

# HTML Events

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## Abstract

HTML events include those triggered by the window changes, when a keyboard key is pressed or the mouse moves or its button is clicked.

**Key Phrases** HTML event, keyboard event, mouse event.

**Key Words** HTML, event, keyboard, key, mouse.

## Introduction

There is not much to say about HTML events without mentioning JavaScript, the engine responsible for all the action behind the scene. This page is thus limited merely to listing the most frequently used HTML events. It is worthwhile mentioning that an HTML element can, and frequently does, contain more than one event attribute.

## Window events

They are triggered by the browser when it opens or closes. The action attributes are: onload, onunload.

## Form element events

These are responses to user-initiated events, such as change of a list-item, submission/reset button click, checkbox selection, pointing at an image etc. The main events are: onchange, onsubmit, onreset, onselect, onblur, and onfocus.

## Keyboard events

As the title suggests, they occur when the user presses or releases the keyboard key. Occasionally it is necessary to run a script when the key goes first down and then up. This makes three important events: onkeydown, onkeyup, and onkeypress.

## Mouse events

The last set of events is mouse-initiated, and it consists of: onclick, ondblclick, onmousedown, onmousemove, onmouseout, onmouseover, onmouseup.

## Example

You can get an idea about the event dynamic by exercising examples like this one.

```
<html xmlns="http://www.w3.org/1999/xhtml"
  lang="en" xml:lang="en">
  <head>
    <title>Page</title>
    <style>
      .box{
        width:100px; height:80px; padding-top:20px;
        font-weight:bold; text-align:center;
        color:blue; background-color:green;
      }
    </style>
  </head>

  <body onload="window.alert('Form is loaded')"
    onunload="window.alert('Form is unloaded')">
```

```
<div class="box"
    onmouseup="window.alert('Mouse button released!')"
    onclick="window.alert('You clicked the box!')"
>
    Click me!
</div>
</body>
</html>
```

## References

C. D. Knukles and D. S. Yuen: Web Applications, Concepts & Real World Designs. *Wiley* 2005.

Web Design Group HTML Help and Web Authoring Reference. *Web Design Group* 2006.

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Markup Validation Service. *World Wide Web Consortium* 2006.