[ZANG] - [Chuanjie]

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1. **Name all the methods you can use to attach a mousover event using jQuery.**

In jQuery, can use several methods to attach events. For mouseover, these are:

* .mouseover(): Directly attaches a handler for the mouseover event.
* .on('mouseover', handler): A more general method that allows attaching mouseover and other events to elements.

1. **Extra Credit: How would you attach both a mouseover and mouseout event using the same method? Hint: This answer can be found in Appendix D (refer to book)**

use the .hover() method. It takes two functions as arguments:

$("selector").hover(

function() {

// This is the mouseover event

},

function() {

// This is the mouseout event

}

);

1. **What method would you use to attach any browser event not already provided as a wrapper method?**

would use the .on() method. This allows you to attach any event, including custom events or those that don't have wrapper methods in jQuery.

$("selector").on("customEvent", function() {

// Your custom event handler code

});

1. **What event property is used as the basis for determining what**

**element has received an event using jQuery’s persistent or live events? Explain what happens.**

The target property of the event object (event.target) is used to identify which element triggered the event. It refers to the actual element in the DOM that received the event.

1. **How do you use a persistent or live event to create an event**

**handler?**

use the .on() method to delegate an event to elements, even if they are added dynamically after the initial page load.

$(document).on("click", ".dynamicElement", function() {

// Event handler for dynamically added elements

});

1. **6. How do you name an instance of an event handler? How do you apply multiple names to an instance of an event handler?**

name an instance of an event handler by passing a named function as the handler, and you can apply multiple names using namespaces in jQuery events.

function myHandler() {

// Handler code

}

$("selector").on("click.namespace1 namespace2", myHandler);

1. **What method is used to remove an event handler?**

use the .off() method to remove an event handler.

$("selector").off("click", myHandler);

1. **Can an event handler be removed by virtue of its named instance only?**

Yes, used a named function when attaching the handler, you can remove it by passing that same function to .off().

1. **Name two ways to fire a click event handler using script.**

Use the .click() method:

$("selector").click();

Use the .trigger('click') method:

$("selector").trigger("click");

1. **How do you create a custom event handler? How do you send data to a custom event handler?**

can create a custom event handler using .on() and trigger it using .trigger(). To send data, pass it as an argument to .trigger().

$("selector").on("customEvent", function(event, data) {

console.log(data);

});

$("selector").trigger("customEvent", { key: "value" });