown (select) with four values: None, 12:00 PM, 12:30 PM, 1:00 PM, 1:30 PM, 2:00 PM, 2:30 PM, 3:00 PM, 3:30 PM, and 4:00 PM.
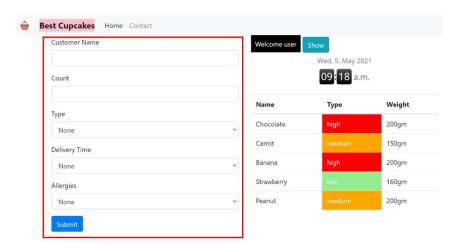   - Allergies: It is a dropdown (select) with three values: None, Dairy Free, and Nut Free.

Figure 1

3. (Weight: 30%). When the user clicks Submit, the form must be validated according to this logic:

o   The name is required and must be at least five characters long and at most 16 characters long.
o   The count is required and must be at least 1 and at most 15.
o   The user must choose a type (None is not accepted).
o   The user must choose an appointment time (None is not accepted).
o   If the user selects a chocolate cake and a dairy free option, we tell them that this type of cake is not dairy free. Similarly, when a pecan cake and nut free options are selected, we tell them that the pecan cake is not nut free.
o   If the user selects the "4 PM" and the "chocolate" cake options, we tell them that this type of cake cannot be delivered at 4 PM.

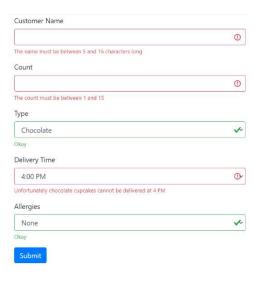**Write the validation code in the script.js file in the validate() function.**

Customer Name

The name must be between 5 and 16 characters long

Count

The count must be between 1 and 15

Type

Chocolate

Okay

Delivery Time

4:00 PM

Unfortunately chocolate cupcakes cannot be delivered at 4 PM

Allergies

None

Okay

Submit

Figure 2

4.   (Weight: 10%). You are given this JSON array in script/script.js
    var cup_cakes=[
        {"name":"Chocolate","calories":"high","weight":"200gm"},
        {"name":"Carrot","calories":"medium","weight":"150gm"},
        {"name":"Banana","calories":"high","weight":"200gm"},
        {"name":"Strawberry","calories":"low","weight":"160gm"},
        {"name":"Peanut","calories":"medium","weight":"200gm"}
    ];
    Write JS code in script/script.js to show the data in a table on the right-hand side. Also, show the high-calorie cells in red, medium-calorie cells in orange, and low-calorie cells in light green colors (see Figure 3).
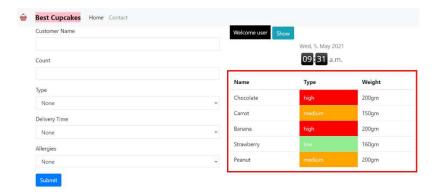
Figure 3

5. (Weight: 15%). Add a clock web service in the menu the top. See Figure 4. The clock should be according to the local time in your city based on this web service
https://www.zeitverschiebung.net/en/clock-widget?size=large&timezone=Asia/Dubai&type=city&id=292968
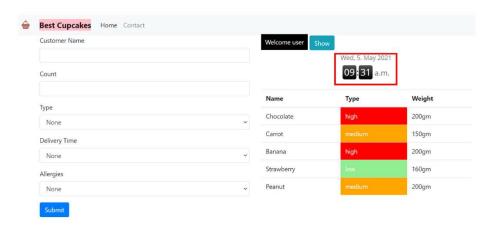

Figure 4

6. (Weight: 10%) Read the name from the form, store it in the local storage. When the user clicks the show button on the top-right corner, show a message welcome the user by his/her name (See Figure 4)

Figure 3

Write the validation code in the script.js file in the validate() and show_storage() functions

Submission: Submit the entire project, and compress it