



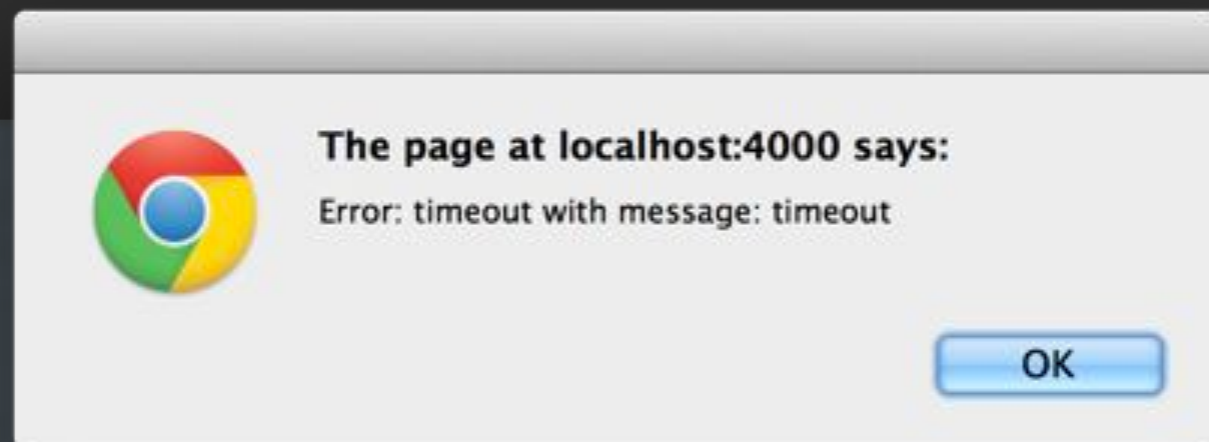
Ajax Options

Handling failed AJAX requests

application.js

```
$( '.confirmation' ).on( 'click', 'button', function() {  
    $.ajax( 'confirmation.html', {  
        success: function( response ) {  
            $( '.ticket' ).html( response ).slideDown();  
        },  
        error: function( request, errorType, errorMessage ) {  
            alert( 'Error: ' + errorType + ' with message: ' + errorMessage );  
        }  
    } );  
});
```

Runs this callback if there is a timeout, abort, or server error



If the browser times out fetching this request, you might get this error

Setting the timeout speed

application.js

```
$( '.confirmation' ).on( 'click', 'button', function() {  
    $.ajax( 'confirmation.html', {  
        success: function( response ) { ... },  
        error: function( request, errorType, errorMessage ) { ... },  
        timeout: 3000  
    } );  
} );
```

In ms, 1 second = 1000 ms

beforeSend and complete callbacks

application.js

```
$( '.confirmation' ).on( 'click', 'button', function() {  
  $.ajax( 'confirmation.html', {  
    success: function( response ) { ... },  
    error: function( request, errorType, errorMessage ) { ... },  
    timeout: 3000,  
    beforeSend: function() {  
      $( '.confirmation' ).addClass( 'is-loading' );  
    },  
    complete: function() {  
      $( '.confirmation' ).removeClass( 'is-loading' );  
    }  
  } );  
});
```

Runs before the Ajax request

Runs after both success and error

*We can add a loading animation
using CSS for this class*

jQuery Travels - Vacation Confirmation

Confirmations

Hawaiian Vacation 

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FLIGHT DETAILS

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Why didn't our normal click handler work?

`http://example.org/confirmation.html`

Our AJAX response

```
<div> ...  
  <strong>Boarding Pass: </strong>  
  <a href='#' class='view-boarding-pass'>View Boarding Pass</a>  
  <img src='ticket.png' alt='Your boarding pass' class='boarding-pass' />  
</div>
```

`application.js`

The Click handler that's not working

```
$('.confirmation .view-boarding-pass').on('click', function(){ ... });
```



This was run once when the page loaded.

But when the page loaded `.view-boarding-pass` didn't exist.

It only existed after our AJAX request.

1 Ajax Basics

Using Event Delegation

`http://example.org/confirmation.html`

Our AJAX response

```
<div> ...  
  <strong>Boarding Pass: </strong>  
  <a href='#' class='view-boarding-pass'>View Boarding Pass</a>  
  <img src='ticket.png' alt='Your boarding pass' class='boarding-pass' />  
</div>
```

`application.js`

```
$('.confirmation .view-boarding-pass').on('click', function(){ ... });
```



```
$('.confirmation').on('click', '.view-boarding-pass', function(){ ... });
```




Listen for click events inside `.confirmation`

When they happen, check if the target was `.view-boarding-pass`

1 Ajax Basics

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