[ZANG] - [Chuanjie]

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Answer the following Questions:

1. **What other client-side technology does jQuery have a lot in common with in terms of its fine-grained control over the selection of elements from the markup source?**

jQuery has a lot in common with CSS selectors. Both allow fine-grained selection of elements in HTML based on IDs, classes, attributes, relationships, etc.

1. **If you want to select an element from the DOM using jQuery based on an ancestral relationship, which method would you use?**

use either .find() or .closest():

.find(): Finds descendants of the current element that match the criteria.

.closest(): Finds the closest ancestor that matches the criteria, starting from the current element and moving upwards.

1. **If you want to swap an element’s position in the DOM with its preceding sibling, what jQuery method would help with that application?**

You can use .insertBefore() or .before() to insert the current element before its preceding sibling, effectively swapping their positions.

1. **If you have selected an element and want to select one of that element's descendants from the DOM, what methods does jQuery provide that would give you the results you seek?**

jQuery provides .children() and .find():

.children(): Selects the immediate children of the selected element.

.find(): Selects all descendants of the selected element.

1. **If you made a selection but later wanted to remove one or more elements from that selection, what jQuery method would you use?**

use the .not() method, which excludes certain elements from the current selection.

1. **If you wanted to select only a single element from a broader selection, what jQuery method would you use?**

use .eq() to select a single element at a specific index from the broader selection.

1. **List all the methods that jQuery provides for working with sibling elements.**

jQuery provides the following methods for working with sibling elements:

.siblings(): Selects all sibling elements.

.next(): Selects the next sibling element.

.nextAll(): Selects all following sibling elements.

.nextUntil(): Selects all siblings up to but not including the matched element.

.prev(): Selects the previous sibling element.

.prevAll(): Selects all preceding sibling elements.

.prevUntil(): Selects all preceding siblings up to but not including the matched element.

1. **How would you add elements to selection using jQuery**

use the .add() method to add new elements to an existing jQuery selection.