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<?xml version='1.0'?>
<!-- /***** / -->
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<!-- /* */ -->
<!-- /* The following code is presented to you solely for the purpose of */ -->
<!-- /* enhancing your understanding of the IMS MFS Web Enablement */ -->
<!-- /* Technology Preview. */ -->
<!-- /* The code is presented "AS IS." IBM MAKES NO WARRANTIES, EXPRESS OR */ -->
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<!-- /* */ -->
<!-- /* The code and materials accessed on this demo site may not be */ -->
<!-- /* distributed, copied, altered, or incorporated into other software.*/ -->
<!-- /***** / -->
<!-- /* */ -->
<!-- This style sheet is customized for demo purposes to generate 3270 -->
<!-- interface HTML pages for MFS-based IMS applications. -->
<!-- It is targeted for browsers supporting cascading stylesheet and -->
<!-- style attributes, i.e. IE 6+ and Mozilla 1.7. Attempting to display -->
<!-- the html output rendered with this style sheet on browsers not -->
<!-- supporting cascading style sheet and style attributes will result in -->
<!-- misplaced text and input fields. -->

<xsl:stylesheet xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
                xmlns:axslt="http://xml.apache.org/xslt"
                xmlns:xmi="http://www.omg.org/XMI"
                xmlns:MFS="MFS.xmi"
                version="1.0">

  <!-- Users can modify color, font, position, and input field definitions -->
  <!-- color definitions -->
  <xsl:variable name="blue">blue</xsl:variable>
  <xsl:variable name="red">red</xsl:variable>
  <xsl:variable name="green">lime</xsl:variable>
  <xsl:variable name="pink">fuchsia</xsl:variable>
  <xsl:variable name="turquoise">aqua</xsl:variable>
  <xsl:variable name="yellow">yellow</xsl:variable>
  <xsl:variable name="default">aqua</xsl:variable>
  <xsl:variable name="neutral">white</xsl:variable>
  <xsl:variable name="input">rgb(60,60,60)</xsl:variable>
  <xsl:variable name="background">black</xsl:variable>

  <!-- font definitions -->
  <xsl:variable name="font-family">'Courier New'</xsl:variable>
  <xsl:variable name="font-size">12pt</xsl:variable>
  <xsl:variable name="font-weight">bold</xsl:variable>

  <!-- position definitions -->
  <xsl:variable name="row-multiplier">21</xsl:variable>
  <xsl:variable name="column-multiplier">10</xsl:variable>

  <!-- input field definitions -->

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<xsl:variable name="border">.5in</xsl:variable>

<!-- cursor definitions -->
<xsl:variable name="cursorRow">0</xsl:variable>
<xsl:variable name="cursorColumn">0</xsl:variable>

<!-- start of html doc -->
<xsl:output method="html"/>

<!-- beginning of xmi document -->
<xsl:template match="/">
  <html>
    <head>
      <!-- Style declarations -->
      <!-- Users can modify this section for different font colors, background
colors, -->
      <!-- font-family, font-size, font-weight, or button styles
-->
      <style type="text/css" media="screen">
        <!-- Default style for body, table, and input elements -->
        <xsl:text>body, table, textwrap</xsl:text>
        <xsl:text> { color: </xsl:text><xsl:value-of select="$default"/>
        <xsl:text>; background: </xsl:text><xsl:value-of
select="$background"/>
        <xsl:text>; font-family: </xsl:text><xsl:value-of select="$font-
family"/>
        <xsl:text>; font-size: </xsl:text><xsl:value-of select="$font-size"/>
        <xsl:text>; font-weight: </xsl:text><xsl:value-of select="$font-
weight"/>
        <xsl:text>; text-align: left</xsl:text>
        <xsl:text> } </xsl:text>
        <xsl:text>input</xsl:text>
        <xsl:text> { color: </xsl:text><xsl:value-of select="$default"/>
        <xsl:text>; background: </xsl:text><xsl:value-of select="$input"/>
        <xsl:text>; font-family: </xsl:text><xsl:value-of select="$font-
family"/>
        <xsl:text>; font-size: </xsl:text><xsl:value-of select="$font-size"/>
        <xsl:text>; font-weight: </xsl:text><xsl:value-of select="$font-
weight"/>
        <xsl:text> } </xsl:text>
        <xsl:text>textarea</xsl:text>
        <xsl:text> { color: </xsl:text><xsl:value-of select="$default"/>
        <xsl:text>; background: </xsl:text><xsl:value-of select="$input"/>
        <xsl:text>; font-family: </xsl:text><xsl:value-of select="$font-
family"/>
        <xsl:text>; font-size: </xsl:text><xsl:value-of select="$font-size"/>
        <xsl:text>; font-weight: </xsl:text><xsl:value-of select="$font-
weight"/>
        <xsl:text> } </xsl:text>
        <xsl:text>.buttonStyle1</xsl:text>
        <xsl:text> {      color: </xsl:text><xsl:value-of
select="$neutral"/>
        <xsl:text>; background: </xsl:text><xsl:value-of
select="$background"/>
        <xsl:text>; font-family: </xsl:text><xsl:value-of select="$font-
family"/>
        <xsl:text>; font-size: </xsl:text><xsl:value-of select="$font-size"/>

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weight"/>
    <xsl:text>; font-weight: </xsl:text><xsl:value-of select="$font-
weight"/>
    <xsl:text>; width: 135px </xsl:text>
    <xsl:text> } </xsl:text>
    <xsl:text>.buttonStyle2</xsl:text>
    <xsl:text> { color: </xsl:text><xsl:value-of select="$neutral"/>
    <xsl:text>; background: </xsl:text><xsl:value-of
select="$background"/>
    <xsl:text>; font-family: </xsl:text><xsl:value-of select="$font-
family"/>
    <xsl:text>; font-size: </xsl:text><xsl:value-of select="$font-size"/>
    <xsl:text>; font-weight: </xsl:text><xsl:value-of select="$font-
weight"/>
    <xsl:text>; width: 100px </xsl:text>
    <xsl:text> } </xsl:text>
    <xsl:text>.buttonStyle3</xsl:text>
    <xsl:text> { color: </xsl:text><xsl:value-of select="$neutral"/>
    <xsl:text>; background: </xsl:text><xsl:value-of
select="$background"/>
    <xsl:text>; font-family: </xsl:text><xsl:value-of select="$font-
family"/>
    <xsl:text>; font-size: </xsl:text><xsl:value-of select="$font-size"/>
    <xsl:text>; font-weight: </xsl:text><xsl:value-of select="$font-
weight"/>
    <xsl:text>; width: 50px </xsl:text>
    <xsl:text> } </xsl:text>

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</style>

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<!-- Do NOT modify existing JavaScript functions -->

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<SCRIPT Language="JavaScript">

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<![CDATA[

```

```

    function setFocus(field) {
        var layersSupport = (document.layers!=null);
        var fField = -1;
        if (!layersSupport) {
            // for IE 5 and NS 6
            for (var j = 0; j < document.forms.length; j++) {
                var form = document.forms[j];
                for (var i=0; i < form.length; i++) {
                    if (fField == -1) {
                        //if field is empty, focus on the
                        first input element, else focus on the specified input field
                        if (((field.length < 1) &&
                        (form.elements[i].type == "text")) || (form.elements[i].name == field)) {
                            fField = i;
                            form.elements[i].focus();
                            break;
                        }
                    }
                }
            }
        }
    }

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    function goToURL()

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    {
        myWindow = open("", "newwin", "height=600,width=920,resizable=1");
    }

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    myWindow.location = "http://www-306.ibm.com/software/data/ims/";
}

function submitEnter(myfield,e)
{
    var keycode;
    if (window.event) keycode = window.event.keyCode;
    else if (e) keycode = e.which;
    else return true;

    // submits the form when presses 'Enter'
    if (keycode == 13){
        for (var i=0; i < document.forms.length; i++){
            if (document.forms[i].name=="Process") {
                //processSubmit(document.forms[i]);
                for (var j=0; j < document.forms[i].length; j++){
                    if
(document.forms[i].elements[j].name=="submitButton"){
                        document.forms[i].elements[j].click();
                        break;
                    }
                }
            }
        }
        return false;
    } else
        return true;
}

function clearForm()
{
    var layersSupport = (document.layers!=null);
    var fLayer = -1;
    var fField = -1;
    var fCnt = -1;
    if (!layersSupport) {
        // for IE and NS 6
        for (var j = 0; j < document.forms.length; j++) {
            var form = document.forms[j];
            for (var i=0; i < form.length; i++) {
                //clear out text fields
                if (form.elements[i].type == "text" ||
form.elements[i].type == "textarea") {
                    if (fField == -1) {
                        fField = i;
                        fCnt = j;
                    }
                    form.elements[i].value = "";
                }
            }
        }
        if (fField >= 0 && fCnt >= 0) {
            //put focus on the first text field
            document.forms[fCnt].elements[fField].focus();
        }
    }
}

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// Reject numeric inputs
function numeric(e)
{
    if (navigator.appName == "Microsoft Internet Explorer")
        Key = window.event.keyCode;
    else if (navigator.appName == "Netscape")
        Key = e.which;
    else if (navigator.appName == "Mozilla")
        Key = e.keyCode;

    if (Key < 48 || Key > 57) {
        alert("Please enter only numeric value");
        return false;
    }
}

// Process the submit form
function processSubmit(frm)
{
    var elementsLength = frm.length
    for (var i=0; i < elementsLength; i++)
        if (frm[i].type=="hidden") // clear submit form
            frm[i].value = ""
            findForms(frm, window.document)
}

// Find fields
function findForms(fSubmit, doc)
{
    var formsCnt = doc.forms.length, fSource
    var elementsLength, eSource
    // Enumerate forms and find forms in same group
    for (var i=0; i < formsCnt; i++) {
        fSource = doc.forms[i]
        if ((fSource.name=="Info") && (fSubmit!=fSource)){
            elementsLength = fSource.length
            // Copy fields
            for (var j=0; j < elementsLength; j++) {
                eSource = fSource[j]
                // Make sure field exists in submit form
                if (fSubmit[eSource.name]!=null &&
eSource.type!="hidden")
                    fSubmit[eSource.name].value = eSource.value
            }
        }
    }
    // In NS 4 recurse throughs sub-documents
    var layersSupport = (document.layers!=null) //NS4
    if (layersSupport) {
        var layersLength = d.layers.length
        for (var l=0; l < layersLength; l++) {
            findForms(fSubmit, d.layers[l].document)
        }
    }
}

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function disableBackButton()
{
    history.forward();
}

]]>
</SCRIPT>
</head>
<!-- Invoke device template on output MFSMessage -->
<xsl:element name="body">
    <!-- Check the formatType of MFSFormat before processing -->
    <xsl:variable name="formatType"><xsl:value-of
select="//MFS:MFSFormat/devices[1]/divisions/@type"/></xsl:variable>
    <xsl:if test="$formatType='out' or $formatType='inout'">
        <xsl:apply-templates select="//MFS:MFSFormat/devices[1]"/>
    </xsl:if>
</xsl:element>
</html>
</xsl:template>

<!-- device template: generates HTML body contents -->
<xsl:template match="devices">
    <!-- Invoke cursor template for cursor position -->
    <xsl:apply-templates select="divisions/devicePages/physicalPages/cursor"/>
    <!-- Invoke deviceFields template for generating labels and input fields -->
    <xsl:apply-templates
select="divisions/devicePages/physicalPages/deviceFields"/>

    <!-- Create Function Key buttons in a form-->
    <xsl:element name="table">
        <xsl:attribute name="style">position: absolute; top: 30px; left:
20px</xsl:attribute>
        <xsl:element name="form">
            <xsl:attribute name="Name">PFKeys</xsl:attribute>
            <xsl:attribute name="ONSUBMIT">processSubmit(this);
submit</xsl:attribute>
            <xsl:attribute name="Action"></xsl:attribute>
            <xsl:attribute name="method">get</xsl:attribute>

            <!-- Create hidden field for each input data device field -->
            <xsl:for-each
select="//MFS:MFSFormat/devices[1]/divisions/devicePages/physicalPages/deviceFie
lds">
                <xsl:if test="not(@password='true') and
not(attributes/@protected='true')">
                    <xsl:element name="input">
                        <xsl:attribute name="type">hidden</xsl:attribute>
                        <xsl:attribute name="name"><xsl:value-of
select="@label"/></xsl:attribute>
                    </xsl:element>
                </xsl:if>
            </xsl:for-each>
            <!-- Function Key Buttons -->
            <xsl:if test="functionKeyList">
                <xsl:element name="tr">
                    <!-- display button if there is a functionKey in a functionKeyList-
->

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<xsl:for-each select="functionKeyList/functionKeys">
<xsl:variable name="number"><xsl:number/></xsl:variable>
<xsl:if test="$number < 18 or $number = '18'">
<xsl:element name="td">
<xsl:element name="input">
  <xsl:attribute name="type">submit</xsl:attribute>
  <xsl:attribute name="value">PF<xsl:number/></xsl:attribute>
  <xsl:attribute name="class">buttonStyle3</xsl:attribute>
  <xsl:attribute name="name">PF<xsl:number/></xsl:attribute>
</xsl:element>
</xsl:element>
</xsl:if>
</xsl:for-each>
</xsl:element>
<xsl:element name="tr">
<xsl:for-each select="functionKeyList/functionKeys">
<xsl:variable name="number"><xsl:number/></xsl:variable>
<xsl:if test="$number > 18">
<xsl:element name="td">
<xsl:element name="input">
  <xsl:attribute name="type">submit</xsl:attribute>
  <xsl:attribute name="value">PF<xsl:number/></xsl:attribute>
  <xsl:attribute name="class">buttonStyle3</xsl:attribute>
  <xsl:attribute name="name">PF<xsl:number/></xsl:attribute>
</xsl:element>
</xsl:element>
</xsl:if>
</xsl:for-each>
</xsl:element>
</xsl:if>
</xsl:element>
</xsl:element>
<!-- Create Submit, Clear, Reset, Next, and Previous buttons in a form -->
<xsl:element name="table">
  <xsl:attribute name="style">position: absolute; top: 1px; left:
20px</xsl:attribute>
  <xsl:element name="form">
    <!-- Invoke processSubmit() to fill in device field data -->
    <xsl:attribute name="Name">Process</xsl:attribute>
    <xsl:attribute name="ONSUBMIT">processSubmit(this);
submit</xsl:attribute>
    <xsl:attribute name="Action"></xsl:attribute>
    <xsl:attribute name="method">get</xsl:attribute>
    <xsl:attribute name="onKeyPress">return
submitEnter(this,event)</xsl:attribute>

    <!-- Create hidden field for each input data device field -->
    <xsl:for-each
select="//MFS:MFSFormat/devices[1]/divisions/devicePages/physicalPages/deviceFie
lds">
      <xsl:if test="not(@password='true') and
not(attributes/@protected='true')">
        <xsl:element name="input">
          <xsl:attribute name="type">hidden</xsl:attribute>
          <xsl:attribute name="name"><xsl:value-of
select="@label"/></xsl:attribute>
        </xsl:element>

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        </xsl:if>
    </xsl:for-each>
    <xsl:element name="tr">
        <xsl:element name = "td">
            <!-- Submit button -->
            <input type="submit" name="submitButton" class="buttonStyle2"
value="Submit"/>
        </xsl:element>
        <xsl:element name="td">
            <!-- Clear button - Invoke clearForm() to clear data on a form -->
            <input type="button" name="clearButton" value="Clear Fields"
class="buttonStyle1" onClick="clearForm()"/>
        </xsl:element>
        <xsl:element name="td">
            <!-- Next button -->
            <input type="submit" name="PA1Button" value="Next Page"
class="buttonStyle2"/>
        </xsl:element>
        <xsl:element name="td">
            <!-- Unformat button -->
            <input type="submit" name="resetButton" value="Reset"
class="buttonStyle2"/>
        </xsl:element>
        <xsl:element name="td">
            <!-- Logout button -->
            <input type="submit" name="logoutButton" value="Logout"
class="buttonStyle2"/>
        </xsl:element>
        <xsl:element name="td">
            <!-- Help button - Invoke goToURL() to go to the MFS Web Enablement
User's Guide -->
            <input type="button" name="helpButton" value="Help"
class="buttonStyle2" onClick="goToURL()"/>
        </xsl:element>
    </xsl:element>
</xsl:template>

<!-- cursor template: find the specified field -->
<xsl:template match="cursor">
    <xsl:attribute name="onload">
        <xsl:text>setFocus('</xsl:text>
        <!-- Based on the row and column specified, find the name of the matching
field -->
        <!-- If not found, focus will be set on the first input field -->
        <xsl:variable name="cursorRow"><xsl:value-of
select="position/@row"/></xsl:variable>
        <xsl:variable name="cursorColumn"><xsl:value-of
select="position/@column"/></xsl:variable>
        <xsl:for-each select="../deviceFields">
            <xsl:if test="position/@row = $cursorRow and position/@column =
$cursorColumn ">
                <xsl:value-of select="@label" />
            </xsl:if>
        </xsl:for-each>
        <xsl:text>')</xsl:text>

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        <xsl:text>;</xsl:text>
        <xsl:text>disableBackButton()</xsl:text>
    </xsl:attribute>
</xsl:template>

<!-- deviceFields template: generates labels and input fields -->
<!-- Logic is as follows: enclose each label and input field in a table to
ensure absolute positioning -->
<!--          and color assignments. Reverse highlighting will
result in an hidden label -->
<!--          with the same foreground and background color.
-->
<xsl:template match="deviceFields">
    <!-- If password, don't create the input field -->
    <xsl:choose>
        <xsl:when test="@password='true'">
            <!-- No op -->
        </xsl:when>
        <xsl:otherwise>
            <xsl:element name="table">
                <xsl:attribute name="style">
                    <!-- Specify absolute positioning -->
                    <xsl:if test="position">
                        <xsl:text>position: absolute</xsl:text>
                        <xsl:text>; top: </xsl:text><xsl:value-of select="(position/@row *
$row-multiplier) + 50"/><xsl:text>px</xsl:text>
                        <xsl:text>; left: </xsl:text><xsl:value-of
select="position/@column * $column-multiplier"/><xsl:text>px</xsl:text>
                    </xsl:if>
                    <!-- Specify color -->
                    <xsl:if test="attributes/@protected='true'">
                        <xsl:text>; color: </xsl:text>
                        <!-- Assign default color -->
                        <xsl:if test="not(attributes) and not(extendedAttributes)">
                            <xsl:value-of select="$default"/>
                        </xsl:if>
                        <!-- attributes template: assigns color -->
                        <xsl:apply-templates select="attributes"/>
                        <!-- extendedAttributes template: assigns color and highlighting
features -->
                        <xsl:apply-templates select="extendedAttributes"/>
                    </xsl:if>
                </xsl:attribute>
                <xsl:element name="tr">
                    <xsl:element name="td">
                        <xsl:if test="@label='OUTL'">
                            <xsl:text>Please enter a command or a transaction:</xsl:text>
                        </xsl:if>
                    </xsl:element>
                </xsl:element>
                <xsl:element name="tr">
                    <xsl:element name="td">
                        <xsl:choose>
                            <!-- Create input text fields -->
                            <!--      when no literal value specified and attribute not protected -
-->
                            <xsl:when test="not(attributes/@protected='true')">

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        <!-- Embedd each input field in a non-active form -->
        <xsl:element name="form">
            <xsl:attribute name="Name">Info</xsl:attribute>
            <xsl:attribute name="ONSUBMIT">return false</xsl:attribute>
            <xsl:attribute name="onKeyPress">return
submitEnter(this,event)</xsl:attribute>
            <!-- Specify type, value, class, size, maxlength, and style
attributes -->
            <!-- if length is greater than 80 generate textarea field otherwise
generate input field -->
            <xsl:variable name="cols">80</xsl:variable>
            <xsl:variable name="rows">
                <xsl:choose>
                    <xsl:when test="@length > 80"><xsl:value-of
select="round(@length div 80)"/></xsl:when>
                    </xsl:choose>
                </xsl:variable>
            <xsl:choose>
                <xsl:when test="@length > 80">
                    <xsl:element name="textarea">
                        <xsl:attribute name="rows"><xsl:value-of
select="$rows"/></xsl:attribute>
                        <xsl:attribute name="cols"><xsl:value-of
select="$cols"/></xsl:attribute>
                        <xsl:attribute name="name"><xsl:value-of
select="@label"/></xsl:attribute>
                        <xsl:choose>
                            <xsl:when test="attributes/@intensity='nondisplayable'">
                                <xsl:attribute name="type">hidden</xsl:attribute>
                            </xsl:when>
                            <xsl:otherwise>
                                <xsl:attribute name="style">
                                    <xsl:text>color: </xsl:text>
                                    <xsl:if test="attributes">
                                        <!-- attributes template: assigns color -->
                                        <xsl:apply-templates select="attributes"/>
                                    </xsl:if>
                                    <xsl:if test="extendedAttributes">
                                        <!-- extendedAttributes template: assigns color and
highlighting features -->
                                        <xsl:apply-templates select="extendedAttributes"/>
                                    </xsl:if>
                                </xsl:attribute>
                            </xsl:otherwise>
                            <!-- Check for numeric only fields -->
                            <xsl:if test = "attributes/@numeric='true'">
                                <xsl:attribute name="onKeyPress"><xsl:text>return
numeric(event)</xsl:text></xsl:attribute>
                            </xsl:if>
                            </xsl:otherwise>
                        </xsl:choose>
                    </xsl:element>
                </xsl:when>
                <xsl:otherwise>
                    <xsl:element name="input">
                        <xsl:attribute name="name"><xsl:value-of
select="@label"/></xsl:attribute>

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        <xsl:choose>
            <xsl:when test="attributes/@intensity='nondisplayable'">
                <xsl:attribute name="type">hidden</xsl:attribute>
            </xsl:when>
            <xsl:otherwise>
                <xsl:attribute name="type">text</xsl:attribute>
                <xsl:attribute name="value"><xsl:value-of
select="@value"/></xsl:attribute>
                <xsl:attribute name="style">
                    <xsl:text>color: </xsl:text>
                    <xsl:if test="attributes">
                        <!-- attributes template: assigns color -->
                        <xsl:apply-templates select="attributes"/>
                    </xsl:if>
                    <xsl:if test="extendedAttributes">
                        <!-- extendedAttributes template: assigns color and
highlighting features -->
                        <xsl:apply-templates select="extendedAttributes"/>
                    </xsl:if>
                    <xsl:text>; border: </xsl:text><xsl:value-of
select="$border"/>
                </xsl:attribute>
                <xsl:attribute name="size"><xsl:value-of
select="@length"/></xsl:attribute>
                <xsl:attribute name="maxlength"><xsl:value-of
select="@length"/></xsl:attribute>
                <!-- Check for numeric only fields -->
                <xsl:if test = "attributes/@numeric='true'">
                    <xsl:attribute name="onKeyPress"><xsl:text>return
numeric(event)</xsl:text></xsl:attribute>
                </xsl:if>
            </xsl:otherwise>
        </xsl:choose>
    </xsl:element>
</xsl:otherwise>
</xsl:choose>
    </xsl:element>
</xsl:when>

    <!-- Create text label -->
    <xsl:otherwise>
        <!-- Font tag will overrule color assignment -->
        <xsl:element name="font">
            <xsl:attribute name="color">
                <!-- Assign default color -->
                <xsl:if test="not(attributes) and not(extendedAttributes)">
                    <xsl:value-of select="$default"/>
                </xsl:if>
                <!-- attributes template: assigns color -->
                <xsl:apply-templates select="attributes"/>
                <!-- extendedAttributes template: assigns color and highlighting
features -->
                <xsl:apply-templates select="extendedAttributes">
                    <xsl:with-param name="tag">font</xsl:with-param>
                </xsl:apply-templates>
            </xsl:attribute>

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        <!-- Specify value of the label, explicitly convert space to
displayable space character -->
        <xsl:choose>
        <xsl:when test="@length &lt;= 80">
            <xsl:value-of select="translate(@value,' ','&#160;')"/>
        </xsl:when>
        <xsl:otherwise>
            <xsl:value-of select="translate(@value,' ','')"/>
        </xsl:otherwise>
        </xsl:choose>
        </xsl:element>
    </xsl:otherwise>
</xsl:choose>
</xsl:element>
</xsl:element>
</xsl:element>
</xsl:otherwise>
</xsl:choose>
</xsl:template>

<!-- attribute template: specify color -->
<xsl:template match="attributes">
    <!-- Specify color for label text fields and input text fields based on
intensity and protected attributes -->
    <xsl:choose>
        <xsl:when test="@intensity='nondisplayable'">
            <xsl:value-of select="$background"/>
        </xsl:when>
        <xsl:otherwise>
            <xsl:if test="not(..extendedAttributes/@color)">
                <xsl:choose>
                    <xsl:when test="not(@intensity='high') and not(@protected='true')">
                        <xsl:value-of select="$green"/>
                    </xsl:when>
                    <xsl:when test="@intensity='high' and not(@protected='true')">
                        <xsl:value-of select="$red"/>
                    </xsl:when>
                    <xsl:when test="not(@intensity='high') and @protected='true'">
                        <xsl:value-of select="$turquoise"/>
                    </xsl:when>
                    <xsl:when test="@intensity='high' and @protected='true'">
                        <xsl:value-of select="$neutral"/>
                    </xsl:when>
                </xsl:choose>
            </xsl:if>
        </xsl:otherwise>
    </xsl:choose>
</xsl:template>

<!-- extendedAttributes template: specify color and highlighting assignment,
overrides attribute colors -->
<xsl:template match="extendedAttributes">
    <!-- Based on the parameter passed in, determine whether to specify
highlighting assignment or not -->
    <!-- When param='style', both color and highlighting assignment will be
produced; -->

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<!-- When param='font', only color assignment will be produced.
-->
<xsl:param name="tag">style</xsl:param>
<xsl:if test="not(..@attributes/@intensity='nondisplayable')">
  <!-- Specify highlighting reverse background color -->
  <xsl:if test="@highlighting='reverse'">
    <xsl:if test="$tag='style'">
      <xsl:choose>
        <!-- Reverse background color for label and input are different -->
        <xsl:when test="..@attributes/@protected='true'">
          <!-- For label text, assign background color -->
          <xsl:value-of select="$background"/>
        </xsl:when>
        <xsl:otherwise>
          <!-- For input fields, assign input color -->
          <xsl:value-of select="$input"/>
        </xsl:otherwise>
      </xsl:choose>
      <xsl:text>; background-color: </xsl:text>
    </xsl:if>
    <xsl:if test="$tag='font'">
      <xsl:text>black</xsl:text>
    </xsl:if>
  </xsl:if>
  <!-- Specify color assignment for label text and input text fields-->
  <xsl:if test="not(@highlighting='reverse' and $tag='font') or
$tag='border'">
    <xsl:choose>
      <xsl:when test="@color='blue'">
        <xsl:value-of select="$blue"/>
      </xsl:when>
      <xsl:when test="@color='red'">
        <xsl:value-of select="$red"/>
      </xsl:when>
      <xsl:when test="@color='green'">
        <xsl:value-of select="$green"/>
      </xsl:when>
      <xsl:when test="@color='pink'">
        <xsl:value-of select="$pink"/>
      </xsl:when>
      <xsl:when test="@color='turquoise'">
        <xsl:value-of select="$turquoise"/>
      </xsl:when>
      <xsl:when test="@color='yellow'">
        <xsl:value-of select="$yellow"/>
      </xsl:when>
      <xsl:when test="@color='default'">
        <xsl:value-of select="$default"/>
      </xsl:when>
      <xsl:when test="@color='neutral'">
        <xsl:value-of select="$neutral"/>
      </xsl:when>
    </xsl:choose>
  </xsl:if>
  <!-- Specify highlighting underline and border assignment -->
  <xsl:if test="$tag='style'">
    <xsl:if test="@highlighting">

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<xsl:choose>
  <xsl:when test="@highlighting='underline'">
    <xsl:text>; text-decoration:underline</xsl:text>
  </xsl:when>
  <xsl:when test="@highlighting='blink'">
    <xsl:text>; text-decoration:blink</xsl:text>
  </xsl:when>
</xsl:choose>
<!-- Specify border assignment -->
<xsl:if test="outlining">
  <!-- Get the border color -->
  <!-- Recursively call extendedAttributes with parameter tag=border
to get border-color assignment -->
  <xsl:text>; border-color:</xsl:text>
  <xsl:apply-templates select=".">
    <xsl:with-param name="tag">border</xsl:with-param>
  </xsl:apply-templates>
  <!-- Assign border: box, right, left, top, or bottom -->
  <xsl:choose>
    <xsl:when test="outlining/@right='true' or outlining/@left='true'
or outlining/@over='true' or outlining/@under='true'">
      <xsl:text>; border-style: solid; border-right-width:
</xsl:text>
      <xsl:if test="outlining/@right='true'">
        <xsl:text>medium</xsl:text>
      </xsl:if>
      <xsl:if test="not(outlining/@right='true')">
        <xsl:text>0</xsl:text>
      </xsl:if>
      <xsl:text>; border-left-width: </xsl:text>
      <xsl:if test="outlining/@left='true'">
        <xsl:text>medium</xsl:text>
      </xsl:if>
      <xsl:if test="not(outlining/@left='true')">
        <xsl:text>0</xsl:text>
      </xsl:if>
      <xsl:text>; border-top-width: </xsl:text>
      <xsl:if test="outlining/@over='true'">
        <xsl:text>medium</xsl:text>
      </xsl:if>
      <xsl:if test="not(outlining/@over='true')">
        <xsl:text>0</xsl:text>
      </xsl:if>
      <xsl:text>; border-bottom-width: </xsl:text>
      <xsl:if test="outlining/@under='true'">
        <xsl:text>medium</xsl:text>
      </xsl:if>
      <xsl:if test="not(outlining/@under='true')">
        <xsl:text>0</xsl:text>
      </xsl:if>
    </xsl:when>
  </xsl:choose>
</xsl:if>
</xsl:if>
</xsl:if>
</xsl:if>
</xsl:template>

```

</xsl:stylesheet>