jQuery

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What is jQuery?

- Just another JavaScript library

- Prototype, YUI, Dojo, MooTools

- Shipped with Visual Studio

- Now is default in Rails 3.1

Why It's Awesome

- Expressiveness

- Cross Browser

- Fast and Small

- Plugins

- **Bang for your buck**

Features

- Selectors

- DOM Manipulation

- Events

- Effects

- Ajax

Selectors

```
$('div')

$('.small')

$('#product-description a[target=_blank]')

$('table.grid tr:even')
```

DOM Manipulation

```
$('table tr:odd').addClass('alternate');

$('#orders a').attr('target', '_blank');

$('<div class="dialog"></div>');

$('label.email').after($('<span>jsmith@web.com</span>'));
```

Events

```
$('button.delete').click(function() {
  return confirm('Are you sure you want to delete this?');
});

$(window).unload(function() {...});

$(document).keyup(function() {...});

$(document).bind('userLogin', function() {...});

$(document).trigger('userLogin');
```

Effects

```
$('#intro').hide();

$('#intro').fadeOut('slow');

$('.tooltip').animate({
    width: 100,
    height: 50,
    backgroundColor: #f00
}, 1000);

$('.tooltip').fadeIn(200).delay(5000).fadeOut(200);
```

How I Use jQuery

- Small, single responsibility plugins

- Convention oriented wire-ups

- Progressive Enhancement

- Don't overuse

Form Submit

```html
<input type="submit" value="Send Message"
    data-submit="Sending..." />
```

```javascript
$('[data-submit]').click(function() {
  var message = $(this).attr('data-submit');
  $(this).val(message).attr('disabled', 'disabled');
});
```

Inline Confirm

```javascript
$.fn.inlineConfirm = function() {
  $this = $(this);
  $this.click(function(e) {
    if(!$this.data('confirmState')) {
      var warningText = $this.attr('data-warning');
      var confirmText = $this.attr('data-confirm');
      var $warning = $('<p class="warning">' +
                          warningText + '</p>');
      $this.before($warning)
        .growToText(confirmText)
        .data('confirmState', true);
      return false;
    }
  });
  return $this;
};
```

Inline Confirm

```
if($.fn.inlineConfirm)
  $('[data-confirm]').inlineConfirm();
```

Errors Demo

```javascript
$.fn.blunder = function() {
  $this = $(this);
  $errors = $('.errors ul li', $this);
  $errors.each(function() {
    var $error = $(this);
    var $field = $('#' + $error.attr('data-errorkey'));
    $field.addClass('error')
          .after($('<span>' + $error.text() + '</span>'));
    $error.addClass('error-link').click(function() {
      $field.focus();
    });
  });
};
```

Errors Demo

```javascript
if($.fn.blunder)
    $('form').blunder();
```

Delete List Demo

```javascript
$.fn.deleteList = function() {
  var $list = $(this);
  $('.delete-button', $list).hide();
  $list.find('li').each(function() {
    $deleteToggle = $('<button class="delete-toggle"></button>').hide();
    $deleteToggle.click(function() {
      $deleteButton = $(this).parent().find('.delete-form .delete-button');
      $('.delete-toggle', $list).rotate({animateTo: 0, duration: 200});
      $('.delete-button', $list).not($deleteButton).slideOut();
      if($deleteButton.is(':visible')) {
        $(this).rotate({animateTo: 0, duration: 200});
        $deleteButton.slideOut();
      }
      else {
        $(this).rotate({animateTo: 90, duration: 200});
        $deleteButton.slideIn();
      }
    });
    $(this).prepend($deleteToggle);
  });
```

Delete List Demo

```javascript
$editButton = $('<button class="button">Edit</button>');
$editButton.click(function() {
  if($editButton.text() == 'Edit') {
    $editButton.text('Done');
    $('.delete-toggle', $list).slideIn();
  }
  else {
    $editButton.text('Edit');
    $('.delete-toggle', $list).slideOut()
      .rotate({animateTo: 0, duration: 200});
    $('.delete-button', $list).slideOut();
  }
});
$list.prepend($editButton);
```

Delete List Demo

```
if($.fn.deleteList)
   $('.listing.deletable').deleteList();
```

Search Demo

```
if($.fn.columnize) {
  $('.categories div').addClass('dontsplit');
  $('.categories').columnize({columns: 3});
}


if($.fn.liveUpdate)
  $('.search').liveUpdate('.searchable ul');
```

More Uses

- Keyboard Control/Shortcuts

- Photo galleries

- Multiple adds (cloning, form manipulation)

- Infinite scrolling

- Drag/Drop UI's

- Games

Questions?