# Dynamic Student Table — Assignment 3

This project is a single-page interactive web application built with **HTML, CSS, and JavaScript**. It demonstrates dynamic table manipulation, event handling, and modal interactions as part of an assignment.

## Features

* **Student Table** with the following columns:
  + Expand arrow
  + Student number (ID)
  + Name
  + Teacher
  + Grade
  + Edit button (appears when row is selected)
  + Delete button (appears when row is selected)
* **Row Selection**
  + Checkboxes allow row selection.
  + Selected rows highlight in yellow.
  + Edit and Delete buttons are displayed only for selected rows.
* **Add New Student**
  + Adds a new student record with the **smallest missing student number**.
  + Shows a popup notification on success or error.
* **Delete Student**
  + Removes the row from the table.
  + Shows a popup message: Student X Record deleted successfully.
* **Edit Student**
  + Opens a **custom modal dialog** (not browser prompt).
  + The modal title includes the student ID (e.g., *Edit details of Student 2*).
  + If input field contains text and “OK” is clicked → popup: Student X data updated successfully.
  + Cancel closes the modal without changes.
* **Expand/Collapse Rows**
  + Green arrow expands/collapses an extra row with additional details.
* **Submit Button**
  + Disabled and gray on page load.
  + Enabled (orange) when at least one row is selected.
  + Clicking submit shows a popup with selected student names.

## File Structure

project/  
│-- index.html # Main webpage with HTML, CSS, and JavaScript  
│-- README.md # Documentation (this file)

## How to Use

1. Open index.html in a modern browser.
2. Use the **Add New Student** button to insert new rows.
3. Select rows using checkboxes to enable **Submit**, **Edit**, and **Delete** options.
4. Expand/collapse rows using the green arrow.
5. Edit records using the custom modal popup.

## Technologies Used

* **HTML5** for structure
* **CSS3** for styling
* **Vanilla JavaScript** for interactivity

## Requirements Fulfilled

✔ Display Full Name and NUID at the top  
✔ Table with thead, tbody, tfoot, and proper styling  
✔ Add, Edit, Delete student functionality  
✔ Expand/collapse rows with green arrow  
✔ Submit button disabled initially, enabled on selection  
✔ Modal-based editing (not browser prompt)  
✔ Success/failure popup messages for all actions

## Notes

* No external libraries are required.
* Tested on latest Chrome, Firefox, and Edge.
* All logic is contained within a single index.html file.

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