

EVENT METHODS

jQuery provides a variety of event methods that allow you to handle user interactions and actions on a webpage easily. Here are some commonly used jQuery event methods explained in detail:

1. **.click() Method:**

Description: Attach a function to be executed when the element is clicked.

Example:

```
$("#myButton").click(function() {  
    // Code to run when the button is clicked  
});
```

2. **.hover() Method:**

Description: Attach two functions to be executed when the mouse pointer enters and leaves the element.

Example:

```
$("#myElement").hover(  
    function() {  
        // Code to run when the mouse enters the element
```

```
},  
function() {  
    // Code to run when the mouse leaves the element  
}  
);
```

3. .submit() Method:

Description: Attach a function to be executed when a form is submitted.

Example:

```
$("form").submit(function(event) {  
    // Code to run when the form is submitted  
    event.preventDefault(); // Prevents the default form submission  
    behavior  
});
```

4. .keydown() Method:

Description: Attach a function to be executed when a key is pressed down.

Example:

```
$(document).keydown(function(event) {  
    // Code to run when a key is pressed down
```

```
});
```

5. .keyup() Method:

Description: Attach a function to be executed when a key is released.

Example:

```
$(document).keyup(function(event) {  
    // Code to run when a key is released  
});
```

6. .change() Method:

Description: Attach a function to be executed when the value of an element changes (e.g., input field or select box).

Example:

```
$("input").change(function() {  
    // Code to run when the input value changes  
});
```

7. .focus() and .blur() Methods:

Description: Attach functions to be executed when an element gains or

loses focus.

Example:

```
$("#input").focus(function() {  
    // Code to run when the input gets focus  
});
```

```
$("#input").blur(function() {  
    // Code to run when the input loses focus  
});
```

8. .on() Method:

Description: A general-purpose event handler method that can be used to attach one or more event handlers to elements.

Example:

```
$("#myElement").on("click", function() {  
    // Code to run when the element is clicked  
});
```

9. .off() Method:

Description: Remove event handlers that were attached with the .on() method.

Example:

```
$("#myElement").off("click");
```

10. Event Object:

When an event occurs, jQuery automatically passes an event object to the handler function. This object contains information about the event, such as the type, target element, and any additional data.

Example:

```
$("#myElement").click(function(event) {  
    console.log("Event type: " + event.type);  
    console.log("Target element: " + event.target);  
});
```

These are just a few examples of the many event methods available in jQuery. Event handling in jQuery simplifies the process of managing user interactions on a webpage.