jQuery: Ajax Made Easy

Nathaniel T. Schutta

Who am I?

- Nathaniel T. Schutta
  http://www.ntschutta.com/jat/
- @ntschutta
- Foundations of Ajax & Pro Ajax and Java Frameworks
- UI guy
- Author, speaker, teacher
- More than a couple of web apps

The Plan

- Why a library?
- Pros and cons.
- JavaScript helpers.
- Ajax made easy.
- CSS selectors.
- Events.
- Animations and effects.
- Widgets.

Use a library.

Not using one?

Probably doing it wrong.

Ajax isn’t rocket surgery.

But...doesn’t mean we should go it alone.

Several high quality libraries to pick from.

Paradox of choice.

Most server side agnostic.

Things have improved since the 90s!

We still have browser issues to deal with.

<cough>IE 6.</cough>

IE 6...on the way out?

SharePoint 2010 - no IE 6.

http://blogs.msdn.com/sharepoint/archive/2009/05/07/announcing-sharepoint-server-2010-preliminary-system-requirements.aspx

Google Apps...sorry IE 6.

http://googledocs.blogspot.com/2010/01/web-browser-support-for-docs-and-sites.html

Libraries abstract some of that away.

VM as it were.

Libraries = leverage.

Most have:

XHR wrapper.

CSS selectors.

Event handling.

Widgets, effects, animations.

JavaScript utilities.

How do you choose?

Many work well together.

Ask yourself...

What do you want?

Widgets? Complete environment? Utilities?

Can you read the code?

May need to from time to time.

How’s the docu?

What does Google return?

What is the community like?

When was the last update?

Can you get help?

Have to play with them.

Libraries have “flavors.”

Do you like the library's style?

Does it solve
YOUR problems?

Why jQuery?

Small.

Readable code.

Feature packed: XHR, CSS selectors, etc.

Excellent documentation.

Active mailing list.

Widely used.

jQuery - bit of a reaction to Prototype.

Each uses $ differently!

Each has influenced the other though...

Better, each has improved the other.

Pros and Cons.

Focussed on
HTML elements.

Doesn’t pollute global namespace.

DOM manipulation a snap.

Extensive plugins.

Widely used in a variety of projects.

Not perfect though ;)

Parameter ordering in APIs not always intuitive.

Plugins required for a variety of functionality.

Some functions reassign ‘this.’

This is a bit nit-picky!

Making JavaScript suck less!

JavaScript is a great language.

But it has...quirks.

Missing some things.

jQuery helps out!

```
$(document).ready(function(){
  //do something cool
});


$('ul').addClass('class1 class2');


$('ul').removeClass('class1 class2');


$('ul').addClass('class1').removeClass('class2');


$('#im').is('.class1')
```

And much, much more.

Ajax made easier.

XHR isn’t complicated.

But abstractions help.

ActiveX vs. JS native...

All the wrappers
are pretty similar.

URI to call, parameters, HTTP method, callback.

jQuery's approach.

Variety of methods.

$.ajax(options)

Also more specific calls.

$.getJSON(url, [data], [callback])

Validation Example

http://localhost:8080/DesigningForAjax/validation/validationAjaxjQuery.htm

Gmail del.icio.us Firebug Lite Dropbox GitHub

Really Simple Address Book

Invalid zip, city, state combo.

Name:

Email:

Phone:

Street:

City: forest Lake State: Zip:

Website:

IM:

Save

```
$.get("/DesigningForAjax/validate",
    {
        zip: $("#zip").val(),
        city: $("#city").val(),
        state: $("#state").val()
    },
    function(message) {
        $("#messages").html(message);
});
```

JavaScript lacks namespaces - thus $.

Readable?

Easy?

CSS selectors.

Want everything
with a given style?

CSS selectors are very powerful.

Browser support
can be lacking...

Libraries come in and smooth things out!

jQuery excels at CSS selectors.

Top notch support.

Outstanding performance.

Browsers do the heavy lifting when possible.

Hide Show Example

http://localhost:8080/DesigningForAjax/hideShow/hideShowAjaxjQuery.htm

Gmail del.icio.us Firebug Lite Dropbox GitHub

Really Simple Address Book

Contact Info

Name:

Email:

Phone:

Address

Street:

City:

State:

Zip:

Web Info

Website:

IM:

Save

```
$(function(){
   $('.header').click(function() {
      $(this).next().toggle("blind", { direction: "vertical" }, 500);
   });
});
```

Not bad for a few lines of code!

Readable?

And we add a nice effect!

OK, how about something fancier?

by: Orin Zebest

http://www.flickr.com/photos/orinrobertjohn/3369363243/sizes/l/in/photostream/

Hide Show Example – jQuery Accordion

http://localhost:8080/DesigningForAjax/hideShow/hideShowAjaxjQueryAccordion.html

Gmail del.icio.us Firebug Lite Dropbox GitHub

Really Simple Address Book

Contact Info

Name:

Email:

Phone:

Address

Web Info

Save

```
  <link type="text/css" href="../themes/ui-lightness/jquery.ui.all.css" rel="stylesheet" />
  <script src="../javascript/jquery.js" type="text/javascript"></script>
  <script src="../javascript/jqueryUI/jquery.ui.core.js" type="text/javascript"></script>
  <script src="../javascript/jqueryUI/jquery.ui.widget.js" type="text/javascript"></script>
  <script src="../javascript/jqueryUI/jquery.ui.accordion.js" type="text/javascript"></script>
  <script type="text/javascript">
  $(document).ready(
          function() {
              $("#accordion").accordion({collapsible: true});
          }
      );
  </script>
</head>
<body>
  <h1>Really Simple Address Book</h1>
  <form>
  <div id="accordion">
    <h3><a href="#">Contact Info</a></h3>
    <div>
      <span>Name: <input type="text" name="name"/></span><br>
      <span>Email: <input type="text" name="email"/></span><br/>
      <span>Phone: <input type="text" name="phone"/></span><br/>
    </div>
    <h3><a href="#">Address</a></h3>
    <div>
      <span>Street: <input type="text" name="street"/></span><br>
      <span>City: <input type="text" name="city"/></span><br>
      <span>State: <input type="text" id="state" size="2" maxlength="2"/></span><br/>
      <span>Zip: <input type="text" name="zip" size="5" maxlength="5"/></span><br/>
    </div>
    <h3><a href="#">Web Info</a></h3>
```

Little bit of code
= big return.

That’s not all!

What about alternating rows?

jQuery adds filters.

even, odd, first, first-child, parent, last, etc.

http://api.jquery.com/category/selectors/

Dig the CSS selectors?

Want to use it outside of jQuery?

Sizzle.

http://github.com/jeresig/sizzle

Event handling.

Coding to events gives us cleaner markup.

But browsers get in the way...again.

Unobtrusive JavaScript.

http://www.alistapart.com/articles/behavioralseparation

Library designers help us!

jQuery includes a variety of APIs.

Including some great helper methods.

Click, focus, hover, keys, mice, scroll...

```
$(function(){
   $('.header').click(function() {
      $(this).next().toggle("blind", { direction: "vertical" }, 500);
   });
});
```

Attaching events works great...

Until you update the DOM!

Ever update the DOM?

live()

http://api.jquery.com/live/

Attach to elements that haven’t been added yet!

How cool is that?

Animations and effects.

Extensive add ons!

Want animations and widgets?

jQuery has you covered.

jQuery relies on plugins.

jQuery UI.

Gives us widgets,
effects, draggable etc.

Let’s add an effect!

```
$(function(){
   $('.header').click(function() {
      $(this).next().toggle("blind", { direction: "vertical" }, 500);
   });
});
```

Very easy to
add a little flash.

slideDown, slideToggle, fadeIn, fadeOut...

Clip, drop, fold,
highlight, puff, shake...

Very easy to create complex animations.

http://api.jquery.com/animate/

jQuery user interface

Download | Demos & Documentation | Themes | Development | Suppo

nteractions
raggable
roppable
esizable
electable
ortable

Vidgets
ccordion
utocomplete
utton
atepicker
ialog
rogressbar
lider
abs

ffects
dd Class
emove Class
witch Class
oggle Class
how
ide
oggle
nimate

FUNCTIONAL DEMO:

Effect

Theme: UI Lightness

New window

Examples

Effect showcase

Easing showcase

Effect

Etiam libero neque, luctus a, eleifend nec, semper at, lorem. Sed pede. Nulla lorem metus, adipiscing ut, luctus sed, hendrerit vitae, mi.

Blind | Run Effect

Click the button above to show the effect.

▸ View Source

Overview | Arguments

Easy to go too far.

Seasoning, not the entree.

Blink tag anyone?

Used right, adds that extra bit of polish.

Autosuggest.

The missing widget!

Google Suggest.

Google

http://www.google.com/

Google

Gmail del.icio.us Firebug Lite Dropbox GitHub

Web Images Videos Maps News Shopping Gmail more ▼ iGoogle | Search settings | Sign in

Google

Advanced Search
Language Tools

Google Search I'm Feeling Lucky

Advertising Programs Business Solutions About Google

© 2010 - Privacy

Change background image

Looks like a drop down...

High volume drop down.

Very handy!

Suggest Example – jQuery

http://localhost:8080/DesigningForAjax/autosuggest/suggestAjaxjQuery.html

Gmail del.icio.us Firebug Lite Dropbox GitHub

Really Simple Address Book

Name:

Email:

Phone:

Street:

City: State: Zip:

Website:

IM:

Favorite Ice Cream:

Save

```
  <link type="text/css" href="../themes/ui-lightness/jquery.ui.all.css" rel="stylesheet" />
  <script src="../javascript/jquery.js" type="text/javascript"></script>
  <script src="../javascript/jqueryUI/jquery.ui.core.js" type="text/javascript"></script>
  <script src="../javascript/jqueryUI/jquery.ui.widget.js" type="text/javascript"></script>
  <script src="../javascript/jqueryUI/jquery.ui.autocomplete.js" type="text/javascript"></script
  <script src="../javascript/jqueryUI/jquery.ui.position.js" type="text/javascript"></script>
  <script type="text/javascript">
  $(function() {
      var availableTags = ["Vanilla", "Chocolate", "Butter pecan", "Strawberry", "Neapolitan",
      "Chocolate chip", "French vanilla", "Cookies and cream", "Vanilla fudge ripple",
      "Praline pecan", "Cherry", "Chocolate almond", "Coffee", "Rocky road",
      "Chocolate marshmallow"];

      $("#iceCream").autocomplete({
          source: availableTags
      });
  });

  </script>
/head>
<body>
  <h1>Really Simple Address Book</h1>
  <form>
  <table>
    <tbody>
      <tr><td>Name: </td><td><input type="text" name="name"/></td></tr>
      <tr><td>Email: </td><td><input type="text" name="email"/></td></tr>
      <tr><td>Phone: </td><td><input type="text" name="phone"/></td></tr>
      <tr><td>Street: </td><td><input type="text" name="street"/></td></tr>
      <tr>
        <td>City: </td><td><input type="text" name="city"/></td>
```

How’s that?

Easy?

Date picker.

HTML lacks widgets.

Bit depressing actually.

Text box, text area, drop down, radio button...

Pretty limited.

We have options!

Date Example – Ajax (jQuery)

http://localhost:8080/DesigningForAjax/date/dateAjaxjQuery.html

Gmail del.icio.us Firebug Lite Dropbox GitHub

Really Simple Address Book

Name:

Email:

Phone:

Street:

City: State: Zip:

Website:

IM:

Birthday:

Save

```
  <link type="text/css" href="../themes/ui-lightness/ui.all.css" rel="stylesheet" />
  <script src="../javascript/jquery.js" type="text/javascript"></script>
  <script src="../javascript/jqueryUI/ui.core.js" type="text/javascript"></script>
  <script src="../javascript/jqueryUI/ui.datepicker.js" type="text/javascript"></script>
  <script type="text/javascript">
  $(function() {
      $("#datepicker").datepicker();
  });  </script>
</head>
<body class="">
  <h1>Really Simple Address Book</h1>
  <div class="demo">
  <form>
    <table>
      <tbody>
        <tr><td>Name: </td><td><input type="text" name="name"/></td></tr>
        <tr><td>Email: </td><td><input type="text" name="email"/></td></tr>
        <tr><td>Phone: </td><td><input type="text" name="phone"/></td></tr>
        <tr><td>Street: </td><td><input type="text" name="street"/></td></tr>
        <tr>
          <td>City: </td><td><input type="text" id="city"/></td>
          <td>State: </td><td><input type="text" id="state" size="2" maxlength="2"/></td>
          <td>Zip: </td><td><input type="text" id="zip" size="5" maxlength="5"/></td>
        </tr>
        <tr>
          <td>Website: </td><td><input type="text" name="website"/></td>
        </tr>
        <tr>
          <td>IM: </td><td><input type="text" name="im"/></td>
        </tr>
        <tr>
          <td>Birthday: </td>
          <td>
              <input type="text" id="datepicker"/>
```

http://www.flickr.com/photos/ramdac/373881476/

by Jason Gulledge

Can you say easy button?

But I want options!

No worries.

Defaults are usually good.

But plenty of options.

Constructors take optional configuration.

For example...

What about month and year selection?

Date Example – Ajax (jQuery)

http://localhost:8080/DesigningForAjax/date/dateAjaxjQuery.html

Gmail del.icio.us Firebug Lite Dropbox GitHub

Really Simple Address Book

Name:

Email:

Phone:

Street:

City: State: Zip:

Website:

IM:

Birthday:

Save

No problem!

```
  <link type="text/css" href="../themes/ui-lightness/ui.all.css" rel="stylesheet" />
  <script src="../javascript/jquery.js" type="text/javascript"></script>
  <script src="../javascript/jqueryUI/ui.core.js" type="text/javascript"></script>
  <script src="../javascript/jqueryUI/ui.datepicker.js" type="text/javascript"></script>
  <script type="text/javascript">
  $(function() {
      $("#datepicker").datepicker();
  });  </script>
</head>
<body class="">
  <h1>Really Simple Address Book</h1>
  <div class="demo">
  <form>
    <table>
      <tbody>
        <tr><td>Name: </td><td><input type="text" name="name"/></td></tr>
        <tr><td>Email: </td><td><input type="text" name="email"/></td></tr>
        <tr><td>Phone: </td><td><input type="text" name="phone"/></td></tr>
        <tr><td>Street: </td><td><input type="text" name="street"/></td></tr>
        <tr>
          <td>City: </td><td><input type="text" id="city"/></td>
          <td>State: </td><td><input type="text" id="state" size="2" maxlength="2"/></td>
          <td>Zip: </td><td><input type="text" id="zip" size="5" maxlength="5"/></td>
        </tr>
        <tr>
          <td>Website: </td><td><input type="text" name="website"/></td>
        </tr>
        <tr>
          <td>IM: </td><td><input type="text" name="im"/></td>
        </tr>
        <tr>
          <td>Birthday: </td>
          <td>
              <input type="text" id="datepicker"/>
```

http://www.flickr.com/photos/ramdac/373881476/

by Jason Gulledge

How about that easy button?

Not the only options...

Supports localization.

Date range restrictions, multi months, date formats.

Dialog.

Modality.

Web isn’t very conducive to wizards...

Do you like pop-ups?

Do your users?

We have options now!

“Looks” like a popup...but it’s not.

Can actually be modal.

Lightbox Page Example – Ajax (jQuery)

http://localhost:8080/DesigningForAjax/lightbox/lightboxAjaxjQuery.html

Gmail del.icio.us Firebug Lite Dropbox GitHub

Really Simple Address Book

Name	Phone	Email
Scott Davis	555.1122	scott@nospam.com
Venkat Subramaniam	444.3333	ramnikat@nospam.com
David Hussman	333.1122	dh@nospam.com
Charles Nutter	777.1122	jrubyrulz@nospam.com

Add Contact

```html
<html>
    <head>
        <title>Lightbox Page Example - Ajax (jQuery)</title>
        <link type="text/css" href="../themes/ui-lightness/ui.all.css" rel="stylesheet" />

        <script src="../javascript/jquery.js" type="text/javascript"></script>
        <script src="../javascript/jqueryUI/ui.core.js" type="text/javascript"></script>
        <script src="../javascript/jqueryUI/ui.draggable.js" type="text/javascript" ></script>
        <script src="../javascript/jqueryUI/ui.resizable.js" type="text/javascript" ></script>
        <script src="../javascript/jqueryUI/ui.dialog.js" type="text/javascript" ></script>
        <script src="../javascript/jqueryUI/effects.core.js" type="text/javascript" ></script>
        <script src="../javascript/jqueryUI/effects.highlight.js" type="text/javascript" ></script>
        <style type="text/css">
            body div { font-size: 62.5%; }
            label, input { display:block; }
            input.text { margin-bottom:12px; width:95%; padding: .4em; }
            fieldset { padding:0; border:0; margin-top:25px; }
            h1 { font-size: 1.2em; margin: .6em 0; }
            div#users-contain {  width: 350px; margin: 20px 0; }
            div#users-contain table { margin: 1em 0; border-collapse: collapse; width: 100%; }
            div#users-contain table td, div#users-contain table th { border: 1px solid #eee;
                padding: .6em 10px; text-align: left; }
            .ui-button { outline: 0; margin:0; padding: .4em 1em .5em; text-decoration:none;
                !important; cursor:pointer; position: relative; text-align: center; }
            .ui-dialog .ui-state-highlight, .ui-dialog .ui-state-error { padding: .3em;  }
        </style>
        <script type="text/javascript">

            $(function() {

                var name = $("#name"),
                email = $("#email"),
                phone = $("#phone"),
                allFields = $([]).add(name).add(email).add(phone),
```

```html
<html>
    <head>
        <title>Lightbox Page Example - Ajax (jQuery)</title>
        <link type="text/css" href="../themes/ui-lightness/ui.all.css" rel="stylesheet" />

        <script src="../javascript/jquery.js" type="text/javascript"></script>
        <script src="../javascript/jqueryUI/ui.core.js" type="text/javascript"></script>
        <script src="../javascript/jqueryUI/ui.draggable.js" type="text/javascript" ></script>
        <script src="../javascript/jqueryUI/ui.resizable.js" type="text/javascript" ></script>
        <script src="../javascript/jqueryUI/ui.dialog.js" type="text/javascript" ></script>
        <script src="../javascript/jqueryUI/effects.core.js" type="text/javascript" ></script>
        <script src="../javascript/jqueryUI/effects.highlight.js" type="text/javascript" ></script>
        <style type="text/css">
            body div { font-size: 62.5%; }
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            input.text { margin-bottom:12px; width:95%; padding: .4em; }
            fieldset { padding:0; border:0; margin-top:25px; }
            h1 { font-size: 1.2em; margin: .6em 0; }
            div#users-contain {  width: 350px; margin: 20px 0; }
            div#users-contain table { margin: 1em 0; border-collapse: collapse; width: 100%; }
            div#users-contain table td, div#users-contain table th { border: 1px solid #eee;
                padding: .6em 10px; text-align: left; }
            .ui-button { outline: 0; margin:0; padding: .4em 1em .5em; text-decoration:none;
                !important; cursor:pointer; position: relative; text-align: center; }
            .ui-dialog .ui-state-highlight, .ui-dialog .ui-state-error { padding: .3em;  }
        </style>
        <script type="text/javascript">

            $(function() {

                var name = $("#name"),
                email = $("#email"),
                phone = $("#phone"),
                allFields = $([]).add(name).add(email).add(phone),
```

```
function updateTips(t) {
    tips.text(t).effect("highlight",{},1500);
}

function checkLength(o,n,min,max) {

    if ( o.val().length > max || o.val().length < min ) {
        o.addClass('ui-state-error');
        updateTips("Length of " + n + " must be between "+min+" and "+max+".");
        return false;
    } else {
        return true;
    }

}

$("#dialog").dialog({
    bgiframe: true,
    autoOpen: false,
    height: 300,
    modal: true,
    buttons: {
        'Add a Contact': function() {
            var bValid = true;
            allFields.removeClass('ui-state-error');

            bValid = bValid && checkLength(name,"username",3,16);
            bValid = bValid && checkLength(email,"email",6,80);
            bValid = bValid && checkLength(phone,"phone",7,12);

            if (bValid) {
                $('#contacts tbody').append('<tr>' +
                    '<td>' + name.val() + '</td>' +
                    '<td>' + phone.val() + '</td>' +
                    '<td>' + email.val() + '</td>' +
```

```
                },
                Cancel: function() {
                    $(this).dialog('close');
                }
            },
            close: function() {
                allFields.val('').removeClass('ui-state-error');
            }
        });



        $('#create-user').click(function() {
            $('#dialog').dialog('open');
        })
        .hover(
        function(){
            $(this).addClass("ui-state-hover");
        },
        function(){
            $(this).removeClass("ui-state-hover");
        }
        ).mousedown(function(){
            $(this).addClass("ui-state-active");
        })
        .mouseup(function(){
            $(this).removeClass("ui-state-active");
        });

    });
    </script>
</head>
<body>
    <h1>Really Simple Address Book</h1>
    <table id="contacts">
```

What about a minified file?

Download builder!

Pick your components.

Handles dependencies.

Gives you a custom minified file.

Can also pick and tweak themes.

Themes.

Default theme is fine.

But it's not your only option.

ThemeRoller.

http://jqueryui.com/themeroller/

Pick a prebuilt theme.

jQuery UI – ThemeRoller

jQuery | Plugins | UI | Blog | About | Donate

jQuery user interface

Download | Demos & Documentation | Themes | Development | Support

New! Bring ThemeRoller into any page: Get the ThemeRoller Firefox Bookmarklet!

ThemeRoller

Roll Your Own | Gallery | Help

UI lightness — Download | Edit

UI darkness — Download | Edit

Smoothness — Download | Edit

Start — Download | Edit

Redmond — Download | Edit

Sunny — Download | Edit

Accordion

Section 1

Mauris mauris ante, blandit et, ultrices a, suscipit eget, quam. Integer ut neque. Vivamus nisi metus, molestie vel, gravida in, condimentum sit amet, nunc. Nam a nibh. Donec suscipit eros. Nam mi. Proin viverra leo ut odio. Curabitur malesuada. Vestibulum a velit eu ante scelerisque vulputate.

Section 2

Section 3

Tabs

First | Second | Third

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

Dialog

Open Dialog

Slider

Datepicker

February 2010

Su	Mo	Tu	We	Th	Fr	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28						

Progressbar

Highlight / Error

Hey! Sample ui-state-highlight style.

Alert: Sample ui-state-error style.

Don’t like those options?

jQuery UI – ThemeRoller

New! Bring ThemeRoller into any page: Get the ThemeRoller Firefox Bookmarklet!

ThemeRoller

Roll Your Own | Gallery | Help

Download theme

Font Settings

Corner Radius

Corners: 5px

Note: ThemeRoller uses CSS3 border-radius for corner rounding, which is not currently supported by Internet Explorer.

Header/Toolbar

Background color & texture

#2191c 75 %

Border #4297d | Text #eaf5f7 | Icon #d8e7f3

Content

Clickable: default state

Clickable: hover state

Clickable: active state

Highlight

Error

Background color & texture

#e14f1c 45 %

Border #cd0a0a | Text #ffffff | Icon #fcd113

Accordion

Section 1

Mauris mauris ante, blandit et, ultrices a, suscipit eget, quam. Integer ut neque. Vivamus nisi metus, molestie vel, gravida in, condimentum sit amet, nunc. Nam a nibh. Donec suscipit eros. Nam mi. Proin viverra leo ut odio. Curabitur malesuada. Vestibulum a velit eu ante scelerisque vulputate.

Section 2

Section 3

Tabs

First | Second | Third

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

Dialog

Open Dialog

Overlay and Shadow Classes

Lorem ipsum dolor sit amet, Nulla nec tortor. Donec id elit quis purus consec

Nam c ornare

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor

nenatis dui nec

Slider

Datepicker

February 2010

Su	Mo	Tu	We	Th	Fr	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28						

Progressbar

Highlight / Error

Hey! Sample ui-state-highlight style.

Alert: Sample ui-state-error style.

Tweak away!

WYSIWYG.

jQuery UI – ThemeRoller

jQuery Plugins UI Blog About Donate

jQuery user interface

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New! Bring ThemeRoller into any page: Get the ThemeRoller Firefox Bookmarklet!

ThemeRoller

Roll Your Own Gallery Help

Download theme

Font Settings

Corner Radius

Header/Toolbar abc

Background color & texture

#476f8(75 %

Error abc

Modal Screen for Overlays

Drop Shadows

Accordion

Section 1

Mauris mauris ante, blandit et, ultrices a, suscipit eget, quam. Integer ut neque. Vivamus nisi metus, molestie vel, gravida in, condimentum sit amet, nunc. Nam a nibh. Donec suscipit eros. Nam mi. Proin viverra leo ut odio. Curabitur malesuada. Vestibulum a velit eu ante scelerisque vulputate.

Section 2

Section 3

Tabs

First Second Third

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Dialog

Open Dialog

Slider

Datepicker

February 2010

Su	Mo	Tu	We	Th	Fr	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28						

Progressbar

Highlight / Error

Hey! Sample ui-state-highlight style.

Alert: Sample ui-state-error style.

jQuery UI – ThemeRoller

http://jqueryui.com/themeroller/#ffDefault=Verdana%2CArial%2Csans-serif&fwDefau

Loading...

Google

Gmail del.icio.us Firebug Lite Dropbox GitHub

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Roll Your Own Gallery Help

Download theme

- Font Settings
- Corner Radius
- Header/Toolbar abc
- Content abc
- Clickable: default state abc
- Clickable: hover state abc
- Clickable: active state abc
- Highlight abc
- Error abc
- Modal Screen for Overlays
- Drop Shadows

Accordion

Section 1

Mauris mauris ante, blandit et, ultrices a, suscipit eget, quam. Integer ut neque. Vivamus nisi metus, molestie vel, gravida in, condimentum sit amet, nunc. Nam a nibh. Donec suscipit eros. Nam mi. Proin viverra leo ut odio. Curabitur malesuada. Vestibulum a velit eu ante scelerisque vulputate.

Section 2

Section 3

Tabs

First Second Third

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Dialog

Open Dialog

Button

A button element

Choice 1 Choice 2 Choice 3

Autocomplete

Slider

Datepicker

March 2010

Su	Mo	Tu	We	Th	Fr	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

Progressbar

Better than hand rolled CSS?

You can also modify the CSS directly.

Or write it all yourself!

Plugins.

We’ve looked at a couple of widgets.

But you’ve got other options.

Hundreds of extensions.

Divided into categories.

Ajax, animation, events, menus, navigation, etc.

Searchable.

User ratings.

Paradox of choice?

Variable quality...

Compatibility issues.

“playing the "which JQuery version" will make all of these different plugins work! Arrggghhh! #jquery”

Brian Sam-Bodden

http://twitter.com/bsbodden/status/9155328185

Not all bad ;)

Want to build an iPhone app?

But don’t want to deal with the app store?

Or Objective-C?

HTML5 and JavaScript!

jQTouch.

http://www.jqtouch.com/

Speaking of mobile...

jQuery Mobile.

http://jquerymobile.com/

Touch optimized for phones and tablets.

Cross platform...
and device.

Graded browser support.

Common look and feel.

Smartphone Mobile UI elements

v.0.3 - August 11, 2010

filament group inc.

Buttons

Done | Done | Done

Back | Back | Back

Menu | Menu | Menu

Toolbar

Back | Title

Cancel | Form | Save

Search bar

Search...

Active search

Connected tabs

Tab A | Tab B | Tab C

This is a simple connected tab that sets the on tab to the content clock to visually connect them and is best for grouping content inside a panel or page.

List view

Back | Title

Foo

Line item title 6:24 PM
This secondary line of text runs full

Line item title 6:24 PM
This secondary line of text runs full

Line item title 6:24 PM
This secondary line of text runs full

Line item title 6:24 PM
This secondary line of text runs full

Line item title 6:24 PM
This secondary line of text runs full

Line item title 6:24 PM

Features | News | Posts | Shop | More

List item variations

Simple list item

Simple list item, selected

Simple list item, checked

Simple, drilldown

Simple, optional drilldown

Edit panel & form elements

Cancel | Form | Save

Photos

TOGGLE ON — On

TOGGLE OFF — Off

SLIDER
3 seconds

SEGMENTED — Off | Low | High

DRILL MENU — 3D Cube Flip

POPUP MENU — After 5 minutes

INPUT — John's Slideshow

DATEPICKER — July 15, 2010

SPINNER — 10:30 | AM

INPUT — No need to round these too much or it takes away a lot of space for typing.

RADIO — Radio button A / Radio button B

CHECKBOX — Checkbox A / Checkbox B

Popup menu

(4-6 items max, drill page for more)

Never

After 5 minutes

After 15 minutes

On device key lock

July 2010

				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

Dialog

Brand spanking new.

Back to plugins!

Many, many more...

Very extensible.

Help!

http://docs.jquery.com/Main_Page

Good tutorials.

Plenty of books.

Some are online!

http://jqfundamentals.com/book/book.html

Google friendly ;)

Code is well written.

Easy to read.

Mailing list is vibrant.

http://docs.jquery.com/Discussion

Using jQuery and Firefox?

FireQuery.

http://firequery.binaryage.com/
https://addons.mozilla.org/en-US/firefox/addon/12632/

Want to experiment with jQuery?

jQuerify bookmarklet.

What about Prototype?

Great library.

Which one is better?

It depends!

Honestly, both are great.

Can’t go wrong either way.

Passion on both sides...

Pros and cons.

http://blog.thinkrelevance.com/2009/1/12/why-i-still-prefer-prototype-to-jquery

Play with them.

Which one solves your problems?

Don’t like either?

Luckily, you've got plenty of choices!

Questions?!?

Thanks!

Please complete your surveys.