APPENDIX B EXTENSION

B.1
Index.php

```php
<?php
// Makes use of SAJAX (Simple AJAX Toolkit)
require_once('Sajax.php');
sajax_init();

function sajax_update($id, $value)
{
        // taken out for now...
  return 'true';
}
sajax_export("sajax_update");
sajax_handle_client_request();

$defaults = array();
?>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN"
"http://www.w3.org/TR/html4/strict.dtd">
<html>
<head >
        <meta http-equiv="content-script-type" content="text/javascript">
        <meta http-equiv="content-type" content="text/html; charset=windows-1252">
        <script type="text/javascript" src="slider.js"></script>
        <script type="text/javascript">

        <?php
        sajax_show_javascript();
        ?>

        function confirm(z)
        {
                window.status = 'Sajax version updated';
        }
//********************************************************************
//  Slider Bar code adapted (yet heavily modified) from http://www.cyberdummy.co.uk
//  Many thanks to them.
//********************************************************************

        window.onload = function() {
                // Pan 1
                var el = document.getElementById("speed2");
                el.onDragStart = function() {
```

```javascript
        in_elem = document.getElementById('speed2in').className = "move2ondrag";
        in_elem = document.getElementById('speed2').className = "sliderondrag";
}
el.onDrag = function() {
        var value_elem = document.getElementById('speed2_value');
        value_elem.innerHTML = Math.round(Number(this.value)) + '%';
};
el.onDragStop = function() {
        in_elem = document.getElementById('speed2in').className = "move2";
        in_elem = document.getElementById('speed2').className = "slider";
        x_sajax_update('speed_2', this.value, confirm);
}
form_slider(el, '100');
// Pan 2
var el = document.getElementById("speed3");
el.onDragStart = function() {
        in_elem = document.getElementById('speed3in').className = "move2ondrag";
        in_elem = document.getElementById('speed3').className = "sliderondrag";
}
el.onDrag = function() {
        var value_elem = document.getElementById('speed3_value');
        value_elem.innerHTML = Math.round(Number(this.value)) + '%';
};
el.onDragStop = function() {
        in_elem = document.getElementById('speed3in').className = "move2";
        in_elem = document.getElementById('speed3').className = "slider";
        x_sajax_update('speed_3', this.value, confirm);
}
form_slider(el, '100');
// Tilt 1
var el = document.getElementById("speed4");
el.onDragStart = function() {
        in_elem = document.getElementById('speed4in').className = "move2ondrag";
        in_elem = document.getElementById('speed4').className = "sliderondrag";
}
el.onDrag = function() {
        var value_elem = document.getElementById('speed4_value');
        value_elem.innerHTML = Math.round(Number(this.value)) + '%';
};
el.onDragStop = function() {
        in_elem = document.getElementById('speed4in').className = "move2";
        in_elem = document.getElementById('speed4').className = "slider";
        x_sajax_update('speed_4', this.value, confirm);
}
form_slider(el, '100');
// Tilt 2
```

```javascript
var el = document.getElementById("speed5");
el.onDragStart = function() {
        in_elem = document.getElementById('speed5in').className = "move2ondrag";
        in_elem = document.getElementById('speed5').className = "sliderondrag";
}
el.onDrag = function() {
        var value_elem = document.getElementById('speed5_value');
        value_elem.innerHTML = Math.round(Number(this.value)) + '%';
};
el.onDragStop = function() {
        in_elem = document.getElementById('speed5in').className = "move2";
        in_elem = document.getElementById('speed5').className = "slider";
        x_sajax_update('speed_5', this.value, confirm);
}
form_slider(el, '100');
// Zoom 1
var el = document.getElementById("speed6");
el.onDragStart = function() {
        in_elem = document.getElementById('speed6in').className = "move2ondrag";
        in_elem = document.getElementById('speed6').className = "sliderondrag";
}
el.onDrag = function() {
        var value_elem = document.getElementById('speed6_value');
        value_elem.innerHTML = Math.round(Number(this.value)) + '%';
};
el.onDragStop = function() {
        in_elem = document.getElementById('speed6in').className = "move2";
        in_elem = document.getElementById('speed6').className = "slider";
        x_sajax_update('speed_6', this.value, confirm);
}
form_slider(el, '100');
// Zoom 2
var el = document.getElementById("speed7");
el.onDragStart = function() {
        in_elem = document.getElementById('speed7in').className = "move2ondrag";
        in_elem = document.getElementById('speed7').className = "sliderondrag";
}
el.onDrag = function() {
        var value_elem = document.getElementById('speed7_value');
        value_elem.innerHTML = Math.round(Number(this.value)) + '%';
};
el.onDragStop = function() {
        in_elem = document.getElementById('speed7in').className = "move2";
        in_elem = document.getElementById('speed7').className = "slider";
        x_sajax_update('speed_7', this.value, confirm);
}
```

```
                form_slider(el, '100');
        }


        </script>
        <title>CS Conference Room</title>
        <style type="text/css" media="screen">
body {
        color:#333;
        background-color:white;
        margin:20px;
        padding:0px;
        font:11px verdana, arial, helvetica, sans-serif;
        }
h1 {
        margin:0px 0px 15px 0px;
        padding:0px;
        font-size:28px;
        font-weight:900;
        color:#ccc;
        }
h2 {
        font:bold 12px/14px verdana, arial, helvetica, sans-serif;
        margin:0px 0px 5px 0px;
        padding:0px;
        }
p {
        font:11px/20px verdana, arial, helvetica, sans-serif;
        margin:0px 0px 16px 0px;
        padding:0px;
        }
.Content>p {margin:0px;}
.Content>p+p {text-indent:30px;}

a {
        color:#1aec3d;
        font-size:11px;
        font-family:verdana, arial, helvetica, sans-serif;
        font-weight:600;
        text-decoration:none;
        }
a:link {color:#1aec3d;}
a:visited {color:#07a421;}
a:hover {background-color:#eee;}

/* All the content boxes belong to the content class. */
.content {
```

```css
        position:relative; /* Position is declared "relative" to gain control of stacking order (z-index). */
        width:auto;
        min-width:120px;
        margin:0px 210px 20px 170px;
        border:1px solid black;
        background-color:white;
        padding:10px;
        z-index:3;
        }

#pageHeader h1 {
        position:absolute;
        background: transparent url(main.jpg) no-repeat top left;
        border:1px dashed grey;
        left:50%;
        margin-left:-350px;
        margin-top:0px;
        width: 700px;
        height: 50px;
        }
#pageHeader h1 span {
        display:none
        }

#navAlpha {
        position:absolute;
        left:50%;
        width:700px;
        margin-top:60px;
        margin-left:-350px;
        height: 120px;
        border:1px dashed grey;
        background-color:#eee;
        /*padding:10px;*/
        z-index:2;

        voice-family: "\"}\"";
        voice-family:inherit;
        width:700px;
        }

#navAlpha {width:700px;}

#navBeta {
        position:absolute;
        left:50%;
```

```
        width:700px;
        top:210px;
        margin-left:-350px;
        border:1px dashed grey;
        background-color:#eee;
        z-index:1;
/* Again, the ugly brilliant hack. */
        voice-family: "\"}\"";
        voice-family:inherit;
        width:700px;
        }
/* Again, "be nice to Opera 5". */
#navBeta {width:700px;}
</style>
        <link rel="stylesheet" type="text/css" href="slider.css">
</head>

<body>

<div id="pageHeader">
        <a href="index.php"><h1><span>conf</span></h1></a>
</div>

<div id="navAlpha"><br>
        <center><h2>Projectors</h2>
        <p>
<table>
<tr><td><center>Front Projector</center></td><td> </td><td><center>Side
Projector</center></td></tr>
<tr><td>
<form name="myform" title="choose video input" action="index.php" method="POST">
<div align="center">
<select name="mydropdown">
<option value="none">off/none</option>
<option value="front">front laptop</option>
<option value="rear">rear laptop</option>
<option value="windoze">Windows PC</option>
<option value="linux">Linux PC</option>
</select>
</div>
</form>
</td><td> </td><td>
<form name="myform" title="choose video input" action="index.php" method="POST">
<div align="center">
<select name="mydropdown">
<option value="none">off/none</option>
```

```
<option value="front">front laptop</option>
<option value="rear">rear laptop</option>
<option value="windoze">Windows PC</option>
<option value="linux">Linux PC</option>
</select>
</div>
</form>
</td>
</table>
        <br>
        </p></center>
</div>

<div id="navBeta">
<br>
        <center><h2>Cameras</h2>
        <p>
<table>
<tr>
<td> </td>
<td><center>Front Camera</center></td>
<td> </td>
<td> </td>
<td> </td>
<td><center>Side Camera</center></td>
<td> </td>
</tr>
<tr>
<td> </td>
<td>
<form name="myform" title="choose video output" action="index.php" method="POST">
<div align="center">
<select name="mydropdown">
<option value="none">off/none</option>
<option value="front">front laptop</option>
<option value="rear">rear laptop</option>
<option value="windoze">Windows PC</option>
<option value="linux">Linux PC</option>
</select>
</div>
</form>
</td>
<td> </td>
<td> </td>
<td> </td><td>
<form name="myform" title="choose video output" action="index.php" method="POST">
```

```html
<div align="center">
<select name="mydropdown">
<option value="none">off/none</option>
<option value="front">front laptop</option>
<option value="rear">rear laptop</option>
<option value="windoze">Windows PC</option>
<option value="linux">Linux PC</option>
</select>
</div>
</form>
</td>
<td> </td>
</tr>
<tr>
<td>left</td>
<td><input type="text" name="speed2" id="speed2" class="slider" value="<?php echo
$defaults['speed_2'] ?>" maxlength="3" /></td>
<td>right</td>
<td><center><strong><font color="red">PAN</font></strong></center></td>
<td>left</td>
<td><input type="text" name="speed3" id="speed3" class="slider" value="<?php echo
$defaults['speed_2'] ?>" maxlength="3" /></td>
<td>right</td>
</tr>
<tr>
<td>left</td>
<td><input type="text" name="speed4" id="speed4" class="slider" value="<?php echo
$defaults['speed_2'] ?>" maxlength="3" /></td>
<td>right</td>
<td><center><strong><font color="red">TILT</font></strong></center></td>
<td>left</td>
<td><input type="text" name="speed5" id="speed5" class="slider" value="<?php echo
$defaults['speed_2'] ?>" maxlength="3" /></td>
<td>right</td>
</tr>
<tr>
<td><center>-</center></td>
<td><input type="text" name="speed6" id="speed6" class="slider" value="<?php echo
$defaults['speed_2'] ?>" maxlength="3" /></td>
<td><center>+</center></td>
<td><center><strong><font color="red">ZOOM</font></strong></center></td>
<td><center>-</center></td>
<td><input type="text" name="speed7" id="speed7" class="slider" value="<?php echo
$defaults['speed_2'] ?>" maxlength="3" /></td>
<td><center>+</center></td>
</tr>
```

```
</table>
        </p>
</center>
<br>
</div>

<br><br><br>
</body>
</html>


/****************************************
* Slider Bar Form Element Script
*
* Original program copyright David Harrison
*   d_s_h2@hotmail.com
* Version 2 copyright Eric C. Davis
*   eric@10mar2001.com
*
* Visit http://www.dynamicdrive.com for
*   loads of other scripts.
*
* This notice MUST stay intact for use.
*
* Modified by Tom Westcott
* http://www.cyberdummy.co.uk
****************************************/

.move {
        height: 21px;
        background: #f4f4ee url(bar_end.png) no-repeat 0 8px;
        cursor: hand !important;
        cursor: pointer;
}
.move .move2 {
        margin: 0 1px 0 2px;
        height: 21px;
        background: #fff url(bar_repeat.png) repeat-x 0 8px;
        cursor: hand !important;
        cursor: pointer;
}

.move2ondrag {
        margin: 0 1px 0 2px;
    height: 21px;
    cursor: hand !important;
```

```css
        cursor: pointer;
            background: #fff url(bar_repeat_hover.png) repeat-x 0 8px;
}

.move .slider {
            margin-left: 0;
            margin-top: -21px;
            margin-right: -11px;
            width: 11px;
            height: 21px;
            background: #f4f4ee url(slider.png) no-repeat 0 0;
            cursor: hand !important;
            cursor: pointer;
}

.sliderondrag {
            margin-left: 0;
            margin-top: -21px;
            margin-right: -11px;
            width: 11px;
            height: 21px;
            background: #f4f4ee url(slider_hover.png) no-repeat 0 0;
            cursor: hand !important;
            cursor: pointer;
}
```

```javascript
// Slider Bar JavaScript
var x, lgap,
        pel = null;

function newValue(value, tag) {
        el = document.getElementById(tag);
        var i = (Number(value));
        el2 = document.getElementById(tag + "out");
        width = (el2.style.width.replace(/\D/g,"") - 11);
        if(i > width) i = width;
        if(i < 0) i = 0;
        el.style.marginLeft = i + "px";
        el.inputElement.value = i;
}

function mousetracker (event) {
        if (!event) {
                event = window.event;
        }
        x = event.clientX;
```

```
        if (pel != null) {
                var width = pel.sliderWidth;
                pel.style.marginLeft = ( ( (lgap + x) > width) ? width : ( ( (lgap + x) < 0) ? 0 : lgap + x ) )
+ "px"; //>
                pel.inputElement.value = pel.style.marginLeft.replace(/\D/g,"");
                pel.inputElement.onDrag();
        }
}

function track () {
        pel = this;
        // added this so it mouse strays from the drag tab mouse up still releases it
        if (document.addEventListener) {
           document.addEventListener('mouseup', stop, false);
      } else {
                document.onmouseup = stop;
      }
        pel.inputElement.onDragStart();
        lgap = parseInt(pel.style.marginLeft.replace(/\D/g,""));
        if (isNaN(lgap)) {
                lgap = 0;
        }
        lgap -= x;
}

function stop() {
        pel.inputElement.onDragStop();
        pel = null;

        if (document.removeEventListener) {
           document.removeEventListener('mouseup', stop, false);
      } else {
           document.onmouseup = null;
      }
}

function form_slider (el, width) {
        var wid            = parseInt(width);
        var newEl          = document.createElement("input");
        newEl.type         = "hidden";
        var outDiv         = document.createElement("div");
        outDiv.className   = "move";
        outDiv.style.width = (wid+11) + "px";
        outDiv.id          = el.id + "out";
        var inDiv          = document.createElement("div");
        inDiv.className    = "move2";
```

```javascript
        inDiv.id                = el.id + "in";
        var slider              = document.createElement("div");
        slider.className        = el.className;
        slider.id               = el.id;
        // convert original form element to new form element
        for (key in el) {
                try {
                        newEl[key] = el[key];
                } catch (er) {
                        // whoops! Can't assign that property.
                }
        }
        newEl.type              = "hidden";
        newEl.className         = "";
        newEl.name              = el.name;
        newEl.id                = el.id + "hidden";
        // assign persistent properties to slider div
        slider.inputElement     = newEl;
        slider.sliderWidth      = wid;
        // assign events
        if (slider.addEventListener) {
                slider.addEventListener('mousedown', track, false);
                slider.addEventListener('mouseup', stop, false);
        } else {
                slider.onmousedown = track;
                slider.onmouseup = stop;
        }
        // put the new elements in the document
        outDiv.appendChild(inDiv);
        outDiv.appendChild(slider);
        value = el.value;
        id = el.id;
        el.parentNode.insertBefore(outDiv, el);
        // remove the old element before inserting the new element
        el.parentNode.removeChild(el);
        outDiv.parentNode.insertBefore(newEl, outDiv);
        if(value > 0) {
                newValue(value, id);
        }
}

if (window.addEventListener) {
        document.addEventListener('mousemove', mousetracker, false);
} else if (window.attachEvent) {
        document.attachEvent('onmousemove', mousetracker);
} else {
```

```
        document.onmousemove = mousetracker;
}
```