

# Student Registration System Documentation

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Batch: November 1<sup>st</sup>

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This assignment provided an opportunity to explore and apply the JavaScript knowledge gained. It was both **challenging and enjoyable** to work on. Through this assignment, I developed a better understanding of how to properly write and integrate JavaScript with HTML. With a few references from the internet, I was able to complete the assignment successfully, covering all the requirements and even adding some additional features.

## Assignment Files:

- index.html – Structure and layout of the webpage
- style.css – Styling elements using Violet and Orange shades
- index.js – Functional logic for the registration system

## Project Structure:

The **HTML design** consists of two main sections:

1. A **registration form** for student registration.
2. A **student details section** to display registered entries.

## Functionalities:

- **Registering new students**
- **Editing existing student details**
- **Deleting student details**

## Validations:

- Alerts the user when attempting to register with empty fields
- Ensures email ID, contact number, and student ID are in the correct format

## Additional Features:

- Displays an **alert** if an email ID, student ID, or contact number already exists
- Highlights empty input fields in **red** when attempting to register
- A success message will be shown after each successful register or update.
- Introduced new buttons while editing:
  - **"Confirm Changes"** to save updates
  - **"Cancel"** to discard modifications

Comments have been added to the code wherever necessary for better clarity and understanding.

This project has been a great learning experience, enhancing my understanding of JavaScript, form validation, and user interaction within a web application.