**How the jsPlumb Connection Should Work**

**Setting up the sources and targets**

use .makeSource to set the main idea. Main ideas will point to post\_ID 1 as their head, so we will have to echo that code in php with a class name that indicates as much. Probably something like this:

<?php echo '<div class="head\_' . $headID . '" id="' . $postID . '"><p>' . $content . '</p></div>';

There will likely be more classes added to these to facilitate css styling. The Javascript is below. We shouldn't require any direct contact between php and JS.

// get the list of ".smallWindow" elements.

var smallWindows = jsPlumb.getSelector("#3249");

var babyWindows = jsPlumb.getSelector(".head\_3249");

instance.makeSource(".head\_1", {

filter:"a",

filterExclude:true,

maxConnections: -1,

endpoint:[ "Dot", { radius: 7, cssClass:"small-blue" } ],

anchor:sourceAnchors

});

// configure the .smallWindows as targets.

instance.makeTarget(smallWindows, {

dropOptions: { hoverClass: "hover" },

anchor:"Top",

endpoint:[ "Dot", { radius: 2, cssClass:"large-green" } ]

});

instance.makeSource(smallWindows, {

filter:"a",

filterExclude:true,

endpoint:[ "Dot", { radius: 7, cssClass:"small-blue" } ],

anchor:sourceAnchors

});

// configure the .babyWindows as targets.

instance.makeTarget(babyWindows, {

dropOptions: { hoverClass: "hover" },

anchor:"Top",

endpoint:[ "Dot", { radius: 2, cssClass:"large-green" } ]

});

These parameters are flexible. They are outlined in the jsPlumb website. Using .makeTarget, we can set all subsequent divs as targets. Divs can be both targets and sources.

**Making Connections**

Using the a few for loops should take care of this:

$('.smallWindow').each( function(i,e) {

/\* you can use e.id instead of $(e).attr('id') \*/

cons.push($(e).attr('id'));

});

var i = 0;

for (i=0; i<5; i++){

instance.connect({ source:"sourceWindow1", target: cons[i], type:"basic" });

}

var consb = [];

$('.babyWindow').each( function(i,e) {

/\* you can use e.id instead of $(e).attr('id') \*/

consb.push($(e).attr('id'));

});

var i = 0;

for (i=0; i<3; i++){

instance.connect({ source:"targetWindow2", target: consb[i], type:"basic" });

}

**Getting All Connections**

This is pseudo code. Assuming all div ID's are set to post\_ID and all classes include a head\_(post\_ID) class, this should work:

for all div:

get post\_ID of div -> a

targetClass = "head\_" + a

set div as SOURCE

targets = array of ID's for all class=targetClass

set targets as TARGET

for each targets

connect(SOURCE to TARGETS)