

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):

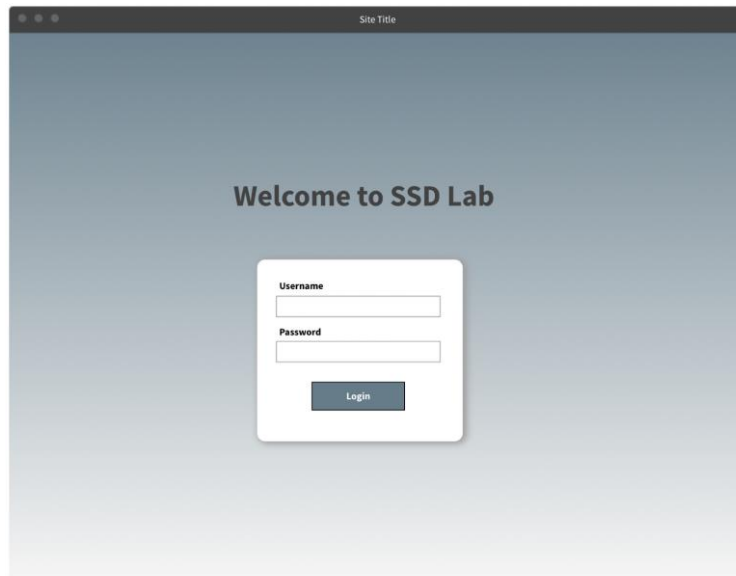
- i. Position the common container containing all the elements to the center of the window. [2]
- ii. Add any Background image/Background color. (Optional: Look for **linear gradient** to make it look elegant) [1]
- iii. Box-shadow property around the login container. [1]
- iv. Rounded corner of the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



A screenshot of a web browser window titled "Site Title". The page has a light blue gradient background. In the center, there is a white box containing a login form. The form has two input fields labeled "Username" and "Password", and a "Login" button below them.

Site Title

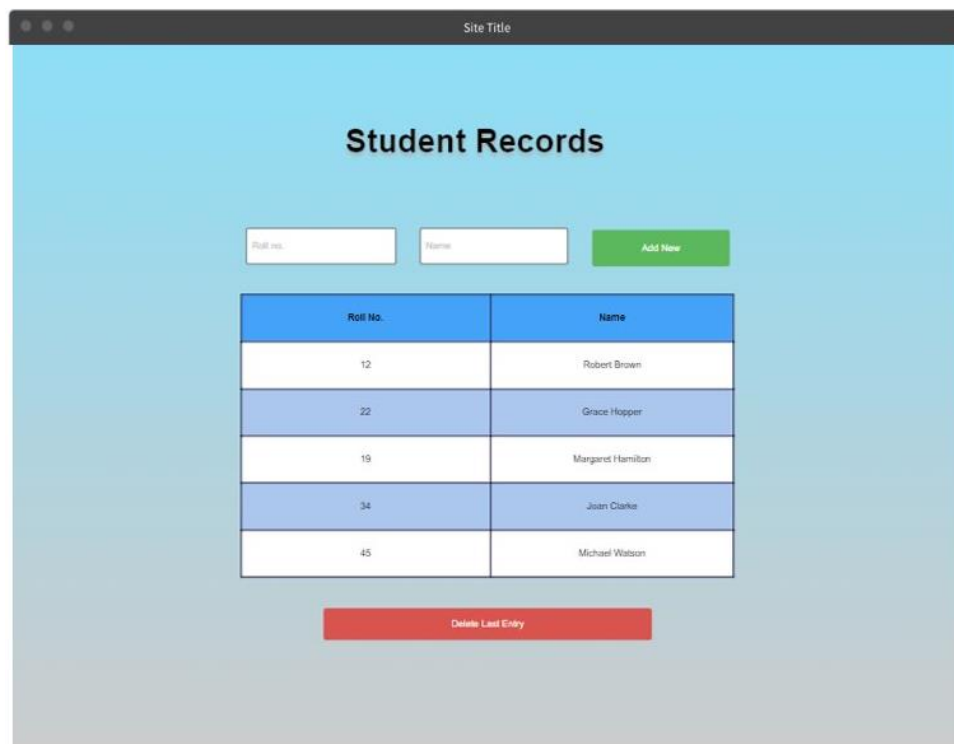
Welcome to SSD Lab

Username

Password

Login

- studentRecords.html



A screenshot of a web browser window titled "Site Title". The page has a light blue gradient background. At the top, there is a heading "Student Records". Below the heading, there are two input fields labeled "Roll no." and "Name", and a green "Add New" button. Below these fields is a table with two columns: "Roll No." and "Name". The table contains five rows of data. At the bottom of the page, there is a red button labeled "Delete Last Entry".

Site Title

Student Records

Roll no. Name [Add New](#)

Roll No.	Name
12	Robert Brown
22	Grace Hopper
19	Margaret Hamilton
34	Joan Clarke
45	Michael Watson

[Delete Last Entry](#)