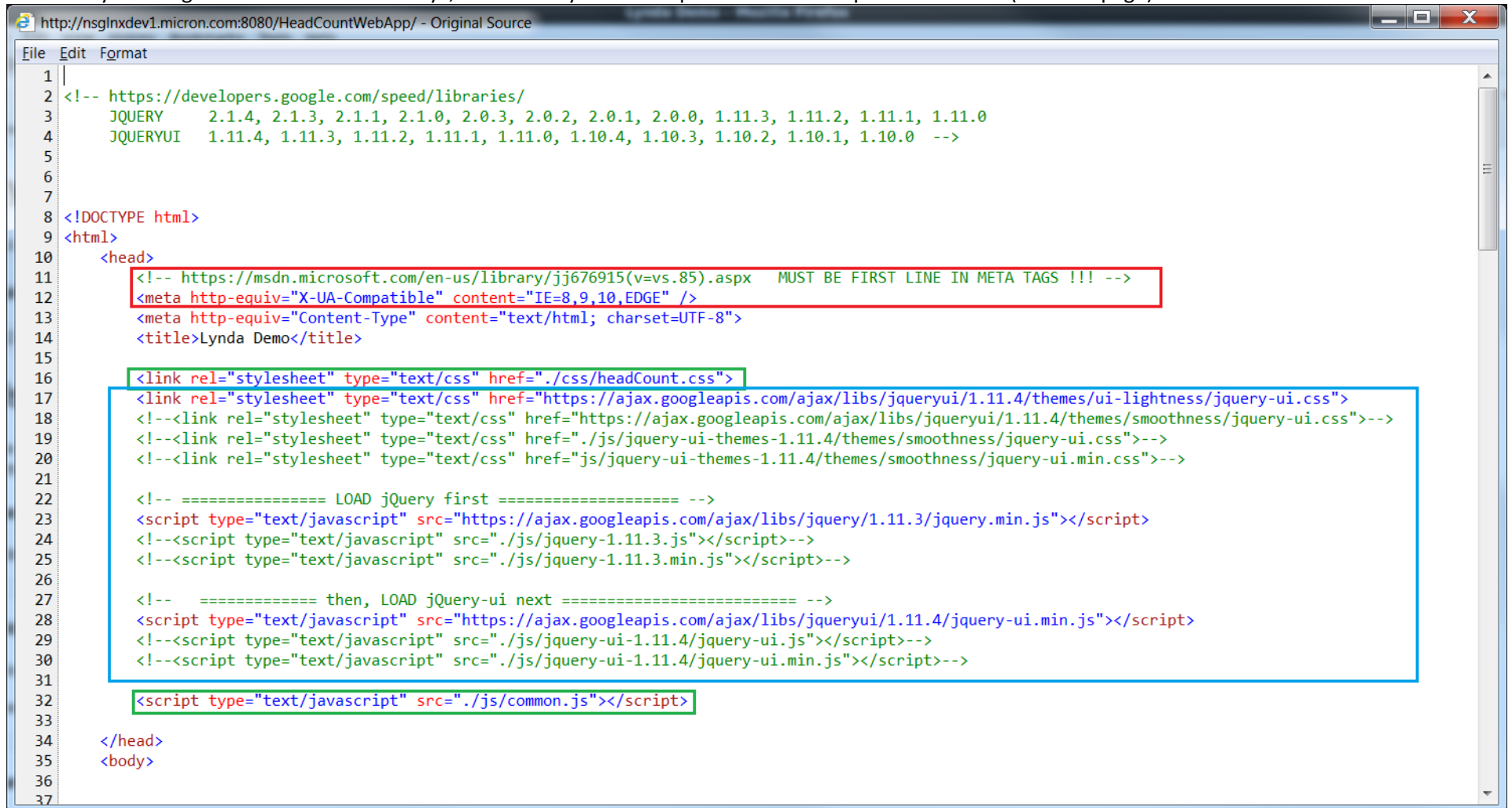# jQuery and jQuery UI gotchas for HTML 5 rendering.

1. Put this META tag in your html, php, jsp, etc… to allow this page to NOT load in compatability mode. You are trying to use HTML 5 when you are using jQuery UI, so if Internet Explorer is the only browser that is giving you heartache, then "Here's your sign!".
   a. Agent strings http://www.useragentstring.com/pages/Internet%20Explorer/
   b. Turn on/off compatability mode. http://www.sevenforums.com/tutorials/1196-internet-explorer-compatibility-view-turn-off.html
   c. https://msdn.microsoft.com/en-us/library/jj676915(v=vs.85).aspx
   d. If you NEED compatability mode. (won't work with jquery UI) `<meta http-equiv="x-ua-compatible" content="IE=EmulateIE7" >`
2. The entries in Green show your CSS and JS. Note their locations in relation to jQuery and jQuery UI.
3. You can load jquery-ui.css, jquery.js, and jquery-ui.js in that order only.
   a. I loaded from Google CDN, but you can load from a downloaded version of each. Relative paths please.
4. If your widget is sort-a-kind-of "skinny", then check your CSS to put a width to the parent element. (see next page)

```
http://nsglnxdev1.micron.com:8080/HeadCountWebApp/ - Original Source

File  Edit  Format

1
2  <!-- https://developers.google.com/speed/libraries/
3       JQUERY     2.1.4, 2.1.3, 2.1.1, 2.1.0, 2.0.3, 2.0.2, 2.0.1, 2.0.0, 1.11.3, 1.11.2, 1.11.1, 1.11.0
4       JQUERYUI   1.11.4, 1.11.3, 1.11.2, 1.11.1, 1.11.0, 1.10.4, 1.10.3, 1.10.2, 1.10.1, 1.10.0  -->
5
6
7
8  <!DOCTYPE html>
9  <html>
10     <head>
11         <!-- https://msdn.microsoft.com/en-us/library/jj676915(v=vs.85).aspx    MUST BE FIRST LINE IN META TAGS !!! -->
12         <meta http-equiv="X-UA-Compatible" content="IE=8,9,10,EDGE" />
13         <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
14         <title>Lynda Demo</title>
15
16         <link rel="stylesheet" type="text/css" href="./css/headCount.css">
17         <link rel="stylesheet" type="text/css" href="https://ajax.googleapis.com/ajax/libs/jqueryui/1.11.4/themes/ui-lightness/jquery-ui.css">
18         <!--<link rel="stylesheet" type="text/css" href="https://ajax.googleapis.com/ajax/libs/jqueryui/1.11.4/themes/smoothness/jquery-ui.css">-->
19         <!--<link rel="stylesheet" type="text/css" href="./js/jquery-ui-themes-1.11.4/themes/smoothness/jquery-ui.css">-->
20         <!--<link rel="stylesheet" type="text/css" href="js/jquery-ui-themes-1.11.4/themes/smoothness/jquery-ui.min.css">-->
21
22         <!-- ================== LOAD jQuery first ==================== -->
23         <script type="text/javascript" src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.3/jquery.min.js"></script>
24         <!--<script type="text/javascript" src="./js/jquery-1.11.3.js"></script>-->
25         <!--<script type="text/javascript" src="./js/jquery-1.11.3.min.js"></script>-->
26
27         <!--  ============== then, LOAD jQuery-ui next ========================= -->
28         <script type="text/javascript" src="https://ajax.googleapis.com/ajax/libs/jqueryui/1.11.4/jquery-ui.min.js"></script>
29         <!--<script type="text/javascript" src="./js/jquery-ui-1.11.4/jquery-ui.js"></script>-->
30         <!--<script type="text/javascript" src="./js/jquery-ui-1.11.4/jquery-ui.min.js"></script>-->
31
32         <script type="text/javascript" src="./js/common.js"></script>
33
34     </head>
35     <body>
36
37
```

headCount.css

```css
body {
    font-family: "Trebuchet MS", "Helvetica", "Arial",  "Verdana", "sans-serif";
    font-size: 12pt;
}

label {
    display: block;
}

select {
    width: 200px;
}

fieldset {
    border: 0;
}

.heavytext {
    font-weight: bold;
    color: red;
}

.sliderClass {
    width: 400px;
}

.fixedHeight {
    height: 150px;
}
```

common.js

```javascript
(function ($) { // Start jQuery namespace
    $.fn.lyndaExampleJqueryUI = function () {
        $("#spinCtrl1").spinner();
        $("#spinCtrl1").spinner("value", 10);

        // spinner control with settings for min, max, step,  and formatting
        $("#spinCtrl2").spinner({
            min: 0,
            max: 500,
            step: 10,
            page: 10,
            spin: function (evt, elem) {
                if (evt.metaKey)
                    return false;
            }
        });

        $("#sliderCtrl1").slider({
            animate: "fast"
        });

        $("#sliderCtrl2").slider({
            value: 75,
            min: 0,
            max: 200,
            step: 25,
            slide: function (evt, elem) {
                $("#amt").text(elem.value);
            },
            start: function (evt, elem) {
                $("#amt").addClass("heavytext");
            },
            stop: function (evt, elem) {
                $("#amt").removeClass("heavytext");
            }
```

```
        });

        $("#amt").text($("#sliderCtrl2").slider("value"));

        $("#sliderCtrl3").slider({
            range: true,
            min: 500,
            max: 5000,
            values: [1500, 3000],
            slide: function (evt, elem) {
                $("#sl3Val1").text(elem.values[0]);
                $("#sl3Val2").text(elem.values[1]);
            }
        });

        $("#sl3Val1").text($("#sliderCtrl3").slider("values", 0));
        $("#sl3Val2").text($("#sliderCtrl3").slider("values", 1));


        $("#selectMenu01").selectmenu();

        $("#selmenu2").selectmenu();

        $("#selmenu3").selectmenu({
            icons: {button: "ui-icon-lightbulb"}
        }).selectmenu("menuWidget")
            .addClass("fixedHeight");
    };
})(jQuery); // End jQuery namespace
```

Struts2 jsp page example.

```jsp
<%@taglib prefix="s" uri="/struts-tags" %>
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
  <head>
    <!-- https://msdn.microsoft.com/en-us/library/jj676915(v=vs.85).aspx   MUST BE FIRST LINE IN META TAGS !!! -->
    <meta http-equiv="X-UA-Compatible" content="IE=8,9,10,EDGE" />
    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
    <title>Lynda Demo</title>

    <link rel="stylesheet" type="text/css" href="./css/headCount.css">
    <link rel="stylesheet" type="text/css" href="https://ajax.googleapis.com/ajax/libs/jqueryui/1.11.4/themes/ui-lightness/jquery-ui.css">
    <!--<link rel="stylesheet" type="text/css" href="https://ajax.googleapis.com/ajax/libs/jqueryui/1.11.4/themes/smoothness/jquery-ui.css">-->
    <!--<link rel="stylesheet" type="text/css" href="./js/jquery-ui-themes-1.11.4/themes/smoothness/jquery-ui.css">-->
    <!--<link rel="stylesheet" type="text/css" href="js/jquery-ui-themes-1.11.4/themes/smoothness/jquery-ui.min.css">-->

    <!-- ================ LOAD jQuery first ==================== -->
    <script type="text/javascript" src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.3/jquery.min.js"></script>
    <!--<script type="text/javascript" src="./js/jquery-1.11.3.js"></script>-->
    <!--<script type="text/javascript" src="./js/jquery-1.11.3.min.js"></script>-->

    <!--  ============= then, LOAD jQuery-ui next ========================= -->
    <script type="text/javascript" src="https://ajax.googleapis.com/ajax/libs/jqueryui/1.11.4/jquery-ui.min.js"></script>
    <!--<script type="text/javascript" src="./js/jquery-ui-1.11.4/jquery-ui.js"></script>-->
    <!--<script type="text/javascript" src="./js/jquery-ui-1.11.4/jquery-ui.min.js"></script>-->

    <script type="text/javascript" src="./js/common.js"></script>

  </head>
  <body>
    <s:if test="hasActionErrors()">
      <div class="errorMessage">
        <s:actionerror/>
      </div>
    </s:if>
    <s:if test="hasActionMessages()">
```

```html
      <div class="infoMessage">
        <s:actionmessage/>
      </div>
    </s:if>

    <div id="myContent" style="display: none;">
      <h1>Lynda Demo spinner control</h1>
      <input type="text" id="spinCtrl1"/>
      <h3>Spinner with step and formatting.</h3>
      <input type="text" id="spinCtrl2" readonly/>

      <h1>Using the Slider Control</h1>
      <p>The slider control is typically used to select values along a scale. jQuery UI sliders have a variety of options: they can be free-form, snapped to certain values, bound to specific ranges, and displayed horizontally or vertically.</p>
      <h3>Basic Slider Control</h3>
      <p>Slider value: <span id="sl1Val"></span></p>
      <div id="sliderCtrl1" class="sliderClass"></div>
      <h3>Slider Control with Snapping Behavior</h3>
      <p>This slider control snaps to specific value increments. It also attaches event handlers to detect value changes to update a text field, and to change the style of the field when the sliding starts and stops.</p>
      <p>Please enter your donation: $<span id="amt"></span></p>
      <div id="sliderCtrl2" class="sliderClass"></div>
      <h3>Range Slider - select and upper and lower value</h3>
      <p>Sliders controls can be used to select ranges of values.</p>
      <p>Select a rent range: $<span id="sl3Val1"></span> to $<span id="sl3Val2"></span></p>
      <div id="sliderCtrl3" class="sliderClass"></div>

      <h1>Using the Selectmenu Control</h1>
      <p>The Selectmenu control provides a highly styleable replacement for the standard HTML &lt;select&gt; control. You specify it in your markup as you usually would a regular select menu, but then call the jQueryUI <code>selectmenu()</code> function on it. The menu continues to work as you would expect in the background, managing its state for form submission and such.</p>
      <form>
        <h3>Regular Selectmenu</h3>
        <div>
          <label>Select a fruit:</label>
          <select id="selectMenu01">
            <option>Apple</option>
            <option selected>Orange</option>
            <option>Banana</option>
            <option>Kiwi</option>
```

```html
        <option>Starfruit</option>
        <option>Dragonfruit</option>
        <option>Papaya</option>
    </select>
</div>
<h3>Selectmenu with groups</h3>
<div>
    <label>Select a country:</label>
    <select id="selmenu2">
        <optgroup label="North America">
            <option>Canada</option>
            <option>Mexico</option>
            <option>United States</option>
        </optgroup>
        <optgroup label="South America">
            <option>Brazil</option>
            <option>Argentina</option>
            <option>Chile</option>
        </optgroup>
    </select>
</div>
<h3>Selectmenu with fixed height and scrolling</h3>
<p>You can control the height of the menu by getting the menuWidget and setting a fixed height</p>
<div>
    <label>Take a number:</label>
    <select id="selmenu3">
        <option>1</option>
        <option>2</option>
        <option>3</option>
        <option>4</option>
        <option>5</option>
        <option>6</option>
        <option>7</option>
        <option>8</option>
        <option>9</option>
        <option>10</option>
        <option>11</option>
        <option>12</option>
        <option>13</option>
        <option>14</option>
```

```html
                <option>15</option>
                <option>16</option>
                <option>17</option>
                <option>18</option>
                <option>19</option>
                <option>20</option>
            </select>
          </div>
        </form>

        <br/>
        <br/>
        <br/>
        <br/>
        <br/>
        <br/>
        <br/>
        <br/>
        <br/>
        <br/>
        <br/>

    </div> <!--#myContent-->

    <script type="text/javascript">
        $(document).ready(function ($) {
            $().lyndaExampleJqueryUI();
        });

        $(window).load(function () {
            $("#myContent").show();
        });
    </script>

  </body>
</html>
```