

JavaScript DOM Cheat Sheet (Expanded)

Common Properties

innerHTML: Gets or sets the HTML content inside an element.

```
document.getElementById("title").innerHTML = "New Title";
```

innerText: Gets or sets the visible text inside an element.

```
document.querySelector("p").innerText = "Hello!";
```

textContent: Gets or sets all the text inside an element (including hidden).

```
document.querySelector("p").textContent = "Updated text";
```

value: Gets or sets the value of form fields (like input, textarea).

```
document.getElementById("username").value = "John";
```

src: Gets or sets the source of media elements (like , <video>).

```
document.querySelector("img").src = "newimage.png";
```

href: Gets or sets the URL of a link (<a>).

```
document.querySelector("a").href = "https://google.com";
```

id: Gets or sets the ID of an element.

```
document.querySelector("h1").id = "mainHeading";
```

className: Gets or sets the class attribute of an element.

```
document.querySelector("div").className = "box red";
```

classList: Provides methods to manipulate classes (add, remove, toggle).

```
document.querySelector("div").classList.add("highlight");
```

style: Gets or sets inline CSS styles.

```
document.querySelector("h1").style.color = "blue";
```

dataset: Access custom data-* attributes.

```
document.querySelector("div").dataset.info = "123";
```

Common Methods

getElementById(): Selects one element by ID.

```
document.getElementById("title");
```

querySelector(): Selects the first element that matches a CSS selector.

```
document.querySelector(".box");
```

querySelectorAll(): Selects all elements that match a CSS selector (NodeList).

```
document.querySelectorAll("p");
```

createElement(): Creates a new element.

```
let div = document.createElement("div");
```

appendChild(): Adds a new child to an element.

```
document.body.appendChild(div);
```

prepend(): Inserts content at the beginning of an element.

```
document.body.prepend(div);
```

remove(): Removes the selected element.

```
document.querySelector("h1").remove();
```

replaceChild(): Replaces an element with another.

```
parent.replaceChild(newNode, oldNode);
```

getAttribute(): Gets the value of an attribute.

```
document.querySelector("a").getAttribute("href");
```

setAttribute(): Sets the value of an attribute.

```
document.querySelector("a").setAttribute("href", "https://example.com");
```

removeAttribute(): Removes an attribute.

```
document.querySelector("img").removeAttribute("src");
```

classList.add(): Adds a class.

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

classList.remove(): Removes a class.

```
element.classList.remove("active");
```

classList.toggle(): Toggles a class on/off.

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

Event Handling

addEventListener(): Attaches an event handler to an element.

```
document.getElementById("btn").addEventListener("click", () => alert("Clicked!"));
```

removeEventListener(): Removes an event handler.

```
element.removeEventListener("click", myFunction);
```

onclick: Fires when an element is clicked.

```
document.getElementById("btn").onclick = () => alert("Button clicked");
```

onchange: Fires when input value changes.

```
document.querySelector("input").onchange = () => console.log("Changed");
```

onmouseover: Fires when mouse is over element.

```
element.onmouseover = () => console.log("Hovering");
```

onkeydown: Fires when a key is pressed down.

```
document.onkeydown = (e) => console.log(e.key);
```

onsubmit: Fires when a form is submitted.

```
form.onsubmit = (e) => { e.preventDefault(); console.log("Form submitted");  
};
```