How to Fix cross browser issues in ATG Framework

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1.0	11/07/2008	Initial release					Initial release

Introduction

While developing web application for the internet, one of the biggest challenges lies in creating User Interface (UI) which must look the same in all browsers which clients may use. A lot of effort needs to be put in to the UI development and testing to see that the web application looks the same way for all users. The website works differently on different browsers mainly due to incompatible CSS support by the browsers.

Purpose

This document contains details and examples on how to fix the cross browser issues that occur with ATG framework. ATG framework (also called as Dynamo Application Framework) is used to develop dynamic web applications which are highly scalable.

Intended Audience

This document is intended for developers/designers who have experience in ATG framework and need to develop web applications that need to run on multiple web browsers.

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The Issues and how to fix them

Issue with submit button

Submit button works in Internet explorer but does not work in Firefox

Solution

Scenario 1

solution

Scenario 2

solution

Issue with dropdown list

Dropdown list works in Internet explorer but does not work in Firefox

Solution

Select tag id name must match the id name that the form handling code is expecting.

Problem code:

```
<dsp:select id="select4 iclass="drop_int" bean="UserSelection.selection" name="topic">
```

Fixed Code:

```
<dsp:select id="topic" iclass="drop_int" bean="UserSelection.selection" name="topic">
```

Issue – Link works in Internet explorer but does not work in Firefox

Problem description

TCS Public

Scenario 1

       solution

Scenario 2

       solution

Issue – Model dialog works in Internet explorer but does not work in other browsers

Modal Dialog works in IE but does not work in some other browsers.

Solution

The window.showModalDialog is an IE function which creates a popup window that a user has to interact with before they can move on, but it doesn't work in all browsers. For some of the other browsers, there is another function called window.open with dialog.modal = true. This function needs to be called for other browsers.

Browser Support
- IE6 - window.showModalDialog works

- IE7 - window.showModalDialog works

- IE8 - window.showModalDialog works

- Firefox 2.x - window.open with dialog.modal=yes works

- Firefox 3.b - window.showModalDialog works

- Opera 9.x - window.open with dialog.modal=yes works

- Safari 3.x - window.showModalDialog works

We can have a common function which can handle this as below:

```
function fnmodaldialog(url,name,height,width)
{
	if(window.showModalDialog){
	modaldialogfeatures='dialogWidth:'+width+'px;dialogHeight:'+height+'px;resizable:no;help:no;status:no;scroll:no';
	return
	window.showModalDialog(url,name,modaldialogfeatures);
	}
```

```
        else{
        windowopenfeatures='height='+height+',width='+width+',scrollba
        rs=no,titlebar=no,alwaysRaised=yes,dialog,modal=yes';
        window.open(url,name,windowopenfeatures);
        }
}
```

We'd then call that function from any page that needed it, via a link, passing the URL, Window name, height and width variables, like so:

```
<a href="#"
onclick="fnmodaldialog('http://www.google.co.in','here','290','560')">lin
k</a>
```