Lab 05

Guidelines:

- Create separate HTML, CSS and JS file for each question.
- Each question should be added into separate folder with name format as "Lab05_01".
- Every HTML file should be in the format "Lab05_01.html".
- Every CSS file should be in the format "Lab05_01.css".
- Every JS file should be in the format "Lab05_01.js".
- The output of each question should match the provided image.
- 1. Create a HTML form, add CSS and validate using JavaScript.
 - a. Check Qn1.png or image below for form design.

Registration Form

Use tab keys to move from one input field to the next.

User id:	
Password:	
First Name:	
Address:	
Country:	(Please select a country) 🕶
ZIP Code:	
Email:	
Sex:	○ Male ○ Female
Language:	✓ English ☐ Non English
About:	
	Submit

- b. Check form-validation-using-js.gif on how the form validation should work. If you want a pausable option check the .mp4 video. They are found under resources/qn1 folder.
- c. Use alert and validate using JS. Validation should have the following criteria:
 - i. User id: Required, Must be of length 5 to 12.
 - ii. Password: Required, Must be of length 7 to 12.
 - iii. First name: Required, Should only be alphabets.

- iv. Address: Required, Should have only alphanumeric characters.
- v. Country: Required.
- vi. Zip Code: Required, Should only be numeric.
- vii. Email: Required, Should be a valid email.
- viii. Sex: Required.
 - ix. Language: Required.
 - x. About: Optional.
- d. The design should look exactly like in the image above.
- e. Use of separate css and js file is a must.
- 2. Write down a program to create a countdown timer.
 - a. The timer design should look like in the image below:



b. Once the time is entered the timer should show the time as below:

TIME (IN MINUTES) 10 START RESET COUNTDOWN TIMER 10: 00

- c. The timer should stop once it hits 0:00
- d. See the resources/qn2 folder for preview video and gif.
- e. Use of separate css and js file is a must.
- 3. Form value resetting using JavaScript.
 - a. This form is an extension from question1. Check the image below for form:

Registration Form

Use tab keys to move from one input field to the next.

User id:	
Password:	
Name:	
Address:	
Country:	(Please select a country) ✔
ZIP Code:	
Email:	
Sex:	○ Male ○ Female
Language:	☑ English ☐ Non English
About:	
	Submit

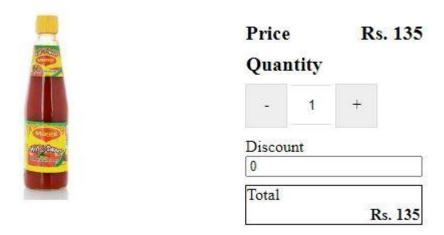
b. The value should be removed once Reset button is clicked.

Note: Do not use any html method to clear the form data. Pure JavaScript code should clear the form data.

- c. For further preview see resources/qn3 folder.
- d. Use of separate css and js file is a must.
- 4. Product Quantity Change using JavaScript.

a. Check the below image for the design:

Maggi Hot & Sweet Tomato Chilly Sauce 200G



- b. The design should exactly look like the above image. (Use of separate css and js file is a must).
- c. This image has a quantity selector and discount input.
- d. Discount if applied should be deducted from total cost.
- e. The price should be added into html field and accessed to JavaScript file.
- f. See the resource/qn4 folder for full preview of how the quantity selector works.
- 5. Create a multiplication table using JavaScript.
 - a. Check the image below for the design:

Multiplication table of 3

3	X 1 = 3
3	X 2 = 6
3	X3 = 9
3	X 4 = 12
3	X 5 = 15
3	X 6 = 18
3	X7 = 21
3	X 8 = 24
3	X 9 = 27
3	X 10 = 30

- b. The output in html should look exactly the same. (Use of separate css and js file is a must).
- c. Input the table and it's number from prompt.
- d. The calculation should be done using JavaScript, and the result should be displayed in the html file.