

## Website Input - Feature #1149

### Interactively allow creation of selector

01/14/2016 05:42 AM - Luke Murphey

<b>Status:</b>	Closed	<b>Start date:</b>	01/15/2016
<b>Priority:</b>	Urgent	<b>Due date:</b>	
<b>Assignee:</b>	Luke Murphey	<b>% Done:</b>	100%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>			
<b>Description</b> Add the ability to interactively create a selector from the UI.  This can be done with something like the SelectorGadget ( <a href="http://selectorgadget.com/">http://selectorgadget.com/</a> ). It could work like this:  <ol style="list-style-type: none"><li>1. Have a link to open the defined web-page with the selector gadget loaded and the selector set accordingly</li><li>2. If a URL is not yet defined, then just show a warning</li><li>3. Add in a dialog that tells the user that the red box is for removing matches</li></ol>			
<b>Subtasks:</b>			
Task # 1150: Include selector gadget			Closed
Task # 1151: Wire up hook to set URL in selector window			Rejected
Task # 1152: Wire up hook to get selector from selector window			Rejected
Task # 1153: Wire up hook to set selector in selector window			Rejected
Task # 1154: Wire up close button to close selector window			Rejected
Task # 1155: Improve loading screen			Closed
Task # 1156: Remove xpath dialog			Rejected
Task # 1157: Improve instructions			Closed

### History

#### #1 - 01/14/2016 05:48 AM - Luke Murphey

- <http://blog.caplin.com/2013/02/26/superselector-a-javascript-gui-tool-to-generate-css-selectors/>
- <https://github.com/cantino/selectorgadget>
- <https://flutter.social/bookmarklet>

#### #2 - 01/14/2016 05:55 AM - Luke Murphey

If using selector gadget, changes include:

- Nicer loading screen
- Guidance that you should click red boxes to limit matches
- Callback so that selector info is sent back to input page
- Close button should close the page too
- Needs to support setting the selector externally
- Remove xpath option
- Might want to disable links (or obtain link from page if it changes)

#### #3 - 02/07/2016 03:42 AM - Luke Murphey

Turns out that you can't do this. The browser won't allow it unless they are on the same domain (<https://github.com/cantino/selectorgadget/pull/4>).

#### #4 - 02/08/2016 06:56 PM - Luke Murphey

Could include this as a bookmarklet.

#### #5 - 05/27/2016 02:01 AM - Luke Murphey

I might be able to make this happen by making a proxy within Splunk. I could use `rewrite_links()` within `lxml` to re-write the links ( <http://stackoverflow.com/questions/5789127/how-to-replace-links-using-lxml-and-iterlinks>).

#### #6 - 09/21/2016 07:01 AM - Luke Murphey

To try the proxy, I would need:

1. To write a simple Python proxy within Splunk (authentication would need to be required)
2. Re-write the URLs accordingly
3. Put restrictions on the proxy requests (authenticated user, would need the ability to create a `web_input`, size limitation)

#### #7 - 11/11/2016 01:24 AM - Luke Murphey

Some thoughts:

- Might want to block following links in the iframe
- Allowing following the links using the internal proxy (and updating the URL accordingly)

#### #8 - 11/11/2016 06:12 AM - Luke Murphey

<https://github.com/cantino/selectorgadget>

#### #9 - 11/11/2016 07:34 AM - Luke Murphey

The `DomPredictionHelper` is what is used to make the CSS selector. See [https://github.com/cantino/selectorgadget/blob/master/spec/test\\_sites/test/testDom.html](https://github.com/cantino/selectorgadget/blob/master/spec/test_sites/test/testDom.html).

[https://www.reddit.com/r/webdev/comments/1xh1g6/does\\_there\\_exist\\_a\\_dom\\_navigator\\_that\\_calculates/](https://www.reddit.com/r/webdev/comments/1xh1g6/does_there_exist_a_dom_navigator_that_calculates/)

```
var Predict = new DomPredictionHelper();
$(document.body).on('click', function (e) {
    var elem = document.elementFromPoint(e.clientX, e.clientY);
    alert(Predict.getPathsFor([elem]));
});
```

#### #10 - 11/11/2016 08:16 PM - Luke Murphey

Some things I don't like about the current approach:

- There may be a race condition when applying the JS to the iframe
- The code for loading the css and JS in the iframe is ugly. Use something like the `addStylesheet()` function in Slideshow ( <http://lukemurphey.net/projects/splunk-slideshow/repository/entry/trunk/src/appserver/static/js/views/SlideshowSetupView.js>).

**#11 - 11/18/2016 04:34 AM - Luke Murphey**

*- Status changed from New to Closed*