

# Lesson:

## HTML Events



## Introduction to HTML Events

HTML events are actions or occurrences that take place within an HTML document. These events can be triggered by user interactions, like clicking a button or hovering over an element, or they can be generated by the browser or the document itself. HTML events allow you to add interactivity and dynamic behaviour to your webpages.

## Why to use HTML Events

**HTML events** are used to make web pages more interactive and responsive. By utilising events, you can create functionality that reacts to user actions or changes in the document. Events enable you to perform tasks like validating user input, updating content dynamically, handling form submissions, creating interactive menus, and much more. By leveraging HTML events, you can enhance the user experience and make your web pages more engaging.

## Types of HTML Events

There are many event attributes available in HTML5, which are classified primarily into 6 different types. These attributes work using JavaScript language.

1. Window Event
2. Form Event .
3. Keyboard Event .
4. Mouse Event .
5. Clipboard Event .
6. Media Event

## Window Event

In web development, the "window" object represents the current browser window or tab that contains the HTML document. The "window" object provides a variety of properties, methods, and events related to the browser window.

Window events are actions or occurrences that take place within the browser window and can be detected or triggered by JavaScript. These events allow you to respond to various actions or changes happening within the window, such as page loading, resizing, scrolling, or user interactions.

## Form Event

If the user performs some action in the form like input data, cancel, submit, then these event attributes work.

## Keyboard Event

Keyboard events in HTML allow you to detect and respond to user interactions with the keyboard. These events are triggered when a key is pressed, released, or held down by the user. You can use keyboard events to capture user input, perform actions based on specific keys, or create interactive features in your webpages.

## Keyboard EventMouse Event

Mouse events in HTML allow you to detect and respond to user interactions with the mouse. These events occur when the user moves the mouse, clicks, hovers over elements, or performs other mouse-related actions. Mouse events enable you to capture user input, create interactive elements, and enhance the user experience.

## Clipboard Event

Clipboard events in HTML allow you to detect and respond to user interactions with the clipboard. These events occur when the user performs copy, cut, or paste operations. Clipboard events enable you to capture and manipulate the data being transferred to or from the clipboard, providing control over the clipboard functionality in your web application.

## Media Event

Media events in HTML are used to handle interactions and changes related to media elements such as audio or video players. These events allow you to capture and respond to various states and actions of the media, such as playing, pausing, seeking, or the completion of playback.

**Note :** We will learn more in detail with examples in the upcoming javascript lectures.

