

UI guidelines to develop compatible code for IE and Firefox in ATG framework

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DOCUMENT REVISION LIST

Document Name: How to fix cross browser issues in ATG Framework UI guidelines to develop compatible code for IE and Firefox in ATG framework
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No.	Date	Description					
1.0	12/01/2009	Initial release					Initial release

Introduction

Today's business uses an eCommerce as one of the media to reach the customers. Web application plays a vital role in effective business and to increase an interaction with the customer. In which User Interface ("UI") is a player who plays between the system or business and the customer or end user. It is one of the major factors to bring the customer into business or maintain an existing customer/user with the business. There are many browsers through which the customer can browse. Hence developing a code which suits to most of the browsers which are commonly used is important. This document assists the developer by providing the scenarios to develop a code which works in Internet Explorer and Firefox with ATG Framework.

Issue with Button

Scenario 1

Button with mouseover is not working.

Solution:

- Here the <dsp:input> tag is embedded with the <a> tag. Instead of using two tags for button with mouseover, the single tag called <dsp:input> can be used with onmouseout, onmouseover attributes embedded in it.
- Remove the link, with its mouse over checkout image, and change/correct the input tag so it's an image that changes on mouseover.

Problem code:

```
<a onmouseout="MM_swapImgRestore()" href="#"  
onmouseover="MM_swapImage('imageCheckout','../images/common/ch  
eckout2.gif',1)"><dsp:input type="image" id="imageCheckout"  
bean="CartModifierFormHandler.moveToPurchaseInfo" alt=""  
name="imageCheckout" src="../images/common/checkout1.gif"  
border="0"/></a>
```

Fixed Code:

```
<dsp:input type="image" id="imageCheckout"  
bean="CartModifierFormHandler.moveToPurchaseInfo" alt=""  
name="imageCheckout" src="../images/common/checkout1.gif"  
border="0" onmouseout="MM_swapImgRestore()"  
onmouseover="MM_swapImage('imageCheckout','../images/common/c  
heckout2.gif',1)" />
```

Scenario 2

The URL isn't being correctly passed in non-IE browsers

Solution:

- Here the value is accessed using the name attribute and there is no id attribute. It is recommended that both name and id should match each other. So id is matched with name attribute and using this id the value is retrieved.
- Give the hidden input that contains the URL value an ID tag value of id="url" to match its Name tag value. Then update the variable that's being passed by the onclick link that's wrapped around the button image from (url.value) to (document.getElementById('url').value).

Problem code:

```
<dsp:param name="inUrl"
value='<%=request.getContextPath()+"/pdf/NewPrescriptionOrderForm.pdf"%
>'/>
<dsp:oparam name="output">
<dsp:getvalueof id="newPdfUrl" param="nonSecureUrl"
idtype="java.lang.String">
<input type="hidden" name="url" value="<%=newPdfUrl%"/>
<tr>
<td ><a href="#" onClick="download(url.value);"></a></td>
</tr>
</dsp:getvalueof>
</dsp:oparam>
</dsp:droplet>
```

Fixed Code:

```
<dsp:param name="inUrl"
value='<%=request.getContextPath()+"/ABCNewPrescriptionOrderForm.pdf"%
>'/>
<dsp:oparam name="output">
<dsp:getvalueof id="newPdfUrl" param="nonSecureUrl"
idtype="java.lang.String">
<input type="hidden" name="url" id="url" value="<%=newPdfUrl%>"/>
<tr>
<td ><a href="#"
onClick="download(document.getElementById('url').value);"></a></td>
</tr>
</dsp:getvalueof>
</dsp:oparam>
</dsp:droplet>
```

Scenario 3

The form tag is placed outside of the table elements.

Solution:

- To avoid the errors in firefox, the form tag is placed in <tr> tag and the single tag called <dsp:input> can be used with onmouseout, onmouseover attributes embedded in it.
- Add row and cell tags around the form to correct the table structure, and then remove the link from the input image and add back the mouseover code.

Problem code:

```
</tr>
<tr><dsp:form method="post" action="myaccount.jsp">
<td height="30" align="center" valign="top">
...
<td width="241" align="right"><a href="#"
onmouseout="MM_swapImgRestore()"
onMouseOver="MM_swapImage('Image23','../images/common/btn_continue_with_unsus2.gif',1)"><dsp:input type="image"
bean="ProfileFormHandler.saveEmailPreferences"
src="../images/common/btn_continue_with_unsus1.gif" alt="Continue with
Unsubscribe" name="Image23" border="0" id="Image23" /></a>
<dsp:input type="hidden" bean="ProfileFormHandler.emailPrefSuccessURL"
value="myaccount.jsp"/></td>
```

Fixed Code:

```
</tr>
<tr><td><dsp:form method="post" action="myaccount.jsp"></td></tr>
<tr>
<td height="30" align="center" valign="top">
...
<td width="241" align="right"><dsp:input type="image"
bean="ProfileFormHandler.saveEmailPreferences"
src="../images/common/btn_continue_with_unsus1.gif"
onmouseout="MM_swapImgRestore()"
onMouseOver="MM_swapImage('Image23','../images/common/btn_continue_with_unsus2.gif',1)" alt="Continue with Unsubscribe" name="Image23"
border="0" id="Image23" />
<dsp:input type="hidden" bean="ProfileFormHandler.emailPrefSuccessURL"
value="myaccount.jsp"/></td>
```

Issue with Link

Scenario 1

The tag <dsp:a> is placed outside the table cells.

Solution:

- Here the <dsp:a> tag is placed outside the table cells. That tag needs to be brought into the table cells.
- Move the link tag that calls those departments from outside the table cell into the table cell.

Problem code:

```
<dsp:a page="<%=a23%>">
<td width="195" align="left" class="cont">
<strong>
<dsp:valueof param="rootDepts.displayName" />
<dsp:param param="rootDepts.repositoryId" name="itemId" />
<dsp:param name="navAction" value="jump"/>
<dsp:param name="filterBy" param="filterBy"/>
<dsp:param name="navCount" bean="CatalogNavHistory.navCount"/>
</strong>
</td>
</dsp:a>
```

Fixed Code:

```
<td width="195" align="left" class="cont">
<strong>
<dsp:a page="<%=a23%>">
<dsp:valueof param="rootDepts.displayName" />
<dsp:param param="rootDepts.repositoryId" name="itemId" />
<dsp:param name="navAction" value="jump"/>
<dsp:param name="filterBy" param="filterBy"/>
<dsp:param name="navCount" bean="CatalogNavHistory.navCount"/>
</dsp:a>
</strong>
</td>
```


Scenario 2

The id attribute is missing in the input tag.

Solution:

- Add id value to match the name value in the input.
- The <dsp:input>tag is changed into the tag with id same as the name attribute.

Problem code:

```
<dsp:input bean="GiftlistFormHandler.addItemToGiftlist" type="submit"
value="Add to List" name='<%= "submit"+itemIndex%>' style="visibility:hidden"/>
```

Fixed Code:

```
<dsp:input bean="GiftlistFormHandler.addItemToGiftlist" type="submit"
value="Add to List" name='<%= "submit"+itemIndex%>'
id='<%= "submit"+itemIndex%>' style="visibility:hidden"/>
```