

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:

ZIP Code:

Email:

Sex: ☐ Male ☐ Female

Language: ☒ English ☐ Non English

About:

- 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:

TIME (IN MINUTES)

START

RESET

COUNTDOWN TIMER

timer here

- 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:

ZIP Code:

Email:

Sex: ☐ Male ☐ Female

Language: ☒ English ☐ Non English

About:

- 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



Price **Rs. 135**

Quantity

-	1	+
---	---	---

Discount

Total

Rs. 135

- 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 X 3 = 9
3 X 4 = 12
3 X 5 = 15
3 X 6 = 18
3 X 7 = 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.