jQuery interview questions and answers part 3

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jQuery interview questions and answers part 3

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33. How can events be prevented from stopping to work after an ajax request?

There are two ways to handle this issue:
- Use of event delegation: The event delegation technique works on principle by exploiting the event bubbling. It uses event bubbling to capture the events on elements which are present anywhere in the domain object model. In jquery the user can make use of the live and die methods for the events delegation which contains a subset of event types.
For ex. handling even delegation, handling of clicks on any <a> element:

```
$('#mydiv').click(function(e){
if( $(e.target).is('a') )
fn.call(e.target,e);
});
$('#mydiv').load('my.html')
```

- Event rebinding usage: When this method is used it requires the user to call the bind method and the added new elements.
For ex.

```
$('a').click(fn);
$('#mydiv').load('my.html',function(){
$('#mydiv a').click(fn);
});
```

34. How can an element be checked if it contains a specific class?

The hasClass method defined can be used to check if an element actually contains the specified class.
For ex. usage of the hasClass:

```
$("div").click(function(){
if ( $(this).hasClass("protected") )
$(this)
.animate({ left: -10 })
.animate({ left: 10 })
.animate({ left: -10 })
.animate({ left: 10 })
.animate({ left: 0 });
});
```

The is() method can also be used with a selector for a more advanced level of matching.
For ex.

```
if ( $('#myDiv').is('.pretty.awesome') )
$('#myDiv').show();
```

This method can be used to test various other things, such as it could be used to detect if the specified element is hidden or not.

35. Why is the block display style used for animations?

In html only the block level elements can have custom heights and widths. So when a user defines an animation method for usage such as show, hide, slide up etc the display css property of the block being animated is set to display block style. On completion of the animation the display style of the block would be changed to its original value. This procedure does not work properly for inline elements and the following workarounds can be applied to it:
- If the user wants the element to remain inline and only want to animate it in and out he can use the fadein and fadeout animation instead of using the show method.
- The user can also use a block level element with float to make the element appear inline with the rest of the content around it.

36. What are the approaches of extracting a query string with regular expressions?

There are two approaches of doing so:
- String based approach: This is the simple way of extracting the information of a query string using the string-based replacement technique. This method makes use of the .replace() method to function.
For ex. var data = string.replace("http://localhost/view.php?", "");
The above code works fine for the string based approach but has some flexibility issues. It cannot deal effectively with domain name and file name changes.
- Regular expression approach: They are a powerful pattern matching tool available in modern programming languages. For the extraction of a query string a pattern would have to be used which looks for a question mark in the string. Once it does it returns everything after it. The regular expression in JS are delimited using the forward slashes at the end of an expression.

37. How does jquery store data related to an element?

In plain java scripts the information about an element can be stored by adding a domain object model property to the element. This results in memory leak problems in certain browsers. In jquery the user does not has to worry about memory management issues.
For ex. storing and retrieving data related to an element:
$('#myDiv').data('keyName', { foo : 'bar' });
$('#myDiv').data('keyName'); // { foo : 'bar' }
Jquery allows the user to store any kind of information on an element. The $.fn.data is used the most to store data related to an element.
For ex. storing of relationship between elements with the use of $.fn.data :
$('#myList li').each(function() {
var $li = $(this), $div = $li.find('div.content');
$li.data('contentDiv', $div);
});
// later, the user is not required to look for the div again;
// the data can simply be read from the list items data;
var $firstLi = $('#myList li:first');
$firstLi.data('contentDiv').html('new content');

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