

Website Input - Feature #1149

Interactively allow creation of selector

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

Status: Closed	Start date: 01/15/2016
Priority: Urgent	Due date:
Assignee: Luke Murphey	% Done: 100%
Category:	Estimated time: 0.00 hour
Target version:	
Description Add the ability to interactively create a selector from the UI. This can be done with something like the SelectorGadget (http://selectorgadget.com/). It could work like this: <ol style="list-style-type: none">1. Have a link to open the defined web-page with the selector gadget loaded and the selector set accordingly2. If a URL is not yet defined, then just show a warning3. Add in a dialog that tells the user that the red box is for removing matches	
Subtasks:	
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://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