

Assignment 3

Objective

You will develop a dynamic data management web application that demonstrates your ability to manipulate the DOM, handle user interactions, and create responsive interfaces. Through this project, you will implement interactive table functionality with expandable rows, dynamic button creation, conditional styling, and real-time user feedback to showcase your proficiency in JavaScript event handling, form validation, and modern web development practices

Requirements

1. When Page loads Display your **Full Name** and **NUID** on the screen
2. On page load
 - a. Table should not be expanded when page loads
 - b. Submit button to be disabled and grayed out and it should not be clickable
3. Table should contain thead, tbody, th, tr, td, can use caption & tfoot(optional)
4. Green arrow icon can be downloaded from any online resources like [Flaticon](#) etc.
5. On Click of **Add New Student** Button
 - a. Add a new student with dummy values and dummy values should be dynamically added e.g. for row 4 the values will be Student 4, Teacher 4 etc. and for row 5 the values will be Student 5, Teacher 5 etc.
 - b. For newly added rows make sure existing CSS are applied too
 - c. **NOTE** – The table should always have records in order, even after deleting and adding students the table should have student number in orderly fashion and not skip any numbers. (e.g. if there are 5 records and student 5 is deleted and a new student is created it should create student 5 again and not 6)
6. After successful add of the record display the pop-up message with newly added student name in the popup message e.g. if you have added row 4 for student 4 then display **“Student 4 Record added successfully”** and display error message in case add of record addition failed.

	STUDENT	ADVISOR	AWARD STATUS	SEMESTER	TYPE	BUDGET #	PERCENTAGE
<input type="checkbox"/> ↓	Student 1	Teacher 1	Approved	Fall	TA	12345	100%
<input type="checkbox"/> ↓	Student 2	Teacher 2	Approved	Fall	TA	23456	100%
<input type="checkbox"/> ↓	Student 3	Teacher 3	Approved	Fall	TA	34567	100%

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7. On **Selecting** any of the **checkboxes**,
 - a. Background color to be changed for the particular row to “Yellow”
 - b. Submit button to turn orange
 - c. A delete button should get added **dynamically** in **DELETE column**
 - d. An Edit button should get added **dynamically** in **EDIT COLUMN**
8. On Click of delete button it should delete the entire row when clicked. Also, pop-up message should be displayed by having student name in the popup message e.g. if you have deleted row 4 for student 4 then display “**Student 4 Record deleted successfully**”
9. On click of Edit button it should only display a prompt box with a message and a text box e.g. if you are editing student 2 details then edit pop up should display as
 - a. **Title** – “**Edit details of Student 2**”
 - b. **Textbox** – A text box for user input
 - c. **2 Buttons** “**OK**” and “**Cancel**”
 - d. On click of “OK” You **do not** need to update the table with the new data just show a message “**Student 2 data updated successfully**” if you have some data inside the field and when “**Cancel**” button is clicked pop up will be closed
10. On **Deselecting** the checkbox
 - a. Make the row background color white again.
 - b. Also, if none of the rows are selected, the Submit button should be Grayed out again(disabled). (i.e., if 1 or more of the checkboxes are selected, the Submit button will be enabled and background color will be yellow. If none are selected, it will be disabled and background set to Gray)
 - c. DELETE and EDIT button in those de-selected rows will be **hidden**
11. Clicking on any of the green arrows will expand the particular row. Clicking it again will collapse it (i.e., toggle view on click)
12. You must complete the assignment using small, incremental commits with minor code changes. Adding the entire assignment in a single commit will result in a deduction of points.
13. Assignment must be submitted on your **PRIVATE GitHub account (use Northeastern email account)** and **zip** file must be submitted on **CANVAS** and GitHub URL of assignment in the canvas remarks

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	STUDENT	ADVISOR	AWARD STATUS	SEMESTER	TYPE	BUDGET #	PERCENTAGE	DELETE	EDIT
<input checked="" type="checkbox"/>	Student 1	Teacher 1	Approved	Fall	TA	12345	100%	<div>Delete</div>	<div>Edit</div>
<div>↓</div>									
Student 1 Details:									
Award Details: Honors Student Fall 1-2024(TA) Comments: Outstanding Award Status: A									
<input type="checkbox"/>	Student 2	Teacher 2	Approved	Fall	TA	23456	100%		
<div>↓</div>									
Student 2 Details:									
Award Details: Honors Student Fall 1-2024(TA) Comments: Outstanding Award Status: A									
<input type="checkbox"/>	Student 3	Teacher 3	Approved	Fall	TA	34567	100%		
<div>↓</div>									

SUBMIT SELECTED AWARDS

Add New Student

NOTE- Images in the assignment above are just for reference, cover all the requirements mentioned in the assignment.