The Event Family

In this lesson, you will learn about different types of events and how are they categorized.

Many types of events can be triggered by DOM elements. Here are the main event categories.

Category	Examples
Keyboard events	Pressing or releasing a key
Mouse events	Pressing or releasing a key
Window events	Loading or closing a page, resizing, scrolling
Form events	Changing focus on a form field, submitting a form

Every event is associated to an `Event` object which has both *properties* (information about the event) and *methods* (ways to act on the event). This object can be used by the handler function.

Many properties of the `Event` object associated to an event depend on the event `type`. Some properties are always present, like type that returns the event type and target that return the event `target` (the DOM element that is the event source).

The `Event` object is passed as a parameter to the handler function. The following code uses this object to show the event type and target in the console.

JavaScript

```javascript
// Show event type and target when the user clicks on the button
document.getElementById("myButton").addEventListener("click", e => {
  console.log(`Event type: ${e.type}, target: ${e.target}`);
});
```

Console

Clear

The parameter name chosen for the `Event` object is generally `e` or `event` .