[ZANG] - [Chuanjie]

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**1. if you want to have a UI that allows users to drag elements around in**

**a document and position those elements wherever they like, what**

**would you use?**

use **jQuery UI's** draggable() function to make elements draggable, allowing users to move them around the page.

$("element").draggable();

**2. If you want to create draggable elements that work similarly to your**

**operating system's file manager, where the original element remains**

**in place, but when a drag operation starts, you drag around a clone of**

**that element, how would you do that with jQuery UI? Write a sample**

**program that achieves this.**

use the helper option in the draggable() function to drag a clone of the original element.

$("element").draggable({

helper: "clone"

});

**3. If you want to make an element into a drop zone for draggable**

**elements, what function call would you use?**

use the droppable() function to make an element a drop zone.

$("#dropzone").droppable();

**4. Write the function call that you would use to add a class name to a**

**drop zone while an element was being dragged over the top of it.**

use the over event in the droppable() method to add a class when the element is dragged over the drop zone.

$("#dropzone").droppable({

over: function(event, ui) {

$(this).addClass("highlight");

}

});

**5. What option would you provide to the droppable() method if you**

**want to limit the drag elements that can be dropped on the drop**

**element? Also, what type of value would you provide to that option?**

use the accept option to limit which draggable elements can be dropped. You would provide a selector or a function to the accept option.

$("#dropzone").droppable({

accept: ".draggableClass" // Only elements with this class can be dropped

});

**6.What method do you use to make a list sortable?**

use the sortable() method to make a list sortable.

$("ul").sortable();

**7.What kind of value do you provide to the placeholder option?**

provide a **class name** or a **jQuery UI class** for the placeholder option.

$("ul").sortable({

placeholder: "sortable-placeholder"

});

**8.What is the purpose of the placeholder option?**

The placeholder option creates a visual space where the element being sorted will be placed, giving a visual cue during sorting.

**9. If you want to change the cursor displayed as a sort is taking place,**

**which option would you use?**

use the cursor option to change the cursor during sorting.

$("ul").sortable({

cursor: "move"

});

**10.What is the purpose of the helper option?**

The helper option allows you to specify an element to drag instead of the original element. It can be set to "original", "clone", or a custom function.

$("ul").sortable({

helper: "clone" // Drags a copy of the element

});

**11.Which option do you use to connect multiple sortable lists to one**

**another?**

use the connectWith option to link multiple sortable lists.

$("ul").sortable({

connectWith: ".connectedSortable"

});

1. **What kind of value do you provide to the connectWith option?**

provide a **selector** as the value for the connectWith option, which refers to other sortable lists.

$("ul").sortable({

connectWith: "ul"

});

1. **How do you save the state of a sortable list after every sort takes**

**place?**

use the update event to save the state of the list after sorting. For example, store the new order in a database or local storage.

$("ul").sortable({

update: function(event, ui) {

var sortedIDs = $(this).sortable("toArray");

// Save the sortedIDs to a database or local storage

}

});