

# JavaScript Class Material

**Topic:** DOM Manipulation — Multiple Elements & Form Handling

## ■ Session 1: Handling Multiple Elements Dynamically

### ■ Objectives:

- Learn how to select multiple elements.
- Use loops to apply changes to all matching elements.
- Dynamically update styles, text, and attributes.

### ■ Key Concepts:

- **document.querySelectorAll(selector):** Returns a NodeList of all matching elements. Use with `forEach()` or for loops.

### ■ Example:

```
Apple Banana Cherry Highlight Fruits function highlightFruits() { let items =
document.querySelectorAll('.fruit'); items.forEach(function(item) { item.style.color
= "white"; item.style.backgroundColor = "green"; }); }
```

■ Mini Task: Create a list of tasks and add a button that changes the background of all tasks when clicked.

## ■ Session 2: Form Validation and Input Handling

### ■ Objectives:

- Capture input values from users.
- Validate that fields are not empty.
- Show feedback messages using `alert()` or dynamically.

### ■ Key Concepts:

- `document.getElementById().value`
- `event.preventDefault()`
- Basic input checks (e.g. empty fields, length, etc.)

### ■ Example:

```
Register document.getElementById('signupForm').addEventListener('submit',
function(e) { e.preventDefault(); let username =
document.getElementById('username').value.trim(); let email =
document.getElementById('email').value.trim(); if (username === "" || email === "")
{ alert("Ju lutem plotësoni të gjitha fushat!"); } else { alert("Regjistrimi u bë me
sukses!"); } });
```

■ Mini Task: Make a form with name and age. Validate that the name is not empty and age is above 10. Show a custom message.

## ■ Albanian Vocabulary Support (Optional for Class)

English Term	Albanian Translation							
Input Field	Fushe hyrëse		Form	Formular		Validation	Verifikim	Submit
Button	Butoni për dorëzim		Loop	Përsëritje		Element	Element	