Lab 5: HTML & CSS

Software Systems Development – Monsoon 2022

Date: 8th September 2022

Instructions:

- All your **CSS** files, HTML files, README.md are to be placed inside a folder named as **<your_roll_number>**.
- Compress the above-mentioned folder into **.zip** format.
- **Submit the zip file in Moodle before the deadline**, *for example –*
    - ***2021201060.zip****.*
        - → *Folder – 2021201060*
            - → *Files – HTML, CSS, README.*
- Push your code to GitHub repository as well.
    - Repo – IIITH_SSD
        - → Folder – ssd_lab_activity_5
            - → Files – HTML files, CSS files, and README.
- **README** file is mandatory.
- Please follow the above-mentioned submission format, else you will be awarded **0 (zero)** in this activity.

Total Marks: 20

Questions:

(Each question carries 10 marks.)

1. Create the following two pages fulfilling the given requirements: **[10]**

   (The styling of the pages is covered in the next question so you can focus only on the functionalities for this question)

   a. index.html: This will act as a login page.
      i. Provide Heading to the page. [1/2]
      ii. Two input fields – Username and Password. [1/2]
      iii. Login Button – when clicked, navigate the user to the next page (studentRecords.html). [2]
      iv. Place all the above elements in a common div container. [1/2]

   b. studentRecords.html: This page will contain a table containing roll no. and names of the students. Initially the table will be empty. The user should be able to add a new student entry and delete the last added entry using buttons.
      i. Provide a heading to the page. [1/2]
      ii. Table element consisting of 2 columns (Roll No. and Student Name) [1/2]
      iii. Two input fields with placeholders (“Roll No.” and “Student Name”). [1/2]

iv. "Add New" Button – Adds a child row to the table element mentioned in (ii). [3]
    1. The new row should contain the values from the input fields (in iii).
    2. The values in the input fields should be cleared after adding the new entry.
v. "Delete Last Record" Button – Deletes the last added entry from the table. [2]

2. Create a stylesheet called **style.css** and use it for the following styling: **[10]**

a. Login Page (index.html):

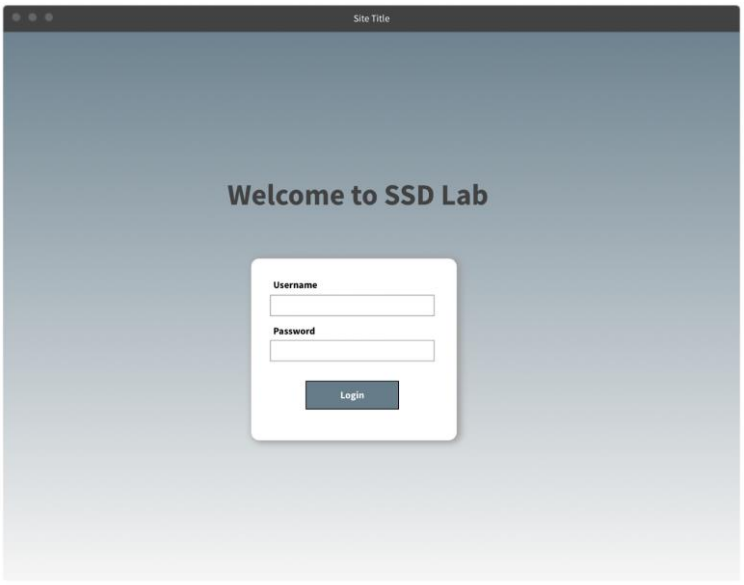
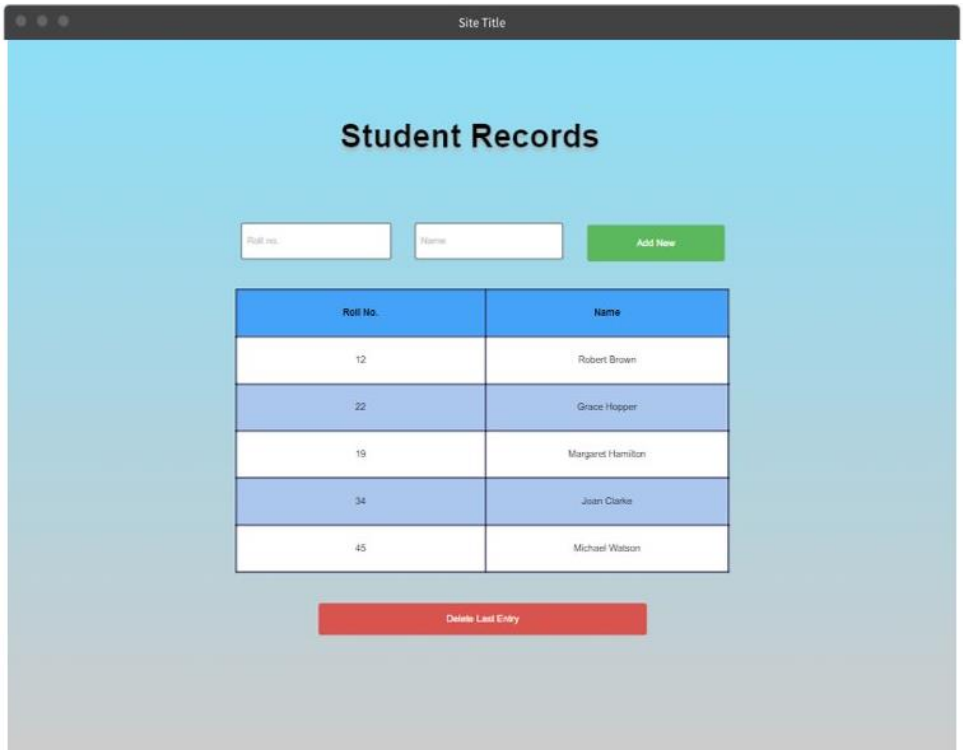
i. Position the common container containing all the elements to the center of the window. [2]
ii. Add any Background image/Background color. (Optional: Look for **linear gradient** to make it look elegant) [1]
iii. Box-shadow property around the login container. [1]
iv. Rounded corner of the login container. [1]
v. Change input field border color on hover. [1]

b. Students Records Page (studentsRecords.html):

i. Color the "Add New" button – **Green** and the "Delete Last Record" button - **Red**. [1]
ii. Add any background color/background image and change font family to **Arial**. [1]
iii. Add padding and border to the table. [1]
iv. Any background color to table's heading row. [1]
v. Zebra-striped table look. (Different background colors for alternate rows [Optional]

For References:

- index.html



- studentRecords.html