```
/* See license.txt for terms of usage */
define([
    "firebug/lib/object",
    "firebug/firebug"
    "firebug/chrome/firefox",
    "firebug/chrome/reps",
    "firebug/lib/locale"
    "firebug/lib/events",
    "firebug/lib/wrapper"
    "firebug/lib/array",
    "firebug/lib/css"
    "firebug/lib/dom"
    "firebug/lib/xml",
    "firebug/chrome/window",
    "firebug/lib/system",
    "firebug/html/highlighterCache"
function(Obj, Firebug, Firefox, FirebugReps, Locale, Events, Wrapper, Arr, Css, Dom, Xml,
    Win, System, HighlighterCache) {
//
     ************************************
     ** //
// Constants
const inspectDelay = 200;
const highlightCssUrl = "chrome://firebug/content/html/highlighter.css";
const ident = HighlighterCache.ident;
const Cu = Components.utils;
     *************************************
     ** //
// Globals
var boxModelHighlighter = null;
var frameHighlighter = null;
     /**
* @module Implements Firebug Inspector logic.
Firebug.Inspector = Obj.extend(Firebug.Module,
    dispatchName: "inspector",
    inspecting: false,
    inspectingPanel: null,
    /**
     * Main highlighter method. Can be used to highlight elements using the box model,
     * frame or image map highlighters. Can highlight single or multiple elements.
     * Examples:
     * Firebug.Inspector.highlightObject([window.content.document.getElementById("gbar"),
           window.content.document.getElementById("logo")],
           window.content, "frame", null, ["#ff0000", {background:"#0000ff", border:"#ff0000"}])
     *
     * or
     * Firebug.Inspector.highlightObject([window.content.document.getElementById("gbar"),
           window.content.document.getElementById("logo")], window.content, "boxModel", null,
    [{content: "#ff0000", padding: "#eeeeee", border: "#00ff00", margin: "#0000ff"}]
    {content: "#00ff00", padding: "#eeeeee", border: "#00ff00", margin: "#0000ff"}])
     *
     * @param {Array} elementArr Elements to highlight
     * @param {Window} context Context of the elements to be highlighted 
* @param {String} [highlightType] Either "frame" or "boxModel". Default is configurable.
     * @param {String} [boxFrame] Displays the line guides for the box model layout view.

* Valid values are: "content", "padding", "border" or "margin"
     * @param {String | Array} [colorObj] Any valid html color e.g. red, #f00, #ff0000, etc.,
            a valid color object or any valid highlighter color array.
     */
    highlightObject: function(elementArr, context, highlightType, boxFrame, colorObj)
        var i, elt, elementLen, oldContext, usingColorArray;
```

```
var highlighter = highlightType ? getHighlighter(highlightType) : this.
      defaultHighlighter;
if (!elementArr || !Arr.isArrayLike(elementArr))
    // Not everything that comes through here is wrapped - fix that.
    elementArr = Wrapper.wrapObject(elementArr);
    // highlight a single element
    if (!elementArr || !Dom.isElement(elementArr) |
        (typeof elementArr === "object" && !Xml.isVisible(elementArr)))
    {
        if (elementArr && Dom.isRange(elementArr))
            elementArr = elementArr;
        else if (elementArr && elementArr.nodeType == Node.TEXT_NODE)
            elementArr = elementArr.parentNode;
            elementArr = null;
    }
    if (elementArr && context && context.highlightTimeout)
    {
        context.clearTimeout(context.highlightTimeout);
        delete context.highlightTimeout;
    }
    oldContext = this.highlightedContext;
    if (oldContext && oldContext.window)
        this.clearAllHighlights();
    // Stop multi element highlighting
    if (!elementArr)
        this.repaint.element = null;
    this.highlighter = highlighter;
    this.highlightedContext = context;
      (elementArr)
    {
        if (elementArr.nodeName && !isVisibleElement(elementArr))
            highlighter.unhighlight(context);
        else if (context && context.window && context.window.document)
            highlighter.highlight(context, elementArr, boxFrame, colorObj, false);
    else if (oldContext)
        oldContext.highlightTimeout = oldContext.setTimeout(function()
            if (FBTrace.DBG_INSPECT)
                FBTrace.sysout("Removing inspector highlighter due to setTimeout loop");
            if (!oldContext.highlightTimeout)
                return;
            delete oldContext.highlightTimeout;
            if (oldContext.window && oldContext.window.document)
                highlighter.unhighlight(oldContext);
        }, inspectDelay);
    }
}
else
    // Highlight multiple elements
    if (context && context.highlightTimeout)
    {
        context.clearTimeout(context.highlightTimeout);
        delete context.highlightTimeout;
    }
    this.clearAllHighlights();
    usingColorArray = Arr.isArray(colorObj);
    if (context && context.window && context.window.document)
    {
        for (i=0, elementLen=elementArr.length; i<elementLen; i++)</pre>
```

```
{
                // Like above, wrap things.
                elt = Wrapper.wrapObject(elementArr[i]);
                if (elt && elt instanceof HTMLElement)
                {
                    if (elt.nodeType == Node.TEXT_NODE)
                        elt = elt.parentNode;
                    var obj = usingColorArray ? colorObj[i] : colorObj;
                    highlighter.highlight(context, elt, null, obj, true);
            }
        }
        storeHighlighterParams(null, context, elementArr, null, colorObj, highlightType,
               true);
    }
},
/**
 * Clear all highlighted areas on a page.
*/
clearAllHighlights: function()
    HighlighterCache.clear();
},
/**
 * Toggle inspecting on / off
 * @param {Window} [context] The window to begin inspecting in, necessary to toggle
       inspecting on.
*/
toggleInspecting: function(context)
    if (this inspecting)
        this.stopInspecting(true);
    else
        this.startInspecting(context);
},
 * Check if the new panel has the inspectable property set. If so set it as the new
       inspectingPanel.
onPanelChanged: function()
    if (this.inspecting)
        var panelBar1 = Firebug.chrome.$("fbPanelBar1");
        var panel = panelBar1.selectedPanel;
        if (panel && panel.inspectable)
            this.inspectNode(null);
            this.inspectingPanel = panel;
        }
    }
},
/**
 * Turn inspecting on.
 * @param {Window} context The main browser window
*/
startInspecting: function(context)
    if (this.inspecting || !context || !context.loaded)
        return;
    this.clearAllHighlights();
    this.inspecting = true;
    this.inspectingContext = context;
    Firebug.chrome.setGlobalAttribute("cmd_firebug_toggleInspecting", "checked", "true");
    this.attachInspectListeners(context);
    var inspectingPanelName = this._resolveInspectingPanelName(context);
```

```
this.inspectingPanel = Firebug.chrome.switchToPanel(context, inspectingPanelName);
    if (Firebug.isDetached())
        context.window.focus();
    else if (Firebug.isMinimized())
        Firebug.showBar(true);
    this.inspectingPanel.panelNode.focus();
    this.inspectingPanel.startInspecting();
   Events.dispatch(this.fbListeners, "onStartInspecting", [context]);
    if (context.stopped)
        Firebug.Debugger.thaw(context);
    var hoverNodes = context.window.document.querySelectorAll(":hover");
    if (hoverNodes.length != 0)
        this.inspectNode(hoverNodes[hoverNodes.length-1]);
},
/**
* Highlight a node using the frame highlighter. Can only be used after inspecting has
      already started.
* @param {Element} node The element to inspect
inspectNode: function(node)
    if (node && node.nodeType != Node.ELEMENT_NODE)
        node = node.parentNode;
    if (node && Firebug.shouldIgnore(node) && !node.fbProxyFor)
        return;
    var context = this.inspectingContext;
    if (this.inspectTimeout)
        context.clearTimeout(this.inspectTimeout);
        delete this.inspectTimeout;
    if (node && node.fbProxyFor)
        node = node.fbProxyFor;
    var inspectingPanel = this.inspectingPanel;
    // Some panels may want to only allow inspection of panel-supported objects
   node = inspectingPanel ? inspectingPanel.getInspectNode(node) : node;
    var highlightColor = inspectingPanel ? inspectingPanel.inspectHighlightColor : "";
    this.highlightObject(node, context, "frame", undefined, highlightColor);
    this.inspectingNode = node;
    if (node)
        var _this = this;
        this.inspectTimeout = context.setTimeout(function()
            var selection = inspectingPanel ? inspectingPanel.inspectNode(node) : null;
            Events.dispatch(_this.fbListeners, "onInspectNode", [context, node]);
            if (selection)
                inspectingPanel.select(node);
        }, inspectDelay);
   }
},
/**
* Stop inspecting and clear all highlights.
* @param {Boolean} canceled Indicates whether inspect was canceled (usually via the escape
      key)
* @param {Boolean} [waitForClick] Indicates whether the next click will still forward you
*
       to the clicked element in the HTML panel.
*/
stopInspecting: function(canceled, waitForClick)
```

```
if (!this.inspecting)
       return:
   var context = this.inspectingContext;
    if (context.stopped)
       Firebug.Debugger.freeze(context);
   if (this.inspectTimeout)
       context.clearTimeout(this.inspectTimeout);
       delete this.inspectTimeout;
   }
   this.detachInspectListeners(context);
   if (!waitForClick)
        this.detachClickInspectListeners(context.window);
   Firebug.chrome.setGlobalAttribute("cmd_firebug_toggleInspecting", "checked", "false");
   this.inspecting = false;
    if (this.inspectingPanel)
       Firebug.chrome.unswitchToPanel(context, this.inspectingPanel.name, canceled);
       this.inspectingPanel.stopInspecting(this.inspectingNode, canceled);
   }
   else
   {
       FBTrace.sysout("inspector.stopInspecting; ERROR? inspectingPanel is NULL");
   }
   Events.dispatch(this.fbListeners, "onStopInspecting", [context, this.inspectingNode,
          canceled]);
   this.inspectNode(null);
   // Make sure there are no (indirect) references to the page document.
   this.inspectingPanel = null;
   this inspectingContext = null;
    if (Firebug.isDetached())
       window.focus():
/**
\ast Get the name of the inspectable panel.
* @param {Window} context Context of the panel
*/
resolveInspectingPanelName: function(context)
   var requestingPanel = context && context.getPanel(context.panelName);
   return (requestingPanel && requestingPanel.inspectable) ? requestingPanel.name : "html";
/**
* Inspect from context menu.
* @param {Element} elt The element to inspect
*/
inspectFromContextMenu: function(elt)
   var panel;
   var inspectingPanelName = "html";
   Firebug.toggleBar(true, inspectingPanelName);
   Firebug.chrome.select(elt, inspectingPanelName);
   panel = Firebug.chrome.selectPanel(inspectingPanelName);
   panel.panelNode.focus();
/**
* Navigate up and down through the DOM and highlight the result. This method is used by
* the key handlers for the up and down arrow keys.
* @param {String} dir Direction to navigate the Dom, either "up" or "down"
*/
inspectNodeBy: function(dir)
```

},

},

},

```
{
   var target;
   var node = this.inspectingNode;
   if (dir == "up")
       target = Firebug.chrome.getNextObject();
   else if (dir == "down")
       target = Firebug.chrome.getNextObject(true);
       if (node && !target)
           target = node.contentDocument ?
               node.contentDocument.documentElement : Dom.getNextElement(node.firstChild);
       }
   }
   if (target && Dom.isElement(target))
       this.inspectNode(target);
   else
       System.beep();
},
/**
* Repaint the highlighter. Called from the window scroll and resize handlers.
*/
repaint: function()
{
   var rp = this.repaint;
   var highlighter = rp.highlighter;
   var context = rp.context;
   var element = rp.element;
   var boxFrame = rp.boxFrame;
   var color0bj = rp.color0bj;
   var highlightType = rp.highlightType;
   var isMulti = rp.isMulti;
   if (!context || (!highlighter && !isMulti))
       return;
   if (isMulti && element)
   {
       this.highlightObject(element, context, highlightType, null, colorObj);
   else if (!isMulti)
       var highlighterNode = HighlighterCache.get(highlighter.ident);
       if (highlighterNode && highlighter.ident === ident.boxModel)
           highlighterNode = highlighterNode.offset;
       if (highlighterNode && highlighterNode.parentNode)
           this.clearAllHighlights();
           highlighter.highlight(context, element, boxFrame, colorObj, isMulti);
       }
   }
},
* //
/**
* Attach the scroll and resize handlers to elt's window. Called from every highlight call.
* @param {Element} elt Passed in order to reliably obtain context
*/
attachRepaintInspectListeners: function(context, elt)
   if (!elt || !elt.ownerDocument || !elt.ownerDocument.defaultView)
       return:
   var win = elt.ownerDocument.defaultView;
   if (FBTrace.DBG INSPECT)
       FBTrace.sysout("inspector.attachRepaintInspectListeners to " + win.location.href,
              elt);
```

```
// there is no way to check if the listeners have already been added and we should
    // avoid adding properties to the users page.
    // Adding them again will do no harm so lets just do that.
    // xxxHonza: I think that adding them twice could actually do harm,
    // so make sure they are removed before.
    context.removeEventListener(win.document, "resize", this.onInspectingResizeWindow, true)
    context.removeEventListener(win.document, "scroll", this.onInspectingScroll, true);
    // Register again.
    context.addEventListener(win.document, "resize", this.onInspectingResizeWindow, true);
context.addEventListener(win.document, "scroll", this.onInspectingScroll, true);
},
/**
 * Attach key and mouse events to windows recursively.
 * @param {Window} context Context of the main browser window
*/
attachInspectListeners: function(context)
    var win = context.window;
    if (!win || !win.document)
         return;
    if (FBTrace.DBG_INSPECT)
         FBTrace.sysout("inspector.attachInspectListeners to all subWindows of " + win.
                 location);
    var chrome = Firebug.chrome;
    this.keyListeners =
         chrome.keyCodeListen("RETURN", null, Obj.bindFixed(this.stopInspecting, this)),
chrome.keyCodeListen("ESCAPE", null, Obj.bindFixed(this.stopInspecting, this, true))
         chrome.keyCodeListen("UP", Events.isControl, Obj.bindFixed(this.inspectNodeBy, this,
              "up"), true),
         chrome.keyCodeListen("DOWN", Events.isControl, Obj.bindFixed(this.inspectNodeBy,
                 this,
             "down"), true),
    ];
    Win.iterateWindows(win, Obj.bind(function(subWin)
    {
         if (FBTrace.DBG_INSPECT)
             Events.addEventListener(subWin.document, "mouseover", this.onInspectingMouseOver,
             true):
         Events.addEventListener(subWin.document, "mousedown", this.onInspectingMouseDown,
             true):
         Events.addEventListener(subWin.document, "mouseup", this.onInspectingMouseUp, true); Events.addEventListener(subWin.document, "click", this.onInspectingClick, true); Events.addEventListener(subWin.document, "keypress", this.onInspectingKeyPress, true
                 );
    }, this));
},
/**
 * Remove all event listeners except click listener from windows recursively.
 * @param {Window} context Context of the main browser window
detachInspectListeners: function(context)
    var i, keyListenersLen;
    var win = context.window;
    if (!win || !win.document)
         return:
    var chrome = Firebug.chrome;
    if (this.keyListeners) // XXXjjb for some reason this is null sometimes.
         keyListenersLen = this.keyListeners.length;
         for (i = 0; i < keyListenersLen; ++i)</pre>
```

```
chrome.keyIgnore(this.keyListeners[i]);
       delete this keyListeners;
   }
   Win.iterateWindows(win, Obj.bind(function(subWin)
       Events.removeEventListener(subWin.document, "mouseover", this.onInspectingMouseOver,
       Events.removeEventListener(subWin.document, "mousedown", this.onInspectingMouseDown,
           true):
       Events.removeEventListener(subWin.document, "mouseup", this.onInspectingMouseUp,
               true);
       Events.removeEventListener(subWin.document, "keypress", this.onInspectingKeyPress,
           true);
   }, this));
},
/**
* Remove the click listener independently from detachInspectListeners because if we remove
* it after mousedown, we won't be able to cancel clicked links.
* @param {Window} context Context of the main browser window
*/
detachClickInspectListeners: function(context)
   Win.iterateWindows(context, Obj.bind(function(subWin)
       Events.removeEventListener(subWin.document, "click", this.onInspectingClick, true);
   }, this));
},
* //
/**
* Repaint last highlight in the correct position on window resize.
* @param {Event} event Passed for tracing
onInspectingResizeWindow: function(event)
    if (FBTrace.DBG INSPECT)
      FBTrace.sysout("onInspectingResizeWindow event", event);
   this.repaint();
},
/**
* Repaint last highlight in the correct position on scroll.
* @param {Event} event Passed for tracing
onInspectingScroll: function(event)
   if (FBTrace.DBG INSPECT)
      FBTrace.sysout("onInspectingScroll event", event);
   this.repaint();
},
/**
* Call inspectNode(event.target) highlighting the element that was moused over.
* @param {Event} event Passed for tracing and to identify the target of inspection
onInspectingMouseOver: function(event)
    if (FBTrace.DBG INSPECT)
      FBTrace.sysout("onInspectingMouseOver event", event);
   this.inspectNode(event.target);
},
/**
* Trap mousedown events to prevent clicking a document from triggering a document's
* mousedown event when inspecting.
* @param {Event} event Used for tracing and canceling the event
*/
onInspectingMouseDown: function(event)
```

```
if (FBTrace.DBG_INSPECT)
        FBTrace.sysout("onInspectingMouseDown event", {originalTarget: event.originalTarget,
            tmpRealOriginalTarget:event.tmpRealOriginalTarget, event:event});
    }
    // Allow to scroll the document while inspecting
    if (event.originalTarget && event.originalTarget.tagName == "xul:thumb")
        return:
    Events.cancelEvent(event);
},
/**
* Trap mouseup events to prevent clicking a document from triggering a document's mouseup
 * event when inspecting.
 * @param {Event} event Used for tracing and canceling the event
*/
onInspectingMouseUp: function(event)
    if (FBTrace.DBG_INSPECT)
        FBTrace.sysout("onInspectingMouseUp event", {originalTarget: event.originalTarget,
            tmpRealOriginalTarget:event.tmpRealOriginalTarget,event:event});
    }
    // Allow to release scrollbar while inspecting
    if (event.originalTarget && event.originalTarget.tagName == "xul:thumb")
        return:
    this.stopInspecting(false, true);
    Events.cancelEvent(event);
},
/**
 * Trap click events to prevent clicking a document from triggering a document's click event
 * when inspecting and removes the click inspect listener.
 * @param {Event} event Used for tracing and canceling the event
 */
onInspectingClick: function(event)
    if (FBTrace.DBG_INSPECT)
        FBTrace.sysout("onInspectingClick event", event);
    var win = event.currentTarget.defaultView;
    if (win)
    {
        win = Win.getRootWindow(win);
        this.detachClickInspectListeners(win);
    }
    Events.cancelEvent(event);
},
* Trap keypress events to allow manipulation of the hovered elements
 * @param {Event} event Used for canceling the event
onInspectingKeyPress: function(event)
    if (event.keyCode == KeyEvent.DOM_VK_DELETE)
    {
        Events.dispatch(this.fbListeners, "onBeginFirebugChange", [this.inspectingNode, this
               ]);
        this.inspectingNode.parentNode.removeChild(this.inspectingNode);
        Events dispatch(this fbListeners, "onEndFirebugChange", [this inspectingNode, this])
        Events.cancelEvent(event);
    }
},
  * * * * * * * *
     * //
// extends Module
```

```
/**
 * Initialize the inspector
 */
initialize: function()
    Firebug.Module.initialize.apply(this, arguments);
    this.onInspectingResizeWindow = Obj.bind(this.onInspectingResizeWindow, this);
    this.onInspectingScroll = Obj.bind(this.onInspectingScroll, this);
    this.onInspectingMouseOver = Obj.bind(this.onInspectingMouseOver, this);
    this onInspectingMouseDown = Obj.bind(this onInspectingMouseDown, this);
    this.onInspectingMouseUp = Obj.bind(this.onInspectingMouseUp, this);
    this.onInspectingClick = Obj.bind(this.onInspectingClick, this);
    this.onInspectingKeyPress = Obj.bind(this.onInspectingKeyPress, this);
    this.onPanelChanged = Obj.bind(this.onPanelChanged, this);
    this.updateOption("shadeBoxModel", Firebug.shadeBoxModel);
    this.updateOption("showQuickInfoBox", Firebug.showQuickInfoBox);
    var panelBar1 = Firebug.chrome.$("fbPanelBar1");
    Events.addEventListener(panelBar1, "selectPanel", this.onPanelChanged, false);
    if (FBTrace.DBG_INSPECT)
        FBTrace.sysout("inspector.initialize;");
},
shutdown: function()
    Firebug.Module.shutdown.apply(this, arguments);
    var panelBar1 = Firebug.chrome.$("fbPanelBar1");
    Events.removeEventListener(panelBar1, "selectPanel", this onPanelChanged, false);
},
/**
 * Stop inspecting and delete timers.
 * @param {Window} context Context of the main window
destroyContext: function(context)
    if (context.highlightTimeout)
    {
        context.clearTimeout(context.highlightTimeout);
        delete context.highlightTimeout;
    }
    if (this.inspecting)
        this.stopInspecting(true);
},
/**
unwatchWindow: function(context, win)
    try
    {
        this.hideQuickInfoBox();
    }
        // Get unfortunate errors here sometimes, so let's just ignore them since the
        // window is going away anyhow
},
/**
 * Called when a FF tab is created or activated (user changes FF tab). We stop inspecting
 * in this situation.
* @param {xul:browser} [browser] Browser
 * @param {Window} [context] The main browser window
 */
showContext: function(browser, context)
    if (this.inspecting)
        this.stopInspecting(true);
},
```

```
/**
 * Called when a panel is shown.
 * @param {xul:browser} [browser] Browser
 * @param {Panel} [panel] Panel
 */
showPanel: function(browser, panel)
    // Don't disable the cmd_toggleInspecting command. The related shortcut <key> must
    // be available even if Firebug is not activated for the site. See 4452 // The panel can be null (if disabled) so use the global context.
    // var context = Firebug.currentContext;
    // var disabled = (context && context.loaded) ? false : true;
    // Firebug.chrome.setGlobalAttribute("cmd_firebug_toggleInspecting", "disabled",
           disabled);
},
/**
 * Called after a context's page gets DOMContentLoaded. We enable inspection here.
 * @param {Window} [context] Context of the main window
*/
loadedContext: function(context)
    // See the comment in showPanel.
    // Firebug.chrome.setGlobalAttribute("cmd_firebug_toggleInspecting", "disabled",
           "false");
},
/**
 * Update the shadeBoxModel or showQuickInfoBox options
 * @param {String} name Either "shadeBoxModel" or "showQuickInfoBox"
 * @param {Boolean} value Enable or Disable the option
*/
updateOption: function(name, value)
    if (name == "shadeBoxModel")
        this.highlightObject(null);
        this.defaultHighlighter = value ? getHighlighter("boxModel") :
                getHighlighter("frame");
    else if(name == "showQuickInfoBox")
        quickInfoBox.boxEnabled = value;
    }
},
/**
 * Gets stylesheet by Url.
 * @param {Window} context the main browser window
 * @param {String} url URL of the stylesheet
getObjectByURL: function(context, url)
    var styleSheet = Css.getStyleSheetByHref(url, context);
    if (styleSheet)
        return styleSheet;
},
/**
* Toggle the quick info box.
toggleQuickInfoBox: function()
    var qiBox = Firebug.chrome.$("fbQuickInfoPanel");
    if (qiBox.state == "open")
        quickInfoBox.hide();
    quickInfoBox.boxEnabled = !quickInfoBox.boxEnabled;
    Firebug.Options.set("showQuickInfoBox", quickInfoBox.boxEnabled);
},
/**
 * Hide the quick info box.
hideQuickInfoBox: function()
```

```
{
       var giBox = Firebug.chrome.$("fbQuickInfoPanel");
       if (qiBox.state==="open")
           quickInfoBox.hide();
       this.inspectNode(null);
   },
   /**
    * Pass all quick info box events to quickInfoBox.handleEvent() for handling.
    * @param {Event} event Event to handle
    */
   quickInfoBoxHandler: function(event)
       quickInfoBox.handleEvent(event);
});
//
    ***********************************
    ** //
// Local Helpers
function getHighlighter(type)
{
   switch (type)
       case "boxModel":
           if (!boxModelHighlighter)
              boxModelHighlighter = new BoxModelHighlighter();
           return boxModelHighlighter;
       case "frame":
           if (!frameHighlighter)
              frameHighlighter = new Firebug.Inspector.FrameHighlighter();
           return frameHighlighter;
   }
}
function pad(element, t, r, b, l)
{
   var css = "padding:" + Math.abs(t) + "px " + Math.abs(r) + "px "
        + Math.abs(b) + "px " + Math.abs(l) + "px !important;";
   if (element)
       element.style.cssText = css;
   else
       return css;
}
function moveImp(element, x, y)
{
   var css = "left:" + x + "px !important;top:" + y + "px !important;";
   if (element)
       element.style.cssText = css;
   else
       return css;
}
function resizeImp(element, w, h)
   var css = "width:" + w + "px !important;height:" + h + "px !important;";
   if (element)
       element.style.cssText = css;
   else
       return css;
}
//
    ** //
// Imagemap Highlighter
```

```
function getImageMapHighlighter(context)
    if (!context)
        return;
    var canvas, ctx, mx, my;
   var doc = context.window.document;
    var init = function(elt)
        if (elt)
            doc = elt.ownerDocument;
        canvas = doc.getElementById("firebugCanvas");
        if (!canvas)
            canvas = doc.createElementNS("http://www.w3.org/1999/xhtml", "canvas");
            hideElementFromInspection(canvas);
            canvas.id = "firebugCanvas";
            canvas.className = "firebugResetStyles firebugBlockBackgroundColor firebugCanvas";
            canvas.width = context.window.innerWidth;
            canvas.height = context.window.innerHeight;
            Events.addEventListener(context.window, "scroll", function()
                context.imageMapHighlighter.show(false);
            }, true);
            Events.addEventListener(doc, "mousemove", function(event)
                mx = event.clientX;
                my = event.clientY;
            }, true);
            doc.body.appendChild(canvas);
       }
   };
    if (!context.imageMapHighlighter)
        context.imageMapHighlighter =
            ident: ident.imageMap,
            show: function(state)
                if (!canvas)
                    init(null);
                canvas.style.cssText = "display:"+(state ? "block" : "none")+" !important";
            },
            getImages: function(mapName, multi)
                if (!mapName)
                    return;
                var xpe = new XPathEvaluator();
                var nsResolver = xpe.createNSResolver(doc.documentElement);
                var elts = xpe.evaluate("//map[@name='" + mapName + "']", doc,
                    nsResolver, XPathResult.ORDERED_NODE_SNAPSHOT_TYPE, null);
                if (elts.snapshotLength === 0)
                    return:
                elts = xpe.evaluate("(//img | //input)[@usemap='#" + mapName + "']"
                    doc.documentElement, nsResolver, XPathResult.ORDERED_NODE_SNAPSHOT_TYPE,
                             null);
                var eltsLen = elts.snapshotLength;
                var images = [];
                for (var i = 0; i < eltsLen; ++i)</pre>
                    var elt = elts.snapshotItem(i);
                    var rect = Dom.getLTRBWH(elt);
```

```
if (multi)
             images.push(elt);
        }
        else if (rect.left <= mx && rect.right >= mx && rect.top <= my &&
             rect.bottom >= my)
        {
             images[0] = elt;
            break;
        }
    }
    return images;
},
highlight: function(eltArea, multi)
    if (!eltArea || !eltArea.coords)
        return;
    var images = this.getImages(eltArea.parentNode.name, multi) || [];
    init(eltArea);
    var v = eltArea.coords.split(",");
    if (!ctx)
        ctx = canvas.getContext("2d");
    ctx.fillStyle = "rgba(135, 206, 235, 0.7)";
    ctx.strokeStyle = "rgb(44, 167, 220)";
    ctx.lineWidth = 2;
    if (images.length == 0)
        images[0] = eltArea;
    for (var j = 0, imagesLen = images.length; j < imagesLen; ++j)
        var rect = Dom.getLTRBWH(images[j], context);
        ctx.beginPath();
        if (!multi || (multi && j===0))
            ctx.clearRect(0, 0, canvas.width, canvas.height);
        var shape = eltArea.shape.toLowerCase();
        if (shape === "rect")
            ctx.rect(rect.left + parseInt(v[0], 10), rect.top + parseInt(v[1], 10),
                       v[2] - v[0], v[3] - v[1]);
        else if (shape === "circle")
            ctx.arc(rect.left + parseInt(v[0], 10) + ctx.lineWidth / 2, rect.top + parseInt(v[1], 10) + ctx.lineWidth / 2, v[2], 0, Math.PI / 180
                       * 360, false);
        }
        else
            var vLen = v.length;
            ctx.moveTo(rect.left + parseInt(v[0], 10), rect.top + parseInt(v[1], 10)
            for (var i = 2; i < vLen; i += 2)
                 ctx.lineTo(rect.left + parseInt(v[i], 10), rect.top + parseInt(v[i +
                            1], 10));
            ctx.lineTo(rect.left + parseInt(v[0], 10), rect.top + parseInt(v[1], 10)
                       );
        }
        ctx.fill();
        ctx.stroke();
        ctx.closePath();
    }
    this.show(true);
},
```

```
destroy: function()
                 this.show(false);
                 canvas = null;
                 ctx = null;
            }
        };
    return context.imageMapHighlighter;
}
* //
var quickInfoBox =
    boxEnabled: undefined,
    dragging: false,
    storedX: null,
    storedY: null,
    prevX: null,
    prevY: null,
    show: function(element)
        if (!this.boxEnabled || !element)
            return;
        this.needsToHide = false;
        var domAttribs = ["nodeName", "id", "name", "offsetWidth", "offsetHeight"];
        var cssAttribs = ["position"];
        var compAttribs = [
            "width", "height", "zIndex", "position", "top", "right", "bottom", "left", "margin—top", "margin—right", "margin—bottom", "margin—left", "color", "backgroundColor", "fontFamily", "cssFloat", "display", "visibility"];
        var qiBox = Firebug.chrome.$("fbQuickInfoPanel");
        if (giBox.state==="closed")
             this.storedX = this.storedX || Firefox.getElementById("content").tabContainer.
                    box0bject.screenX + 5;
            this.storedY = this.storedY || Firefox.getElementById("content").tabContainer.
                    boxObject.screenY + 35;
            // Dynamically set noautohide to avoid mozilla bug 545265.
            if (!this.noautohideAdded)
                 this.noautohideAdded = true;
                 qiBox.addEventListener("popupshowing", function runOnce()
                     qiBox.removeEventListener("popupshowing", runOnce, false);
                     qiBox.setAttribute("noautohide", true);
                 }, false);
            qiBox.openPopupAtScreen(this.storedX, this.storedY, false);
        qiBox.removeChild(qiBox.firstChild);
        var vbox = document.createElement("vbox");
        qiBox.appendChild(vbox);
        var needsTitle = this.addRows(element, vbox, domAttribs);
        var needsTitle2 = this.addRows(element.style, vbox, cssAttribs);
        var lab;
        if (needsTitle || needsTitle2)
             lab = document.createElement("label");
            lab.setAttribute("class", "fbQuickInfoBoxTitle");
lab.setAttribute("value", Locale.$STR("quickInfo"));
            vbox.insertBefore(lab, vbox.firstChild);
        }
        lab = document.createElement("label");
        lab.setAttribute("class", "fbQuickInfoBoxTitle");
```

```
lab.setAttribute("value", Locale.$STR("computedStyle"));
    vbox.appendChild(lab);
    this.addRows(element, vbox, compAttribs, true);
},
hide: function()
    // if mouse is over panel defer hiding to mouseout to not cause flickering
    if (this.mouseover || this.dragging)
         this.needsToHide = true;
         return;
    }
    var qiBox = Firebug.chrome.$("fbQuickInfoPanel");
    this.prevX = null;
    this prevY = null:
    this needsToHide = false;
    qiBox.hidePopup();
},
handleEvent: function(event)
    switch (event.type)
         case "mousemove":
             if(!this.dragging)
                  return;
             var diffX, diffY,
                  boxX = this.qiBox.screenX,
                  boxY = this.qiBox.screenY,
                  x = event.screenX,
                  y = event.screenY;
             diffX = x - this.prevX;
diffY = y - this.prevY;
             this.qiBox.moveTo(boxX + diffX, boxY + diffY);
             this.prevX = x;
             this prevY = y;
             this storedX = boxX;
             this.storedY = boxY;
             break;
         case "mousedown":
             this.qiPanel = Firebug.chrome.$("fbQuickInfoPanel");
             this.qiBox = this.qiPanel.boxObject;
             Events.addEventListener(this.qiPanel, "mousemove", this, true);
Events.addEventListener(this.qiPanel, "mouseup", this, true);
             this.dragging = true;
             this.prevX = event.screenX;
             this.prevY = event.screenY;
             break;
         case "mouseup":
             Events.removeEventListener(this.qiPanel, "mousemove", this, true); Events.removeEventListener(this.qiPanel, "mouseup", this, true);
             this.qiPanel = this.qiBox = null;
             this.prevX = this.prevY = null;
             this.dragging = false;
             break;
         // this is a hack to find when mouse enters and leaves panel
         // it requires that #fbQuickInfoPanel have border case "mouseover":
             if(this.dragging)
                  return;
             this.mouseover = true;
             break;
         case "mouseout":
             if(this.dragging)
                  return;
             this.mouseover = false;
             // if hiding was defered because mouse was over panel hide it
             if (this.needsToHide && event.target.nodeName == "panel")
                  this.hide();
             break;
```

```
},
   addRows: function(domBase, vbox, attribs, computedStyle)
       if (!domBase)
           return;
       var needsTitle = false;
       for (var i = 0; i < attribs.length; i++)</pre>
           var value;
           if (computedStyle)
               var cs = getNonFrameBody(domBase).ownerDocument.defaultView.getComputedStyle
                       (domBase, null);
               value = cs.getPropertyValue(attribs[i]);
               if (value && /rgb\(\d+,\s\d+,\s\d+\)/.test(value))
                   value = rgbToHex(value);
           }
           else
           {
               value = domBase[attribs[i]];
           }
           if (value)
               needsTitle = true;
               var hbox = document.createElement("hbox");
               var lab = document.createElement("label");
               lab.setAttribute("class", "fbQuickInfoName");
               lab.setAttribute("value", attribs[i]);
               hbox.appendChild(lab);
               var desc = document.createElement("label");
               desc.setAttribute("class", "fbQuickInfoValue");
               desc.appendChild(document.createTextNode(": " + value));
               hbox.appendChild(desc);
               vbox.appendChild(hbox);
           }
       }
       return needsTitle;
   }
};
Firebug.Inspector.FrameHighlighter = function()
};
Firebug.Inspector.FrameHighlighter.prototype =
   ident: ident.frame,
    doNotHighlight: function(element)
       return false; // (element instanceof XULElement);
   },
   highlight: function(context, element, extra, colorObj, isMulti)
       if (this.doNotHighlight(element))
           return;
       // if a single color was passed in lets use it as the border color
       if (typeof colorObj === "string")
           colorObj = {background: "transparent", border: colorObj};
       else
           colorObj = colorObj || {background: "transparent", border: "highlight"};
       Firebug.Inspector.attachRepaintInspectListeners(context, element);
       storeHighlighterParams(this, context, element, null, colorObj, null, isMulti);
       var cs:
       var offset = Dom.getLTRBWH(element);
```

}

```
var x = offset.left, y = offset.top;
var w = offset.width, h = offset.height;
if (FBTrace.DBG_INSPECT)
    FBTrace.sysout("FrameHighlighter HTML tag:" + element.tagName + " x:" + x +
         ' y:" + y + " w:" + w + " h:" + h);
var wacked = isNaN(x) | | isNaN(y) | | isNaN(w) | | isNaN(h);
if (wacked)
    if (FBTrace.DBG_INSPECT)
        FBTrace.sysout("FrameHighlighter.highlight has bad boxObject for " + element.
                tagName);
    return;
}
if (element.tagName !== "AREA")
    if (FBTrace.DBG INSPECT)
        FBTrace.sysout("FrameHighlighter " + element.tagName);
    var body = getNonFrameBody(element);
    if (!body)
        return this.unhighlight(context);
    this.ihl && this.ihl.show(false);
    quickInfoBox.show(element);
    var highlighter = this.getHighlighter(context, isMulti);
    var bgDiv = highlighter.firstChild;
    var css = moveImp(null, x, y) + resizeImp(null, w, h);
    if (Dom.isElement(element))
        cs = body.ownerDocument.defaultView.getComputedStyle(element, null);
        if (cs.transform && cs.transform != "none")
   css += "transform: " + cs.transform + " !important;" +
                   "transform-origin: " + cs.transformOrigin + " !important;";
        if (cs.borderRadius)
            css += "border-radius: " + cs.borderRadius + " !important;";
        if (cs.borderTopLeftRadius)
            css += "border-top-left-radius: " + cs.borderTopLeftRadius + " !important;";
        if (cs.borderTopRightRadius)
            css += "border-top-right-radius: " + cs.borderTopRightRadius + " !
                      important;";
        if (cs.borderBottomRightRadius)
            css += "border-bottom-right-radius: " + cs.borderBottomRightRadius + "!
                      important;":
        if (cs.borderBottomLeftRadius)
            css += "border-bottom-left-radius: " + cs.borderBottomLeftRadius + " !
                     important;";
    css += "box-shadow: 0 0 2px 2px "+
        (color0bj && color0bj border ? color0bj border : "highlight")+"!important;";
    if (colorObj && colorObj.background)
        bgDiv.style.cssText = "width: 100%!important; height: 100%!important;" +
            "background-color: "+colorObj.background+"!important; opacity: 0.6!
                     important;";
    }
    else
    {
        bgDiv.style.cssText = "background-color: transparent!important;";
    highlighter.style.cssText = css;
    var needsAppend = !highlighter.parentNode || highlighter.ownerDocument != body.
           ownerDocument;
    if (needsAppend)
    {
        if (FBTrace.DBG INSPECT)
            FBTrace.sysout("FrameHighlighter needsAppend: " + highlighter.ownerDocument.
                     documentURI +
                " !?= " + body.ownerDocument.documentURI, highlighter);
```

```
attachStyles(context, body.ownerDocument);
                try
                {
                    body.appendChild(highlighter);
                }
                catch(exc)
                    if (FBTrace.DBG_INSPECT)
                       FBTrace.sysout("inspector.FrameHighlighter.highlight body.appendChild FAILS for body " +
                            body + " " + exc, exc);
                }
                // otherwise the proxies take up screen space in browser.xul
                if (element.ownerDocument && element.ownerDocument.contentType.indexOf("xul") ==
                    createProxiesForDisabledElements(body);
            }
       }
       else
        {
            this.ihl = getImageMapHighlighter(context);
            this.ihl.highlight(element, false);
        }
    },
    unhighlight: function(context)
        if (FBTrace.DBG INSPECT)
            FBTrace.sysout("FrameHighlighter unhighlight", context.window.location);
       var highlighter = this.getHighlighter(context);
        var body = highlighter.parentNode;
        if (body)
        {
            body.removeChild(highlighter);
            quickInfoBox.hide();
       }
        this.ihl && this.ihl.destroy();
        this.ihl = null;
    },
    getHighlighter: function(context, isMulti)
        if (!isMulti)
            var div = HighlighterCache.get(ident.frame);
            if (div)
                return div;
        }
        var doc = context.window.document;
       div = doc.createElementNS("http://www.w3.org/1999/xhtml", "div");
        var div2 = doc.createElementNS("http://www.w3.org/1999/xhtml", "div");
       hideElementFromInspection(div);
       hideElementFromInspection(div2);
       div.className = "firebugResetStyles firebugBlockBackgroundColor";
div2.className = "firebugResetStyles";
       div.appendChild(div2);
        div.ident = ident.frame;
       HighlighterCache.add(div);
        return div;
    }
* //
function BoxModelHighlighter()
```

};

}

Firebug.Inspector.BoxModelHighlighter = BoxModelHighlighter;

```
BoxModelHighlighter.prototype =
    ident: ident.boxModel,
    highlight: function(context, element, boxFrame, colorObj, isMulti)
        var line, contentCssText, paddingCssText, borderCssText, marginCssText,
           nodes = this.getNodes(context, isMulti),
           highlightFrame = boxFrame ? nodes[boxFrame] : null;
       // if a single color was passed in lets use it as the content box color
       if (typeof colorObj === "string")
           colorObj = {content: colorObj, padding: "SlateBlue", border: "#444444", margin:
                   '#EDFF64"};
       else
           color0bj = color0bj || {content: "SkyBlue", padding: "SlateBlue", border: "#444444",
                   margin: "#EDFF64"};
       Firebug.Inspector.attachRepaintInspectListeners(context, element);
       storeHighlighterParams(this, context, element, boxFrame, colorObj, null, isMulti);
       if (context.highlightFrame)
           Css.removeClass(context.highlightFrame, "firebugHighlightBox");
        if (element.tagName !== "AREA")
           this.ihl && this.ihl.show(false);
           quickInfoBox.show(element);
           context.highlightFrame = highlightFrame;
           if (highlightFrame)
           {
               Css.setClass(nodes.offset, "firebugHighlightGroup");
               Css.setClass(highlightFrame, "firebugHighlightBox");
           }
           else
               Css.removeClass(nodes.offset, "firebugHighlightGroup");
           var win = (element.ownerDocument ? element.ownerDocument.defaultView : null);
           if (!win)
           var style = win.getComputedStyle(element, "");
           if (!style)
               if (FBTrace.DBG_INSPECT)
                   FBTrace.sysout("highlight: no style for element" + element, element);
               return:
           }
           var styles = Css.readBoxStyles(style);
           var offset = Dom.getLTRBWH(element);
           var x = offset.left - Math.abs(styles.marginLeft);
           var y = offset.top - Math.abs(styles.marginTop);
           var w = offset.width - (styles.paddingLeft + styles.paddingRight + styles.borderLeft
                  + styles.borderRight);
           var h = offset.height - (styles.paddingTop + styles.paddingBottom + styles.borderTop
                   + styles.borderBottom);
           moveImp(nodes.offset, x, y);
           marginCssText = pad(null, styles.marginTop, styles.marginRight, styles.marginBottom,
                   styles.marginLeft);
           borderCssText = pad(null, styles.borderTop, styles.borderRight, styles.borderBottom,
           contentCssText = resizeImp(null, w, h);
           // element.tagName !== "BODY" for issue 2447. hopefully temporary, robc
           var showLines = Firebug.showRulers && boxFrame && element.tagName !== "BODY";
           if (showLines)
               var offsetParent = element.offsetParent;
               if (offsetParent)
                   this.setNodesByOffsetParent(win, offsetParent, nodes);
```

{

```
var left = x;
    var top = y;
    var width = w-1;
    var height = h-1;
    if (boxFrame == "content")
        left += Math.abs(styles.marginLeft) + Math.abs(styles.borderLeft)
           + Math.abs(styles.paddingLeft);
        top += Math.abs(styles.marginTop) + Math.abs(styles.borderTop)
           + Math.abs(styles.paddingTop);
    else if (boxFrame == "padding")
        left += Math.abs(styles.marginLeft) + Math.abs(styles.borderLeft);
       top += Math.abs(styles.marginTop) + Math.abs(styles.borderTop);
       width += Math.abs(styles.paddingLeft) + Math.abs(styles.paddingRight);
        height += Math.abs(styles.paddingTop) + Math.abs(styles.paddingBottom);
    else if (boxFrame == "border")
        left += Math.abs(styles.marginLeft);
        top += Math.abs(styles.marginTop);
       width += Math.abs(styles.paddingLeft) + Math.abs(styles.paddingRight)
             + Math.abs(styles.borderLeft) + Math.abs(styles.borderRight);
        height += Math.abs(styles.paddingTop) + Math.abs(styles.paddingBottom)
           + Math.abs(styles.borderTop) + Math.abs(styles.borderBottom);
    else if (boxFrame == "margin")
       width += Math.abs(styles.paddingLeft) + Math.abs(styles.paddingRight)
            + Math.abs(styles.borderLeft) + Math.abs(styles.borderRight)
             + Math.abs(styles.marginLeft) + Math.abs(styles.marginRight);
        height += Math.abs(styles.paddingTop) + Math.abs(styles.paddingBottom)
           + Math.abs(styles.borderTop) + Math.abs(styles.borderBottom)
           + Math.abs(styles.marginTop) + Math.abs(styles.marginBottom);
    }
   moveImp(nodes.lines.top, 0, top);
moveImp(nodes.lines.right, left + width, 0);
    moveImp(nodes.lines.bottom, 0, top + height);
    moveImp(nodes.lines.left, left, 0);
var body = getNonFrameBody(element);
if (!body)
    return this unhighlight(context);
if (colorObj.content)
    nodes.content.style.cssText = contentCssText + " background-color: " + colorObj.
            content + " !important;";
    nodes.content.style.cssText = contentCssText + " background-color: #87CEEB !
            important;";
if (colorObj.padding)
    else
    nodes.padding.style.cssText = paddingCssText + " background-color: #6A5ACD !
            important;";
if (colorObj.border)
    nodes.border.style.cssText = borderCssText + " background-color: " + colorObj.
            border + " !important;";
    nodes.border.style.cssText = borderCssText + " background-color: #4444444 !
            important;";
if (colorObj.margin)
    nodes.margin.style.cssText = marginCssText + " background-color: " + colorObj.
            margin + " !important;";
else
    nodes.margin.style.cssText = marginCssText + " background-color: #EDFF64 !
            important;";
var needsAppend = !nodes.offset.parentNode
    || nodes.offset.parentNode.ownerDocument != body.ownerDocument;
```

}

```
if (needsAppend)
            attachStyles(context, body.ownerDocument);
            body.appendChild(nodes.offset);
        }
        if (showLines)
            if (!nodes.lines.top.parentNode)
                if (nodes.parent)
                    body.appendChild(nodes.parent);
                for (line in nodes.lines)
                    body.appendChild(nodes.lines[line]);
            }
        else if (nodes.lines.top.parentNode)
            if (nodes.parent)
                body.removeChild(nodes.parent);
            for (line in nodes.lines)
                body.removeChild(nodes.lines[line]);
        }
    }
    else
        this.ihl = getImageMapHighlighter(context);
        this.ihl.highlight(element, true);
},
unhighlight: function(context)
    HighlighterCache.clear();
    quickInfoBox.hide();
},
getNodes: function(context, isMulti)
    if (context.window)
        var doc = context.window.document;
        if (FBTrace.DBG_ERRORS && !doc)
            FBTrace.sysout("inspector getNodes no document for window:" + window.location);
        if (FBTrace.DBG_INSPECT && doc)
            FBTrace.sysout("inspect.getNodes doc: " + doc.location);
        if (!isMulti)
        {
            var nodes = HighlighterCache.get(ident.boxModel);
            if (nodes)
                return nodes;
        }
        var Ruler = "firebugResetStyles firebugBlockBackgroundColor firebugRuler
                firebugRuler";
        var Box = "firebugResetStyles firebugBlockBackgroundColor firebugLayoutBox
        firebugLayoutBox";
var CustomizableBox = "firebugResetStyles firebugLayoutBox";
        var Line = "firebugResetStyles firebugBlockBackgroundColor firebugLayoutLine
                firebugLayoutLine";
        function create(className, name)
        {
            var div = doc.createElementNS("http://www.w3.org/1999/xhtml", "div");
            hideElementFromInspection(div);
            if (className !== CustomizableBox)
                div.className = className + name;
                div.className = className;
            return div;
        }
```

```
nodes =
                 parent: create(Box, "Parent"),
                 rulerV: create(Ruler, "V"),
offset: create(Box, "Offset"),
                 margin: create(CustomizableBox, "Margin"),
border: create(CustomizableBox, "Border"),
                 padding: create(CustomizableBox, "Padding"),
content: create(CustomizableBox, "Content"),
                 lines: {
                     top: create(Line, "Top"),
                     right: create(Line, "Right"),
bottom: create(Line, "Bottom"),
left: create(Line, "Left")
                 }
            };
            nodes.parent.appendChild(nodes.rulerH);
            nodes.parent.appendChild(nodes.rulerV);
            nodes.offset.appendChild(nodes.margin);
            nodes.margin.appendChild(nodes.border);
            nodes.border.appendChild(nodes.padding);
            nodes.padding.appendChild(nodes.content);
        nodes.ident = ident.boxModel;
        HighlighterCache.add(nodes);
        return nodes;
    },
    setNodesByOffsetParent: function(win, offsetParent, nodes)
        var parentStyle = win.getComputedStyle(offsetParent, "");
        var parentOffset = Dom.getLTRBWH(offsetParent);
        var parentX = parentOffset.left + parseInt(parentStyle.borderLeftWidth, 10);
        var parentY = parentOffset.top + parseInt(parentStyle.borderTopWidth, 10);
        var parentW = offsetParent.offsetWidth-1;
        var parentH = offsetParent.offsetHeight-1;
        nodes.parent.style.cssText = moveImp(null, parentX, parentY) + resizeImp(null, parentW,
               parentH);
        if (parentX < 14)
             Css.setClass(nodes.parent, "overflowRulerX");
        else
             Css.removeClass(nodes.parent, "overflowRulerX");
        if (parentY < 14)
            Css.setClass(nodes.parent, "overflowRulerY");
        else
            Css.removeClass(nodes.parent, "overflowRulerY");
    }
     *************************************
     ** //
function getNonFrameBody(elt)
    if (Dom.isRange(elt))
    {
        elt = elt.commonAncestorContainer;
    var body = Dom.getBody(elt.ownerDocument);
    return (body.localName && body.localName.toUpperCase() === "FRAMESET") ? null : body;
function attachStyles(context, doc)
    if (!context.highlightStyleCache)
        context.highlightStyleCache = new WeakMap();
    var highlightStyleCache = context.highlightStyleCache;
    var style;
    if (highlightStyleCache.has(doc))
```

};

//

```
{
        style = highlightStyleCache.get(doc);
    }
    else
    {
        style = Css.createStyleSheet(doc, highlightCssUrl);
        highlightStyleCache.set(doc, style);
    }
    // Cater for the possiblity that someone might have removed our stylesheet.
    if (!style.parentNode)
        Css.addStyleSheet(doc, style);
}
function createProxiesForDisabledElements(body)
    var i, rect, div, node, cs, css,
        doc = body.ownerDocument,
        xpe = new XPathEvaluator();
        nsResolver = xpe.createNSResolver(doc.documentElement);
    var result = xpe.evaluate("//*[@disabled]", doc.documentElement,
        nsResolver, XPathResult.ORDERED_NODE_SNAPSHOT_TYPE, null);
    var l = result.snapshotLength;
    for (i=0; i<l; i++)
        node = result.snapshotItem(i);
        cs = body.ownerDocument.defaultView.getComputedStyle(node, null);
        rect = node.getBoundingClientRect();
        div = doc.createElementNS("http://www.w3.org/1999/xhtml", "div");
        hideElementFromInspection(div);
        div.className = "firebugResetStyles fbProxyElement";
        css = moveImp(null, rect.left, rect.top + body.scrollTop) + resizeImp(null, rect.width,
               rect.height);
        if (cs.transform && cs.transform != "none")
    css += "transform:" + cs.transform + " !important;" +
                   "transform-origin:" + cs.transformOrigin + " !important;";
        if (cs.borderRadius)
            css += "border-radius:" + cs.borderRadius + " !important;";
        if (cs.borderTopLeftRadius)
            css += "border-top-left-radius:" + cs.borderTopLeftRadius + " !important;";
        if (cs.borderTopRightRadius)
            css += "border-top-right-radius:" + cs.borderTopRightRadius + " !important;";
        if (cs.borderBottomRightRadius)
            css += "border-bottom-right-radius:" + cs.borderBottomRightRadius + " !important;";
        if (cs.borderBottomLeftRadius)
            css += "border-bottom-left-radius:" + cs.borderBottomLeftRadius + " !important;";
        div.style.cssText = css;
        div.fbProxyFor = node;
        body.appendChild(div);
        div.ident = ident.proxyElt;
        HighlighterCache.add(div);
    }
}
function rgbToHex(value)
{
    return value.replace(\ ((d{1,3}),\s*(d{1,3}),\s*(d{1,3})))gi, function(_, r, g, b)
        return "#"+((1 << 24) + (r << 16) + (g << 8) + (b << 0)).toString((16)).substr((-6)).
               toUpperCase();
    });
}
function isVisibleElement(elt)
    var invisibleElements =
            "head": true,
            "base": true,
            "basefont": true,
            "isindex": true,
            "link": true,
            "meta": true.
```

```
"script": true,
"style": true,
"title": true
       };
   return !invisibleElements[elt.nodeName.toLowerCase()];
}
function hideElementFromInspection(elt)
{
   if (!FBTrace.DBG_INSPECT)
       Firebug.setIgnored(elt);
}
// highlightType is only to be used for multihighlighters
function storeHighlighterParams(highlighter, context, element, boxFrame, colorObj,
   highlightType, isMulti)
{
   var fir = Firebug.Inspector.repaint;
   fir.highlighter = highlighter;
   fir.context = context;
   fir.element = element;
   fir.boxFrame = boxFrame;
   fir.color0bj = color0bj;
   fir.highlightType = highlightType;
   fir.isMulti = isMulti;
   Firebug.Inspector.highlightedContext = context;
}
//
    ***********************************
    ** //
// Registration
Firebug.registerModule(Firebug.Inspector);
return Firebug.Inspector;
//
    ************************************
    ** //
});
```