What is `classList`?

`classList` is a **built-in property** that lets you **add, remove, toggle, and check CSS classes** on an HTML element **without touching strings**.

Think of it as a **remote control for CSS classes** 🎛️

Basic Syntax

```
element.classList
```

Example:

```
<div id="box" class="card"></div>

const box = document.getElementById("box");
```

Most Important `classList` Methods

1️⃣ `add()` – Add a class

```
box.classList.add("active");
```

✅ Adds `active`
❌ Doesn't remove existing classes

2️⃣ `remove()` – Remove a class

```
box.classList.remove("card");
```

✅ Removes `card`
❌ Does nothing if class doesn't exist

3️⃣ `toggle()` – Add if missing, remove if present 🔥

```
box.classList.toggle("hidden");
```

👉 If `hidden` exists → remove
👉 If `hidden` doesn't exist → add

Perfect for buttons, menus, dark mode

4️⃣ `contains()` – Check if a class exists

```
box.classList.contains("active");
```

Returns:

- `true` ✅
- `false` ❌

🔁 Real Example: Show / Hide

```
<button onclick="toggleBox()">Toggle</button>
<div id="box" class="hidden">Hello</div>

.hidden {
  display: none;
}

function toggleBox() {
  document.getElementById("box").classList.toggle("hidden");
}
```

🆚 `classList` vs `className`

❌ Old way (`className`)

```
box.className = "card active";
```

- Overwrites all classes

- Easy to break styles

✅ Modern way (`classList`)

```
box.classList.add("active");
```

- Safe
- Clean
- No overwriting

Summary Table

Method	What it does
`add()`	Adds a class
`remove()`	Removes a class
`toggle()`	Adds/removes automatically
`contains()`	Checks if class exists