

Using jQuery and CSS to Gain Easy Wins in CiviCRM

The CMS agnostic, cross browser way to get (mostly) what you want

By Stuart from Korlon LLC (find me as "Stoob")

Why is this method OK to use?

- CiviCRM already uses jQuery and CSS
- jQuery and CSS can be used with any CMS supported by CiviCRM: Drupal, Joomla, Wordpress - any version
- jQuery takes the guesswork out of cross-browser script compatibility issues
- jQuery cures disease and feeds children ;-)

What are some common uses?

- Showing and hiding certain parts of a form
- Changing label width and label contents
- Hiding tabs and hiding fields unnecessary in your use case
- Adding headers, changing styles, adding descriptive text

When do I use what?

- Showing and hiding certain parts of a form
- Changing label width and label contents
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jQuery is red. CSS is blue. Magenta is either.
...and CiviCRM loves you.

Why do it this way?

- No merging/diffing .tpl or .php files each time you upgrade Civi
- No modules and PHP that are different for each CMS. Reuse code & save time
- Requires no knowledge of Smarty or PHP
- Flexibility to add jQuery/CSS wherever you want: blocks, templates, modules, themes...

Why not do it this way?

- When you require actual security. These methods only hide, show and alter things
- When your user base turns off Javascript
- When you want to manipulate data and processing, not just presentation and UI
- Because you feel more comfortable doing it another way

How do I jQuery?

```
<script>  
  jQuery goes here.  
</script>
```

in a Drupal block, Joomla module, template, or theme but... Drupal 7 now uses a [wrapper](#) like:

```
<script>  
(function ($) {  
  jQuery goes here.  
} (jQuery));  
</script>
```

How do I CSS?

- Add CSS to your theme, template, or block that is called *after* civicrm.css. This should override whatever CSS defaults there are
- Suggest not configuring alternate civicrm.css file or editing this file directly
- Use Firebug or Chrome to inspect element, use exact or more specific selector to override

Do's and Don'ts

1. **Don't** use `drupal_add_js()` function
2. **Do** make sure that wherever you are putting the jQuery reads it as `<script>`. Don't use filters or input modes that wreck it
3. If put in Smarty tpl, **do** `<literal>` tags like:

```
<literal>  
  <script> your code </script>  
</literal>
```

Cool Trick! `whatever.extra.tpl`

Save yourself the headache of diff'ing or merging `.tpl` on upgrade.

1. Create custom TPL directory ([read docs](#))
2. Rather than add the whole file name it `whatever.extra.tpl`
3. It will be appended to the end of the file each time
4. As of 4.2 will even work with `/n/` versions

Thanks Dave Greenberg!

Do's and Don'ts

4. **Do** use visibility settings to limit the `<script>` to CiviCRM where you want it such as:
`civicrm/contribute/transact`

5. **Do** use javascript to limit the code to the specific page you want using `id=N` in URL

```
<script>  
if (document.location.href.indexOf('id=N') > 0 ) { ... }  
</script>
```

6. **Do** use the `cj("id#element")` namespace

CSS Commonly Used

```
element#id { display: none; }
element.class { width: Npx; }
element#id {
    text-decoration: none;
    font-weight: normal;
}
element#id.double.class { float: clear; }
```

You may have to get specific like:

```
#content #crm-container div.class { }
```

jQuery Commonly Used

- **.hide() and .show()**
- **.click()**
- **.val()**
- **.before() and .after()**
- **.html()**
- **.replaceWith()**
- **.change()**
- **.ready()**
- **.addClass() and removeClass()**

Real Example: Price Set Subheaders

```
<style type="text/css">
  div.date-subheader { width:
22%; font-weight: bold; text-
align: right; }
</style>
<script>
cj("div.
Panel_Presentations_in_Collabor-
section").before("<div
class='crm-section date-
subheader'>Thursday, May
24</div>");
</script>
```

**Inserted into page.php in
Wordpress theme.**

Thursday, May 24 

Panel Presentations in
Collaboration With the U.S.
Capitol Historical Society 3:00-5:00pm
Location: U.S. Capitol Visitor Center Auditor

Welcome Reception 5:00pm-7:00pm
Location: U.S. Capitol Visitor Center Atrium.

Friday, May 25 

Attend Panel Discussion:
Moving Forward in the wake
of the House Page Program
Closure 10:00am-12:00noon
Location TBA. No cost to attend.

Real Example: Simple Activities

This is an actual 'create activity' screen in Civi simplified for non-techie users to show only the fields that matter.

New Monthly Client Visit(s)

Please record the **total minutes** for this **month** for this client.

Date * Time

Duration in **minutes** Enter the total time spent for this month with this client, i

Pick the any day of the month in which the visit(s) occurred. Please enter **one month at a time**. T
month and year of the visit(s) being entered now. Add up all the **minutes** spent with this client ove
Thanks!

Real Example: Simple Activities

This is what it
used to look like.

New Monthly Client Visit(s)

Added By *

With Contact

Assigned To

You can optionally assign this activity to someone. Assigned activities will appear in their Activity Dashboard. A copy of this activity will be emailed to each Assignee.

Subject

Location

Date * Time

Duration Total time spent on this activity (in minutes).

Status *

Details

B I U Font Size

Real Example: Simple Activities

First get the activity type id#, then go nuts with `hide()`, `replaceWith()` and `before()`

```
if (getParameterByName('atype')) {
    var choice = getParameterByName('atype');
    if (choice == '12') {
        cj("tr.crm-activity-form-block-source_contact_id").hide();
        cj("tr.crm-activity-form-block-location").hide();
        cj("tr.crm-activity-form-block-subject").hide();
        cj("tr.crm-activity-form-block-assignee_contact_id").hide();
        cj("tr.crm-activity-form-block-duration label").replaceWith("<label
for='duration'>...
        cj("tr.crm-activity-form-block-target_contact_id").before("<tr>...
```

Real Example: Peekaboo Forms

Show a Profile on a contribution form only when a user selects an option.

1. Find the correct Contribution page with: `document.location.href.indexOf('id=N') > 0`

2. Find the id# of the element you want to trigger and use it:

```
$('#input#CIVICRM_QFID_4_4').click(function() {  
    cj(".custom_post_profile-group").show();  
});
```

3. While you're at it, preselect the state:

```
cj("select#state_province-6").val('1045');
```

4. And trigger a 'same as' address copy:

```
cj('#custom_6\\[Yes\\]').click(function() {  
    cj("#city-7").val($("#city-6").val());  
});
```