**Lecture-17: TO-DO App Enhancements - Part 1**

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**TO-DO App:**

In this Lecture, we'll enhance our TO-DO app with new features.

1. **Add to List Button:**

* Assign an ID to the "Add to list" button and call it in the script.

1. **Event Listener:**

* Apply an event listener to the button's ID for the click event.
* Call a function when the button is clicked.

1. **Getting Title and Description:**

* Inside the function, get the values of the title and description fields.

1. **Validation:**

* Add a condition: if title and desc are both null, show an alert "Please fill all text fields."

1. **Storing Data:**

* In the same condition, else part, check if there's a key named "itemJson" in local storage and if it's null.
* If null, push the title and desc values into a new array.
* Convert the array itemJsonArray to a string using JSON.

1. **Handling Existing Data:**

* If itemJson is not null, retrieve the values of itemJsonArrayStr and itemJson.
* Parse itemJson from string to JSON format.

1. **Populating Data:**

* Populate the data into the table body.
* Create a variable str and set it as an empty string to store the table rows.

1. **Looping Through Data:**

* Create a loop using the forEach method on the itemJsonArray.
* Append each data element to the str variable.

1. **Updating Table Content:**

* Call the table body and set its innerHTML using the str variable.