

DOCUMENTATION OF STUDENT REGISTRATION SYSTEM

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HTML STRUCTURE

The HTML file consists of a head and body section.

Head

- Includes metadata and links to external files.
- Title: Specifies the title of the webpage.
- Link: Adds a favicon.
- Script: Links the JavaScript file script.js.

Body

- **Header:** Contains the main title and description.

Student Registration System

Register, Edit, And Manage Student Details Efficiently

- **Form Section:**
 - A form for registering students with input fields for the student name, ID, email ID, and contact number.
 - Each input field is required.
 - A submit button to register the student.

Student Name:

Student ID:

Email ID:

Contact No.:

Register

- **Student Records Section:**
 - Displays registered students in a table format.
 - Contains columns for name, ID, email, contact number, and actions (edit and delete).

Registered Students

Name	ID	Email	Contact No.	Actions
Amritesh	27980	amritesh123@gmail.com	9798979898	<button>Edit</button> <button>Delete</button>
Akash	27981	akash123@gmail.com	9797969696	<button>Edit</button> <button>Delete</button>
Aman	27983	aman123@gmail.com	879087901	<button>Edit</button> <button>Delete</button>

Styles

- Basic styling for the body, header, forms, buttons, and the student records table to ensure a clean and user-friendly interface.

JavaScript

Event Listeners

- **DOM Content Loaded:** Sets up event listeners after the document has loaded.
- **Form Submit:** Prevents default form submission, validates inputs, and adds student records.

Functions

Validate Inputs(name, id, email, contact)

- Validates each input using regular expressions:
 - ID and contact should be numbers.
 - Name should only contain letters and spaces.
 - Email should be in a valid format.
- Alerts the user if any validation fails.

Add Student Record(name, id, email, contact)

- Creates a new table row for the student record.
- Appends it to the student records table.
- Calls save to local storage to store the record locally.

Save To Local Storage(name, id, email, contact)

- Retrieves existing student records from local storage.
- Adds the new student record.
- Stores the updated list back in local storage.

Load From Local Storage()

- Loads student records from local storage.
- Populates the table with these records.

Edit Student Record(button)

- Retrieves data from the table row associated with the edit button.
- Fills the form with the existing student details.
- Deletes the current row for editing.

Delete Student Record(button)

- Removes the student record from the table.
- Calls remove from local storage to delete the record from local storage.

Remove From Local Storage(id)

- Retrieves the student records from local storage.
- Filters out the student record with the specified ID.
- Stores the updated list back in local storage.