JQuery Event Methods

JQuery is tailor-made to respond to events in an HTML page.

What are Events?

All the different visitors' actions that a webpage can respond to are called event.

An event represents the precise moment when something happens. Example of events are moving a mouse over an element, selecting a radio button, clicking on an element, a page loading, etc.

The term "fire/fired" is often used with events to imply when they occur or are called up.

DOM Events

1. Mouse Events: click, dblclick, mouseenter, mouseleave.
2. Keyboard Events: keypress, keydown, keyup.

3. Form Events: submit, change, focus, blur.
4. Document/Window Events: load, resize, scroll, unload.

JQuery Syntax for Event Methods

In jQuery, most DOM events have an equivalent jQuery method.

To assign a click event to all paragraphs on a page, you do this:

```
$("p").click();
```

The next step is to define what should happen when the event fires. You must pass a function to the event.

```
$("p").click(
  function() {
    //action goes in here!
  }
);
```

Commonly used jQuery Event Methods

1. `$("document").ready()`: this method allows you to execute a function when the document is fully loaded.
2. The `click()` method
3. The `dblclick()` method
4. The `mouseenter()` method
5. The `mouseleave()` method
6. The `mousedown()` method: this function gets executed when all the mouse buttons are pressed down, while the mouse is over the HTML element.
7. The `mouseup()` method: this function gets executed when all the mouse buttons are released, while the mouse is over the HTML element.
8. The `hover()` method: this a combination of the mouseenter and mouseleave() methods. The first function is executed when the mouse enters the HTML element and the

second function is executed when the mouse leaves the HTML element.

9. The `focus()` method: the focus() method is executed when the form field gets focus.

```
 $("input").focus(function ()) {
   $(this).css("background-color",
"#cccccc");
 })
```

10. The `blur()` method: the blur() method is executed when the form field loses focus.

The On() Method

The on() method attaches one or more event handlers for the selected elements.

```
$("p").on(
  mouseenter: function () {
    $(this).css("background-color",
"lightgrey");
  }
  mouseleave: function() {
    $(this).css("background-color",
"lightblue");
  }
```

```
  click: function () {
    $(this).css("background-color",
"yellow");
  }
)
```

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