

# Assignment: Student Registration System (100 marks)

## Objective:

Develop a student registration system where students can register their details, such as name, class, address, and contact number. Additionally, it provides functionalities for editing and deleting records.

## Evaluation Criteria:

### Task 1: Basic Structure (5 Marks)

- Create an HTML file named "index.html" with the basic structure of an HTML document.
- Set meaningful titles and include appropriate meta tags.

### Task 2: Header (5 Marks)

- Include a catchy title reflecting the system's purpose, such as "Student Registration System."
- Add a brief description summarizing the system's functionalities.

### Task 3: Form and Input Fields (5 Marks)

- Develop a form with input fields for student details, including Student name, student ID, email ID, and contact number. Ensure appropriate styling and layout for a better user experience.

### Task 4: Display Section (15 Marks)

- Please include a section to display registered student records. You can place it either on the same page or on a different page. If it's on a different page, please add a link to access it in the navigation bar.
- Display student details such as Student name, student ID, email ID, and Contact No. in a clear and organized manner. **Marks are awarded based on the responsiveness of the Display section.**

### Task 5: Styling and Design (20 Marks)

- Apply CSS styling to enhance the visual appeal of the registration system.
- Ensure proper spacing, alignment, and use of colors for better readability.

Ensure the entire page is fully responsive across three major screen sizes: mobile ( $\leq 640\text{px}$ ), tablet ( $641\text{px} - 1024\text{px}$ ), and desktop ( $\geq 1025\text{px}$ ).

### Task 6: JavaScript Functionality (40 Marks)

- Implement functionality to add new student records.
- Allow users to edit existing records.
- Provide options for deleting records.
- After refreshing the page data should not disappear ( you can use local storage).
- Validate input fields to ensure student ID and contact number accept only numbers, student name accepts only characters, and email accepts only valid email addresses. The **Contact Number accepts at least 10 digits**.
- Make sure the user can't add the empty row.
- Add a vertical scrollbar dynamically. (**With the use of JavaScript**)

### Task 7: Documentation and Comments (10 Marks)

- Organized file structure. **Avoid nested folder structure.**
- Creativity and Presentation.
- Include comments in the code to explain complex sections or logic.
- **Please upload your project to GitHub and provide the GitHub link.**  
Failure to do so will result in marks being deducted. **HTML, CSS, JS, and README must have their separate commit (A Single commit will lead to mark deduction)**  
**If you are using Tailwind CSS, then remove node\_modules before submission.**

### Assessment:

Marks will be assigned for each task based on adherence to guidelines, creativity, presentation, and overall quality of the system.

### Submission Guidelines:

- Submit a zip file containing all HTML files, CSS file, and JavaScript file.
- Ensure code readability and organization, including appropriate comments for complex sections.
- Use semantic HTML tags for better accessibility.
- Test the system thoroughly to ensure proper functionality.

## Sample Image:

### Student Registration System

Student Name :

Student ID :

Class :

Roll No. :

Name	ID	Class	Roll No.		
Arjun	001	5	1	<input type="button" value="View"/>	<input type="button" value="Delete"/>
Abhinav	002	5	2	<input type="button" value="View"/>	<input type="button" value="Delete"/>
Arjun	003	5	15	<input type="button" value="View"/>	<input type="button" value="Delete"/>
Arjun	004	5	10	<input type="button" value="View"/>	<input type="button" value="Delete"/>
Arjun	005	5	4	<input type="button" value="View"/>	<input type="button" value="Delete"/>

### Student Registration System

Student Name :

Student ID :

Class :

Roll No. :

Name	ID	Class	Roll No.		
Arjun	001	5	1	<input type="button" value="View"/>	<input type="button" value="Delete"/>
Abhinav	002	5	2	<input type="button" value="View"/>	<input type="button" value="Delete"/>
Arjun	003	5	15	<input type="button" value="View"/>	<input type="button" value="Delete"/>
Arjun	004	5	10	<input type="button" value="View"/>	<input type="button" value="Delete"/>
Arjun	005	5	4	<input type="button" value="View"/>	<input type="button" value="Delete"/>
Arjun	006	5	30	<input type="button" value="View"/>	<input type="button" value="Delete"/>