JQUERY - AJAX EVENTS

Ajax requests produce a number of different events that you can subscribe to. Here's a full list of the events and in what order they are broadcast.

There are two types of events −

Local Events

These are callbacks that you can subscribe to within the Ajax request object.

```
$.ajax({
   beforeSend: function(){
      // Handle the beforeSend event
   },
   complete: function(){
     // Handle the complete event
   }
   // ......
 });
```

Global Events

These events are broadcast to all elements in the DOM, triggering any handlers which may be listening. You can listen for these events like so −

```
$("#loading").bind("ajaxSend", function(){
   $(this).show();
}).bind("ajaxComplete", function(){
   $(this).hide();
 });
```

Global events can be disabled, for a particular Ajax request, by passing in the global option, like so −

```
$.ajax({
   url: "test.html",
   global: false,
   // ...
});
```

Events

Here is the full list of Ajax events. The ajaxStart and ajaxStop events are events that relate to all Ajax requests together.

- **ajaxStart** *GlobalEvent* This event is broadcast if an Ajax request is started and no other Ajax requests are currently running.

- **beforeSend** *LocalEvent* This event, which is triggered before an Ajax request is started, allows you to modify the XMLHttpRequest object *settingadditionalheaders, ifneedbe.*

- **ajaxSend** *GlobalEvent* This global event is also triggered before the request is run.

- **success** *LocalEvent* This event is only called if the request was successful *noerrorsfromtheserver, noerrorswiththedata.*

- **ajaxSuccess** *GlobalEvent* This event is also only called if the request was successful.

- **error** *LocalEvent* This event is only called if an error occurred with the request *youcanneverhavebothanerrorandasuccesscallbackwitharequest.*

- **ajaxError** *GlobalEvent* This global event behaves the same as the local error event.

- **complete** *LocalEvent* This event is called regardless of if the request was successful, or not. You will always receive a complete callback, even for synchronous requests.

- **ajaxComplete** *GlobalEvent* This event behaves the same as the complete event and will be triggered every time an Ajax request finishes.

- **ajaxStop** *GlobalEvent* This global event is triggered if there are no more Ajax requests being processed.

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