

## Defect Details

**Defect Id:** 97

**Project:** Gallery Server Pro

**Name:** Apostrophe or quotation mark in user name or role causes edit user/edit role dialog failure

**Date Found:** 5/14/2008

**Build #:** 2.0.2898

**Severity:** Low Impact

**Date Fixed:** 3/20/2009

**Build # of Fix:** 2.2.3366

**Status:** Closed

**Estimated Work:** 4 hrs

**Assigned To:** Roger Martin

**Priority:** Low

**Actual Work:** 4 hrs

**Reported By:** Roger Martin

**Percent Complete:** 100

### Description

An apostrophe or quotation mark in the name of a user or role causes an issue on the manage users / manage roles page. If you click Edit next to one of these users or roles, the edit user/edit role dialog appears. However, the dialog is unable to close when clicking Save changes or Cancel.

### Replication Procedures

### Resolution

Three changes were required:

1. Change the javascript functions `getUserName` and `getRoleName` so that the escaped names are passed through the javascript function `encodeURIComponent`.
2. Changed the server side function `AddEditColumnClientTemplate` so that the client template includes appropriate calls to `decodeURI` to properly round trip the encoded name back to its original value.,
3. Create javascript function `makeValidForId` so that the DOM id's that are named after the user and role names have apostrophes and quotation marks stripped out. Doing this fixes an issue where the Dialog control throws a "\_60 is null" error when the element is assigned as its `AnimationDirectionElement`.

```
function makeValidForId(userName)
{
// remove quotes and apostrophes
return userName.replace(/"/g, "").replace(/'/g, "");
}
function getUsername(dataItem)
{
var userName = dataItem.getMember('UserName').get_value();
// escape quotes and apostrophes
return encodeURIComponent(userName.replace(/"/g, "\\").replace(/'/g, "\\'"));
}
```

### Notes

**Defect Id:** 161

**Project:** Gallery Server Pro

**Name:** Rendering issue when gallery is used in web page with floated screen objects

**Date Found:** 12/15/2008

**Build #:** 2.1.3222

**Severity:** Low Impact

**Date Fixed:** 1/6/2009

**Build # of Fix:** 2.2.3292

**Status:** Closed

**Estimated Work:** 5 hrs

**Assigned To:** Roger Martin

**Priority:** Medium

**Actual Work:** 5 hrs

**Reported By:** Roger Martin

**Percent Complete:** 100

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### Description

Gallery Server makes heavy use of floated objects, especially the thumbnail images. Because of this, the CSS style 'clear:left', 'clear:right', or 'clear:both' is used on subsequent HTML elements so that their content appears after the floated ones.

When the gallery is used inside a web application with additional floated objects, such as a floated navigation of the left side, the use of 'clear' causes the object to clear ALL floated objects, causing rendering issues.

Re-opened 2009.01.06: Several of the task pages (assign thumbnail, edit captions, etc.) and the install/upgrade pages still contain clear:left references.

### Resolution

Instead of using clear, the parent of the floated element was given the style "overflow:hidden", which forces it to adopt the same width and height as its content, even when the content is floated. This was done in a few places in the CSS files gallery.css and ca\_styles.css. The HTML template for the image/\* MIME type in galleryserverpro.config was also modified to include a new container div with this hidden attribute.

2009.01.06: Replaced the use of clear:left in several of the task pages that were originally missed. Created CSS class gsp\_floatcontainer that can be applied to an HTML element (typically <div> tags) that contains floated objects. The class defines "overflow:hidden".

**Defect Id:** 162

**Project:** Gallery Server Pro

**Name:** Error: Item has already been added. Key in dictionary: 'Cannot send e-mail' Key being added: 'Cannot

**Date Found:** 1/2/2009

**Build #:** 2.2.3286

**Severity:** Low Impact

**Date Fixed:** 1/2/2009

**Build # of Fix:** 2.2.3289

**Status:** Closed

**Estimated Work:** 15 min

**Assigned To:** Roger Martin

**Priority:** Low

**Actual Work:** 15 min

**Reported By:** Roger Martin

**Percent Complete:** 100

### Description

The following error can occur when the error handling system is attempting to send the administrator an e-mail about an error:

Item has already been added. Key in dictionary: 'Cannot send e-mail' Key being added: 'Cannot send e-mail'

When an e-mail cannot be sent by the error handling system, code in the catch clause attempts to put the error message in the Data dictionary of the original exception. In certain circumstances, the code attempts to add this message twice. Since keys in dictionary objects must be unique, this causes an error.

### Resolution

Added a check in TIS.GSP.ErrorHandler.AppErrorHandler.SendErrorReport so that the error is added only if it doesn't already exist.

Original code:

```
ex.Data.Add("Cannot send e-mail", errorMsg);
```

Fixed code:

```
if(!ex.Data.Contains("Cannot send e-mail"))  
ex.Data.Add("Cannot send e-mail", errorMsg);
```

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**Defect Id:** 163

**Project:** Gallery Server Pro

**Name:** SQLite membership provider passes incorrect argument to ValidatePasswordEventArgs object

**Date Found:** 1/4/2009

**Build #:** 2.2.3286

**Severity:** No Impact

**Date Fixed:** 1/4/2009

**Build # of Fix:** 2.2.3291

**Status:** Closed

**Estimated Work:** 15 min

**Assigned To:** Roger Martin

**Priority:** Low

**Actual Work:** 15 min

**Reported By:** Roger Martin

**Percent Complete:** 100

### Description

When a user's password is changed, the SQLite membership provider ensures that it conforms to the password requirements and then passes an instance of `ValidatePasswordEventArgs` to the `System.Web.Security.MembershipProvider.OnValidatingPassword` method. The constructor for `ValidatePasswordEventArgs` looks like this:

```
public ValidatePasswordEventArgs(string userName, string password, bool isNewUser);
```

The `ChangePassword` function in `TIS.GSP.Data.SQLite.SQLiteMembershipProvider.cs` incorrectly passes `true` to the `isNewUser` parameter. Since changing a password involves an existing user, it should be false.

This has no effect in Gallery Server. Only code that subscribes to the `System.Web.Security.Membership.ValidatingPassword` event and then subsequently queries the `IsNewUser` property `System.Web.Security.ValidatePasswordEventArgs` is affected.

### Resolution

Modified code in `ChangePassword` function (`TIS.GSP.Data.SQLite.SQLiteMembershipProvider.cs`) so that false is passed to the `isNewUser` parameter:

```
ValidatePasswordEventArgs args = new ValidatePasswordEventArgs(username, newPassword, false);
```

**Defect Id:** 165

**Project:** Gallery Server Pro

**Name:** Incorrect wording in the 'About private albums' popup

**Date Found:** 1/5/2009

**Build #:** 2.2.3286

**Severity:** Low Impact

**Date Fixed:** 1/5/2009

**Build # of Fix:** 2.2.3292

**Status:** Closed

**Estimated Work:** 10 min

**Assigned To:** Roger Martin

**Priority:** Low

**Actual Work:** 10 min

**Reported By:** Roger Martin

**Percent Complete:** 100

### Description

The informational popup that appears to the private album checkbox on the edit album info dialog box has, in part, this text:

"Note: If you want to require users to log on to see all the albums in the entire gallery, consider turning off anonymous access in the web.config file as an alternative to setting all albums to private."

This was true in versions prior to 2.2, but now the anonymous setting is controlled by the `allowAnonymousBrowsing` setting in `galleryserverpro.config`.

### Resolution

Changed to:

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"Note: If you want to require users to log on to see all the albums in the entire gallery, consider turning off anonymous access by setting allowAnonymousBrowsing to false in galleryserverpro.config."

**Defect Id:** 166

**Project:** Gallery Server Pro

**Name:** Confirmation message not shown after rotating image

**Date Found:** 1/5/2009

**Build #:** 2.2.3286

**Severity:** Low Impact

**Date Fixed:** 1/16/2009

**Build # of Fix:** 2.2.3303

**Status:** Closed

**Estimated Work:** 30 min

**Assigned To:** Roger Martin

**Priority:** Low

**Actual Work:** 30 min

**Reported By:** Roger Martin

**Percent Complete:** 100

### Description

When an image is rotated, the user is redirected to the view page for that image, where a confirmation message should be shown. That message does not appear.

Also, the user is redirected to the referring page, which may be a different media object than is being rotated. This occurs when the user clicks the next and previous buttons, which uses ajax to navigate and does not perform a postback.

### Resolution

There were two issues:

1. The rotate image control was incorrectly calling `GalleryPage.RedirectToReferringPage`. The function `GalleryServerPro.Web.gs.pages.task.rotateimage.OnBubbleEvent` was modified so that the first parameter sent to `RedirectToReferringPage` was "msg" instead of "msg={0}".
2. The media object view control did not have a mechanism to show a user message. Originally only the album view page showed messages. The message display mechanism was refactored out of the album control (`GalleryServerPro.Web.gs.pages.album`) into the `GalleryPage` class. Then both the album and media object view control (`GalleryServerPro.Web.gs.pages.mediaobject`) were modified to display the message if the msg parameter was present in the query string.

Regarding the second issue where the user was redirected to the wrong media object, that was solved by using `Util.Redirect()` instead of `RedirectToReferringPage` in the `OnBubbleEvent` of `rotateimage.ascx.cs`.

### Original:

```
if (msg > int.MinValue)
    this.RedirectToReferringPage("msg", msg.ToString(CultureInfo.InvariantCulture));
else
    this.RedirectToReferringPage("msg", ((int)Message.ObjectsSuccessfullyRotated).ToString(CultureInfo.InvariantCulture));
```

### Fixed:

```
if (msg > int.MinValue)
    Util.Redirect(PageId.mediaobject, "moid={0}&msg={1}", this.GetMediaObject().Id, msg.ToString(CultureInfo.InvariantCulture));
else
    Util.Redirect(PageId.mediaobject, "moid={0}&msg={1}", this.GetMediaObject().Id, ((int)Message.ObjectsSuccessfullyRotated).ToString(CultureInfo.InvariantCulture));
```

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[CultureInfo.InvariantCulture](#));

**Defect Id:** 167

**Project:** Gallery Server Pro

**Name:** Permalink may contain 'msg' query string parameter

**Date Found:** 1/5/2009

**Build #:** 2.2.3286

**Severity:** Low Impact

**Date Fixed:** 1/5/2009

**Build # of Fix:** 2.2.3292

**Status:** Closed

**Estimated Work:** 30 min

**Assigned To:** Roger Martin

**Priority:** Low

**Actual Work:** 30 min

**Reported By:** Roger Martin

**Percent Complete:** 100

### Description

The permalink that is available when a media object is shown may incorrectly contain the query string parameter 'msg'. This will occur after rotating an image. In 2.2.3286, this had no negative effect because the media object view page didn't display a message (which is actually a bug), but subsequent versions did. Must generate a permalink without the 'msg' query string parm.

### Resolution

Modified gs\script\mediaobjectview.js to include a new function removeQSParm that removes the specified query string parameter. The function is invoked from getPermalink, which is also in that file.

**Defect Id:** 168

**Project:** Gallery Server Pro

**Name:** "Cannot create a file" error when deleting high res photos

**Date Found:** 1/7/2009

**Build #:** 2.2.3286

**Severity:** Low Impact

**Date Fixed:** 1/7/2009

**Build # of Fix:** 2.2.3294

**Status:** Closed

**Estimated Work:** 1 hrs

**Assigned To:** Roger Martin

**Priority:** Low

**Actual Work:** 1 hrs

**Reported By:** Roger Martin

**Percent Complete:** 100

### Description

A naming conflict can occur when a user uses the delete hi-res photos function. Scenario:

\* Two photos named XXXXX.jpg and XXXXX.jpeg are added to an album. GSP creates an optimized version of XXXXX.jpg named zOpt\_XXXXX.jpeg.

\* The user chooses to delete the hi-res version of XXXXX.jpg. GSP deletes the original (XXXXX.jpg) and attempts to rename zOpt\_XXXXX.jpeg to XXXXX.jpeg. Since that name is already used by the other media object, an error occurs.

Error - Cannot create a file when that file already exists.

Type: System.IO.IOException

Message: Cannot create a file when that file already exists.

Source: mscorlib

TargetSite: Void WinIOError(Int32, System.String)

StackTrace: at System.IO.\_\_Error.WinIOError(Int32 errorCode, String maybeFullPath)

at System.IO.File.Move(String sourceFileName, String destFileName)

at GalleryServerPro.Web.gs.pages.task.deletehires.btnOkClicked() in

C:\Development\TIS\TIS.GSP\Website\gs\pages\task\deletehires.ascx.cs:line 214

at GalleryServerPro.Web.gs.pages.task.deletehires.OnBubbleEvent(Object source, EventArgs args) in

C:\Development\TIS\TIS.GSP\Website\gs\pages\task\deletehires.ascx.cs:line 45

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```
at System.Web.UI.Control.RaiseBubbleEvent(Object source, EventArgs args)
at System.Web.UI.Page.RaisePostBackEvent(IPostBackEventHandler sourceControl, String eventArgument)
at System.Web.UI.Page.ProcessRequestMain(Boolean includeStagesBeforeAsyncPoint, Boolean
includeStagesAfterAsyncPoint)
```

### Resolution

The fix is to verify that the new name is unique before renaming the file. The following code was added to the btnOkClicked function of GalleryServerPro.Web.gs.pages.task.deletehires.ascx.cs:

```
// Now validate that the new path is not already used by an existing file. For example, we might be renaming
// zOpt_photo.jpeg to photo.jpg. If photo.jpg is already in use, we need to change it to something else.
string dirPath = Path.GetDirectoryName(originalPath);
string filename = Path.GetFileName(originalPath);
string newFilename = HelperFunctions.ValidateFileName(dirPath, filename);

if(!newFilename.Equals(filename, StringComparison.OrdinalIgnoreCase))
    originalPath = Path.Combine(dirPath, newFilename);
```

**Defect Id:** 169

**Project:** Gallery Server Pro

**Name:** Configuration Error when running GSP in a second web application

**Date Found:** 1/7/2009

**Build #:** 2.2.3286

**Severity:** Low Impact

**Date Fixed:** 1/7/2009

**Build # of Fix:** 2.2.3294

**Status:** Closed

**Estimated Work:** 30 min

**Assigned To:** Roger Martin

**Priority:** Medium

**Actual Work:** 30 min

**Reported By:** Roger Martin

**Percent Complete:** 100

### Description

A configuration error (shown below) occurs when running GSP in a web application that is nested in a directory within another web application running GSP. This occurs because configuration data is inherited from the parent galleryserverpro.config. When the additional data from the inner application is included, a violation occurs.

#### Configuration Error

An error occurred during the processing of a configuration file required to service this request. Please review the specific error details below and modify your configuration file appropriately.

The entry 'video/x-ms-wvx' has already been added.

**Line 71:** <mediaObject mimeType="video/x-ms-wvx">

### Resolution

Added <clear /> after the <mediaObjects> element in galleryserverpro.config:

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```
<mediaObjects>
<clear />
<mediaObject mimeType="image/*"> ...
```

It was also added to the <mimeTypes> element, although for some reason no error occurs when it is missing.

```
<mimeTypes>
<clear />
<mimeType fileExtension=".afl" browserId="default" type="video/animaflex" allowAddToGallery="false" />
```

**Defect Id:** 170

**Project:** Gallery Server Pro

**Name:** Popup help text very small in integrated web site

**Date Found:** 1/7/2009

**Build #:** 2.2.3286

**Severity:** Low Impact

**Date Fixed:** 1/7/2009

**Build # of Fix:** 2.2.3294

**Status:** Closed

**Estimated Work:** 1 hrs

**Assigned To:** Roger Martin

**Priority:** Medium

**Actual Work:** 1 hrs

**Reported By:** Roger Martin

**Percent Complete:** 100

### Description

When GSP is integrated into another web site, the text of the yellow popup help windows may appear very small.

### Resolution

The ComponentArt Dialog control was defined to use the gsp\_fsss CSS class as part of its styling, which is defined as: font-size: 0.7em. It is not entirely clear why, but for some reason when it was integrated into another web site (in this case -www.galleryserverpro.com) the text appeared very small. It is well known that a side effect of using em is that it can be multiplied with nested HTML elements, but the exact root cause is not understood.

At any rate, the fix was to eliminate the gsp\_fsss CSS class. The text appears in a reasonable size without it, both as a standalone app and integrated into another app.

**Defect Id:** 171

**Project:** Gallery Server Pro

**Name:** SQLite error "Database file is locked"

**Date Found:** 1/8/2009

**Build #:** 2.2.3286

**Severity:** Medium Impact

**Date Fixed:** 1/8/2009

**Build # of Fix:** 2.2.3295

**Status:** Closed

**Estimated Work:** 30 min

**Assigned To:** Roger Martin

**Priority:** Medium

**Actual Work:** 30 min

**Reported By:** Roger Martin

**Percent Complete:** 100

### Description

Occasional error: "Database file is locked database is locked". It can be reproduced by executing a long-running synch in one browser and using another browser to view albums. This should run without error, since only one user is writing (read operations can be shared).

Note: Technically, this scenario requires the second user to be anonymous and web.config modified to disable anonymous profiling [anonymousIdentification="false" and allowAnonymous="false" in the profile section]. This is

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because the profile provider attempts to store the user's preferences as she browses.

### Resolution

I discovered a few undisposed SQLiteCommand objects in GalleryServerPro.Data.SQLite.SQLiteGalleryServerProProvider. These were fixed.

I doubled checked all the SQLiteCommand references in the membership, roles, and profile providers, and they were already properly disposed.

**Defect Id:** 172

**Project:** Gallery Server Pro

**Name:** Upload control supported only in Firefox and IE

**Date Found:** 1/8/2009

**Build #:** 2.2.3286

**Severity:** Low Impact

**Date Fixed:** 1/21/2009

**Build # of Fix:** 2.2.3308

**Status:** Closed

**Estimated Work:** 1 hrs

**Assigned To:** Roger Martin

**Priority:** Low

**Actual Work:** 1 hrs

**Reported By:** Roger Martin

**Percent Complete:** 100

### Description

The ComponentArt Upload control is supported only in Firefox and IE, not Google Chrome, Safari (need to check about Opera).

### Resolution

Modified the add objects page and backup/restore site admin page so that the ComponentArt Upload control is used when both conditions are satisfied:

1. Application is running at Full Trust.
2. The browser is IE or Firefox.

If either of the above is false, the ASP.NET FileUpload control is used.

**Defect Id:** 173

**Project:** Gallery Server Pro

**Name:** Can't leave Web site heading text URL field blank

**Date Found:** 1/12/2009

**Build #:** 2.2.3286

**Severity:** Low Impact

**Date Fixed:** 4/29/2009

**Build # of Fix:** 2.3.3406

**Status:** Closed

**Estimated Work:** 1 hrs

**Assigned To:** Roger Martin

**Priority:** Low

**Actual Work:** 10 min

**Reported By:** Roger Martin

**Percent Complete:** 100

### Description

By default the web site heading text is rendered as a hyperlink that links to the root album. The link URL can be changed through the web site heading text URL setting on the Site admin - General page. However, the user cannot completely disable the link. If the field is left blank, an error "Web site heading text URL can't be left empty" occurs. The user can edit galleryserverpro.config in a text editor to set pageHeaderTextUrl to an empty string. This works, except that the validation on the Site admin - General page will not allow changes to any settings when that field is blank.

This field should be allowed to be left blank. When blank, the title should render is regular text without a hyperlink.

### Resolution

Set IsRequired="False" of the wwDataBindingItem for the gallery title URL on the page `gs\pages\admin\general.ascx`.

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**Defect Id:** 174

**Project:** Gallery Server Pro

**Name:** Cannot move external media object

**Date Found:** 1/14/2009

**Build #:** 2.2.3286

**Severity:** Medium Impact

**Date Fixed:** 1/21/2009

**Build # of Fix:** 2.2.3308

**Status:** Closed

**Estimated Work:** 1 hrs

**Assigned To:** Roger Martin

**Priority:** High

**Actual Work:** 30 min

**Reported By:** Roger Martin

**Percent Complete:** 100

## Description

The following error occurs when you move an external media object:

**Error - One or both arguments contain an empty string. dirPath = "E:\web\techinfosyl\htdocs\marogeret\gallery\mediaobjects\Video\B.S. (Before Skyler)"; fileName = ""**

Name	Value
Type	System.ArgumentException
Message	One or both arguments contain an empty string. dirPath = "E:\web\techinfosyl\htdocs\marogeret\gallery\mediaobjects\Video\B.S. (Before Skyler)"; fileName = ""
Source	GalleryServerPro.Business
TargetSite	System.String ValidateFileName(System.String, System.String)
StackTrace	at GalleryServerPro.Business.HelperFunctions.ValidateFileName(String dirPath, String fileName) at GalleryServerPro.Business.GalleryObject.MoveTo(IAlbum destinationAlbum) at GalleryServerPro.Web.Util.MoveGalleryObject(IGalleryObject galleryObjectToMove, IAlbum destinationAlbum) at GalleryServerPro.Web.gs.pages.task.transferobject.TransferObjects() at GalleryServerPro.Web.gs.pages.task.transferobject.btnOkClicked(String step) at GalleryServerPro.Web.gs.pages.task.transferobject.OnBubbleEvent(Object source, EventArgs args) at System.Web.UI.Control.RaiseBubbleEvent(Object source, EventArgs args) at System.Web.UI.WebControls.Button.OnCommand(CommandEventArgs e) at System.Web.UI.WebControls.Button.RaisePostBackEvent(String eventArgument) at System.Web.UI.WebControls.Button.System.Web.UI.IPostBackEventHandler.RaisePostBackEvent(String eventArgument) at System.Web.UI.Page.RaisePostBackEvent(IPostBackEventHandler sourceControl, String eventArgument) at System.Web.UI.Page.RaisePostBackEvent(NameValueCollection postData) at System.Web.UI.Page.ProcessRequestMain(Boolean includeStagesBeforeAsyncPoint, Boolean includeStagesAfterAsyncPoint)

## Resolution

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Modified GalleryServerPro.Business. [GalleryObject](#).

MoveTo() so that original file is moved only when one exists.

### Original code:

```
string destOriginalFilename = HelperFunctions.ValidateFileName(destPath, this.Original.FileName);
string destOriginalPath = System.IO.Path.Combine(destPath, destOriginalFilename);
System.IO.File.Move(this.Original.FileNamePhysicalPath, destOriginalPath);
```

### Fixed code:

```
string destOriginalPath = String.Empty;
if (System.IO.File.Exists(this.Original.FileNamePhysicalPath))
{
    string destOriginalFilename = HelperFunctions.ValidateFileName(destPath, this.Original.FileName);
    destOriginalPath = System.IO.Path.Combine(destPath, destOriginalFilename);
    System.IO.File.Move(this.Original.FileNamePhysicalPath, destOriginalPath);
}
```

**Defect Id:** 175

**Project:** Gallery Server Pro

**Name:** Album thumbnails not updated after move

**Date Found:** 1/15/2009

**Build #:** 2.2.3286

**Severity:** Medium Impact

**Date Fixed:** 1/21/2009

**Build # of Fix:** 2.2.3308

**Status:** Closed

**Estimated Work:** 2 hrs

**Assigned To:** Roger Martin

**Priority:** High

**Actual Work:** 45 min

**Reported By:** Roger Martin

**Percent Complete:** 100

### Description

When all objects are moved out of an album, the thumbnail for the album should revert to the default empty thumbnail. Instead, the previous thumbnail is preserved.

Note that a synchronization of the empty album does not update the thumbnail, which is correct behavior, although it doesn't seem like it at first. Remember that GSP does not enforce a rule that says the thumbnail must lie within the album to which it is assigned; it only updates the thumbnail if one does not exist. In this case, the thumbnail does exist, although it is in a different album. It is possible to enforce this rule, but this may interfere with users who expect the thumbnail ID's to remain set to a custom value.

### Replication Procedures

Steps to repro:

1. Start with an empty album. Add another album that contains at least one photo to it. Note that the thumbnail for the parent album is correctly updated to the thumbnail from the child album.
2. Move the child album to another album. Note that the parent album's thumbnail continues to have the previous thumbnail. Even a synch doesn't update it.

### Resolution

It seems unlikely this bug has always existed, but it is not clear when it first appeared. At any rate, the Album.MoveTo() method was correctly assigning the thumbnail, only to have it undone by the subsequent call to Album.AssignAlbumThumbnail in GalleryServerPro.Web.gs.pages.task.transferobject.TransferObjects() because that method was using the cached copy of the Album object that was returned by this.GetAlbum(). The issue was resolved by removing this line of code from TransferObjects():

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Album.AssignAlbumThumbnail(this.GetAlbum(), true, false, this.Page.User.Identity.Name);

**Defect Id:** 176

**Project:** Gallery Server Pro

**Name:** Album dates not localized

**Date Found:** 1/16/2009

**Build #:** 2.2.3286

**Severity:** Low Impact

**Date Fixed:** 1/16/2009

**Build # of Fix:** 2.2.3303

**Status:** Closed

**Estimated Work:** 30 min

**Assigned To:** Roger Martin

**Priority:** Medium

**Actual Work:** 30 min

**Reported By:** Roger Martin

**Percent Complete:** 100

### Description

The begin and end date textboxes on the edit album popup should display and accept dates in the culture specified by the user's browser or operating system. Instead, it displays in the en-US (English - United States) culture.

This was working in 2.1 and broke in 2.2.3286.

### Resolution

Caused by the EnableScriptGlobalization not being set to true on the ScriptManager control. Added property to default.aspx and the dynamically added control in GalleryServerPro.Web.Pages.GalleryPage.GalleryPage\_Init.

**Defect Id:** 177

**Project:** Gallery Server Pro

**Name:** User or role 'XXX' does not exist in this database

**Date Found:** 1/16/2009

**Build #:** 2.2.3286

**Severity:** Medium Impact

**Date Fixed:** 1/19/2009

**Build # of Fix:** 2.2.3306

**Status:** Closed

**Estimated Work:** 2 hrs

**Assigned To:** Roger Martin

**Priority:** High

**Actual Work:** 2 hrs

**Reported By:** Roger Martin

**Percent Complete:** 100

### Description

When installing GSP with SQL Server and specifying a runtime user that has been configured as the database owner, the following SQL fails in ConfigureRuntimeLogin during the installation:

#### EXEC

```
sp_addrolemember@rolename=N'gs_GalleryServerProRole',@membername=N'testowner'
```

The error is "User or role 'XXX' does not exist in this database."

### Resolution

Modified the install wizard so that if an exception occurs when trying to add the user to the role, a separate test will occur to see if the user is in the db\_owner database role. If she is, then the error is ignored. If not, the exception is rethrown.

Many of the SQL functions originally had error handlers that swallowed exceptions and assigned error messages within the SQL executing functions. This presented a problem in implementing this fix because we wanted the exception to bubble up to the calling routine. Therefore, refactoring was done so that the SQL executing functions threw any errors that occurred and the calling routines had to handle them.

## Defect Details

**Defect Id:** 178

**Project:** Gallery Server Pro

**Name:** High-res images do not display correctly when navigated directly by hyperlink

**Date Found:** 1/22/2009

**Build #:** 2.2.3286

**Severity:** Medium Impact

**Date Fixed:** 1/22/2009

**Build # of Fix:** 2.2.3309

**Status:** Closed

**Estimated Work:** 1 hrs

**Assigned To:** Roger Martin

**Priority:** Medium

**Actual Work:** 1 hrs

**Reported By:** Roger Martin

**Percent Complete:** 100

### Description

GSP includes the "hr=1" in the query string to specify that the high-res version of a particular image should be displayed rather than the optimized one. However, GSP creates the container HTML object with the width and height of the optimized image, resulting in a cropped image.

This bug is exposed in two places:

1. The permalink URL includes "hr=1" for high-res images.
2. The config setting "thumbnailClickShowsOriginal" uses "hr=1" when set to true.

### Resolution

Modified controls\mediaobjectview.ascx to include a new property ToolbarContainerWidth. This property, including modifying the property MediaObjectContainerWidth, fixed the issue.

**Defect Id:** 179

**Project:** Gallery Server Pro

**Name:** Permalink is not updated when high-res button is toggled

**Date Found:** 1/22/2009

**Build #:** 2.2.3286

**Severity:** Medium Impact

**Date Fixed:** 1/22/2009

**Build # of Fix:** 2.2.3309

**Status:** Closed

**Estimated Work:** 1 hrs

**Assigned To:** Roger Martin

**Priority:** High

**Actual Work:** 1 hrs

**Reported By:** Roger Martin

**Percent Complete:** 100

### Description

The permalink URL is not updated when the user toggles the high-res version of an image.

### Resolution

Modified the getPermalink() function in scripts\mediaobjectview.js so that the "hr" query string parameter is included in the permalink when needed.

**Defect Id:** 180

**Project:** Gallery Server Pro

**Name:** Current album view not preserved when user navigates to Site admin

**Date Found:** 1/22/2009

**Build #:** 2.2.3286

**Severity:** Low Impact

**Date Fixed:** 1/22/2009

**Build # of Fix:** 2.2.3309

**Status:** Closed

**Estimated Work:** 30 min

**Assigned To:** Roger Martin

**Priority:** Low

**Actual Work:** 30 min

**Reported By:** Roger Martin

**Percent Complete:** 100

### Description

The hyperlinks in the Site admin area do not include the "aid" query string parameter, and therefore do not preserve

## Defect Details

the current album. When one of them is clicked, the breadcrumb menu along the top defaults to showing only the top level album.

The album the user was viewing should be preserved as the user navigates the Site admin area.

### Resolution

Modified controls\admin\adminmenu.ascx.cs so that the album ID is included in the hyperlinks of the Site admin page.

**Defect Id:** 181

**Project:** Gallery Server Pro

**Name:** Limited permission user can't add zip with nested album

**Date Found:** 1/23/2009

**Build #:** 2.2.3286

**Severity:** Low Impact

**Date Fixed:** 1/26/2009

**Build # of Fix:** 2.2.3313

**Status:** Closed

**Estimated Work:** 1 hrs

**Assigned To:** Roger Martin

**Priority:** Medium

**Actual Work:** 1 hrs

**Reported By:** Roger Martin

**Percent Complete:** 100

### Description

A user that is not a member of the System Administrator's role encounters the following error when trying to upload a ZIP file that contains a nested directory:

Error - You do not have permission 'AddChildAlbum' for album ID X.

### Resolution

The error was being thrown during ZIP file extraction in the function `GalleryServerPro.Business.ZipUtility.VerifyAlbumExistsAndReturnReference`:

```
if(this._isAuthenticated)
    SecurityManager.ThrowIfUserNotAuthorized(SecurityActions.AddChildAlbum,this._roles, currentAlbum.Id,this._isAuthenticated,
currentAlbum.IsPrivate);
```

Since nested directories in ZIP files are turned into albums as they are extracted, the security check will fail when checking a newly created album. This is because the GSP roles have not yet been updated to reflect the new album. The fix was to only do a security check when creating the first album below the previously existing parent album:

```
if(this._isAuthenticated && (currentAlbum.Id == rootParentAlbum.Id))
    SecurityManager.ThrowIfUserNotAuthorized(SecurityActions.AddChildAlbum,this._roles, currentAlbum.Id,this._isAuthenticated,
currentAlbum.IsPrivate);
```

**Defect Id:** 182

**Project:** Gallery Server Pro

**Name:** Role / album relationships not saved correctly

**Date Found:** 1/23/2009

**Build #:** 2.2.3286

**Severity:** Medium Impact

**Date Fixed:** 1/23/2009

**Build # of Fix:** 2.2.3310

**Status:** Closed

**Estimated Work:** 1 hrs

**Assigned To:** Roger Martin

**Priority:** High

**Actual Work:** 15 min

**Reported By:** Roger Martin

**Percent Complete:** 100

# Defect Details

## Description

The album(s) that applies to a role is sometimes not saved correctly. Applies only when SQLite is the data store.

Repro steps:

1. Set up a role that applies to an album that has at least one child album. Save.
2. Edit that role by unchecking the album and then re-checking one of the child albums. Save.

Notice the newly checked child album is not saved.

## Resolution

There was an incorrect method call in  
GalleryServerPro.Data.SQLite.SQLiteGalleryServerProProvider.PersistRoleAlbumRelationshipsToDataStore:

```
using(IDataReaderdr = Roles_GetDataReaderRoleAllAlbums(role.RoleName))
```

Should have been:

```
using
```

```
(IDataReaderdr = Roles_GetDataReaderRoleRootAlbums(role.RoleName))
```

**Defect Id:** 183

**Project:** Gallery Server Pro

**Name:** Light grey border on thumbnail and optimized images

**Date Found:** 2/1/2009

**Build #:** 2.2.3286

**Severity:** Low Impact

**Date Fixed:** 2/1/2009

**Build # of Fix:** 2.2.3319

**Status:** Closed

**Estimated Work:** 1 hrs

**Assigned To:** Roger Martin

**Priority:** Low

**Actual Work:** 1 hrs

**Reported By:** Roger Martin

**Percent Complete:** 100

## Description

A thin grey border appears on the top and left of all images that are created from original images.

## Resolution

Using the HighQualityBicubic interpolation mode to create resized images adds a grey border to the top and left. This was resolved by filling the graphics object with a white rectangle during resizing. Specifically, the following line was added to GalleryServerPro.Business.ImageHelper.CreateResizedBitmap():

```
newBmpGraphics.FillRectangle(System.Drawing.
```

```
Brushes.White, 0, 0, newBmp.Width, newBmp.Height);
```

If a user modifies the gallery layout to use a black background around the image, one will be able to see a thin white line. There are two workarounds:

1. Modify the source code to use a different color. This is a global change, however and will apply to all images that are created.
2. Instead of using the FillRectangle technique, use the following lines. Unfortunately, a very light grey border is still present. Even worse,

## Defect Details

white backgrounds in the image are turned slightly darker.

```
newBmpGraphics.PixelOffsetMode = System.Drawing.Drawing2D.PixelOffsetMode.HighQuality;  
newBmpGraphics.CompositingQuality = System.Drawing.Drawing2D.CompositingQuality.HighQuality;
```

### Notes

A discussion of the issue is at <http://social.msdn.microsoft.com/Forums/en-US/winforms/thread/2c9ac8d0-366c-4919-8f92-3a91c56f41e0/>.

**Defect Id:** 184

**Project:** Gallery Server Pro

**Name:** Closing the progress window during a file upload does not cancel file transfer

**Date Found:** 2/2/2009

**Build #:** 2.2.3286

**Severity:** Medium Impact

**Date Fixed:** 2/2/2009

**Build # of Fix:** 2.2.3320

**Status:** Closed

**Estimated Work:** 1 hrs

**Assigned To:** Roger Martin

**Priority:** Medium

**Actual Work:** 1 hrs

**Reported By:** Roger Martin

**Percent Complete:** 100

### Description

When adding objects a progress window appears. If the user closes the window by clicking the X in the top right corner, the window closes but the files continue to be transferred and added to the gallery.

### Resolution

Modified GalleryServerPro.Web.gs.pages.task.addobjects.AddUploadDialogClientTemplate() so that the upload is aborted when the X is clicked. Previously, the onclick event handler was:

```
onclick="UploadDialog.close();this.blur();return false;"
```

It was changed to:

```
onclick="Upload1.abort();UploadDialog.close();this.blur();return false;"
```

**Defect Id:** 185

**Project:** Gallery Server Pro

**Name:** Update ASP.NET membership SQL scripts

**Date Found:** 2/4/2009

**Build #:** 2.2.3286

**Severity:** Low Impact

**Date Fixed:** 2/4/2009

**Build # of Fix:** 2.2.3322

**Status:** Closed

**Estimated Work:** 1 hrs

**Assigned To:** Roger Martin

**Priority:** Low

**Actual Work:** 1 hrs

**Reported By:** Roger Martin

**Percent Complete:** 100

### Description

Replace the existing ASP.NET membership SQL scripts with the latest versions provided by Microsoft.

### Resolution

The following scripts were updated: InstallCommon.sql, InstallMembership.sql, and InstallRoles.sql. The script InstallProfile.SQL did not have any changes.

SQL was removed from InstallCommon.sql that created an aspnetdb database. SQL was removed from InstallMembership.sql and InstallRoles.sql that hard-codes a reference to the aspnetdb database.

The only change that I anticipate affects GSP users is the definition of a temporary table in

## Defect Details

InstallCommon.sql:

```
CREATE TABLE #aspnet_Permissions
(  
Owner sysname,  
Object sysname,  
Grantee sysname,  
Grantor sysname,  
ProtectType char(10),  
[Action] varchar(60),  
[Column] sysname  
)
```

The [Action] column was previously 20 characters. This should help prevent the error some users were getting, as explained in this thread:

[http://www.galleryserverpro.com/forum/yaf\\_postst91\\_Error-while-installation.aspx](http://www.galleryserverpro.com/forum/yaf_postst91_Error-while-installation.aspx)

**Defect Id:** 186

**Project:** Gallery Server Pro

**Name:** Error: The type initializer for 'Gsp.Gallery' threw an exception

**Date Found:** 2/6/2009

**Build #:** 2.2.3286

**Severity:** Medium Impact

**Date Fixed:** 2/6/2009

**Build # of Fix:** 2.2.3324

**Status:** Closed

**Estimated Work:** 2 hrs

**Assigned To:** Roger Martin

**Priority:** Medium

**Actual Work:** 2 hrs

**Reported By:** Roger Martin

**Percent Complete:** 100

### Description

Occasionally the following error occurs when starting a synchronization: "The type initializer for 'Gsp.Gallery' threw an exception." When this happens, it may continue occurring even when navigating to another page and returning. Recycling the application pool clears the error.

### Resolution

I believe this is caused, at least in part, by code that tries to access the session object when no session exists. Specifically, this will happen when the application pool has recycled and the next request comes from a web service call that does not have session enabled. The fix was to modify the initialization code so that the session object is checked for null before being accessed. The method is Website\CodeFiles\Util\InitializeApplication().

**Defect Id:** 188

**Project:** Gallery Server Pro

**Name:** Synch dialog left in inconsistent state after error

**Date Found:** 2/6/2009

**Build #:** 2.2.3286

**Severity:** Low Impact

**Date Fixed:** 2/6/2009

**Build # of Fix:** 2.2.3324

**Status:** Closed

**Estimated Work:** 2 hrs

**Assigned To:** Roger Martin

**Priority:** Medium

**Actual Work:** 2 hrs

**Reported By:** Roger Martin

**Percent Complete:** 100

### Description

Certain errors that occur during a synchronization, such as a dropped internet connection, cause an alert message to be displayed to user with the text of an error, such as The server method 'GetCurrentStatus' has failed. After clicking OK, the synchronization dialog appears to continue running, although the progress never changes. Furthermore, the

## Defect Details

Cancel button no longer works.

### Resolution

The logic in Website\gs\pages\task\synchronize.ascx.cs was reworked to include the following changes:

1. Modified the client side functionsynchCompletedUpdateUIFailure. The main change is to reset the dialog to enable the close button.
2. Display the HTTP status code if an error occurs.

**Defect Id:** 189

**Project:** Gallery Server Pro

**Name:** Cannot delete a role with Administer Site permission in SQLite

**Date Found:** 2/9/2009

**Build #:** 2.2.3286

**Severity:** Medium Impact

**Date Fixed:** 2/9/2009

**Build # of Fix:** 2.2.3327

**Status:** Closed

**Estimated Work:** 30 min

**Assigned To:** Roger Martin

**Priority:** Low

**Actual Work:** 30 min

**Reported By:** Roger Martin

**Percent Complete:** 100

### Description

When deleting a role with Administer Site permission, validation code checks to make sure at least one other role has this permission so that gallery administration can continue. When using SQLite, the following error may occur when deleting one of these roles:

**Cannot delete roleYou are attempting to delete a role that has Administer site permission, but doing so would leave Gallery Server Pro without a user with administrative privileges. Make sure at least one user belongs to a role with Administer site permission, and then try again.**

**However, this error occurs even when another role \*does\* have Administer Site permission.**

### Resolution

The SQLite role provider has an error in theGetUsersInRole function. Specifically, it does not return any users when a role name has one or more upper case letters. This is because the role name is converted to lowercase before doing the comparison to the database values, and SQLite is performing a case-sensitive search.

The fix for this bug was combined with bug # 191 (Role name behavior inconsistent between SQLite and SQL Server). The aspnet\_Roles table was updated to include a new column LoweredRoleName. The SQL in the GetUsersInRole function was updated to use this new column in the WHERE clause.

**Defect Id:** 190

**Project:** Gallery Server Pro

**Name:** Deleting a role leaves orphan user/role relationships in SQLite

**Date Found:** 2/10/2009

**Build #:** 2.2.3286

**Severity:** Low Impact

**Date Fixed:** 2/10/2009

**Build # of Fix:** 2.2.3328

**Status:** Closed

**Estimated Work:** 1 hrs

**Assigned To:** Roger Martin

**Priority:** Medium

**Actual Work:** 1 hrs

**Reported By:** Roger Martin

**Percent Complete:** 100

### Description

When deleting a role using the SQLite role provider, the user/role relationship records are not deleted from the aspnet\_UsersInRoles table. This does not cause an error but the record takes up space and should be deleted.

### Resolution

The fix is to change the order of the SQL inGalleryServerPro.Data.SQLite.SQLiteRoleProvider.DeleteRole so that the records in the aspnet\_UsersInRoles table are deleted before the role record in the aspnet\_Roles table.

## Defect Details

**Defect Id:** 191

**Project:** Gallery Server Pro

**Name:** Role name behavior inconsistent between SQLite and SQL Server

**Date Found:** 2/11/2009

**Build #:** 2.2.3286

**Severity:** Low Impact

**Date Fixed:** 2/11/2009

**Build # of Fix:** 2.2.3329

**Status:** Closed

**Estimated Work:** 2 hrs

**Assigned To:** Roger Martin

**Priority:** Low

**Actual Work:** 2 hrs

**Reported By:** Roger Martin

**Percent Complete:** 100

### Description

The SQLite role provider allows case sensitivity to differentiate role names, allowing - for example - two roles named SysAdmin and sysadmin. The SQL Server role provider does allow role names to differ only by case. Update SQLite to match SQL Server behavior.

### Resolution

Updated the SQLite role provider to match SQL Server behavior. Now a ProviderException is thrown if a user attempts to create a role with a name that differs only by case with another role. In order to preserve performance, it was necessary to add a column LoweredRoleName to the aspnet\_Roles table. A unique index was created on this column and the original index on the RoleName column was removed. This column contains the role name converted to all lowercase. All SQL statements were updated to compare the role name to this column, as that is much faster than using "WHERE lower(RoleName) = \$RoleName" in a SQL statement.

**Defect Id:** 192

**Project:** Gallery Server Pro

**Name:** Transparent portions of watermark images not transparent when applied to image

**Date Found:** 2/13/2009

**Build #:** 2.2.3286

**Severity:** Low Impact

**Date Fixed:** 2/13/2009

**Build # of Fix:** 2.2.3331

**Status:** Closed

**Estimated Work:** 30 min

**Assigned To:** Roger Martin

**Priority:** Low

**Actual Work:** 30 min

**Reported By:** Roger Martin

**Percent Complete:** 100

### Description

When an image with transparent sections is used as the watermark image, those transparent sections are changed to white when applied to the recipient image.

### Resolution

Modified GalleryServerPro.Business.Watermark.GetWatermarkImageAttributes so that ColorAdjustType.Default is used instead of ColorAdjustType.Bitmap. Added the following line:

```
_imageAttributes.SetColorKey(  
Color.Transparent,Color.Transparent);
```

Verified the change works for transparent sections in png and gif files.

## Defect Details

**Defect Id:** 193

**Project:** Gallery Server Pro

**Name:** Refactor hard coded English text to resource files

**Date Found:** 2/18/2009

**Build #:** 2.2.3286

**Severity:** Low Impact

**Date Fixed:** 5/14/2009

**Build # of Fix:** 2.3.3420

**Status:** Closed

**Estimated Work:** 2 hrs

**Assigned To:** Roger Martin

**Priority:** Low

**Actual Work:** 2 hrs

**Reported By:** Roger Martin

**Percent Complete:** 100

### Description

Several English phrases are hard coded in the app. Need to extract to resource files.

### Resolution

Extracted the following phrases to the resource file:

- \* Search label on manage users, manage roles, and media object types pages
- \* Column labels on manage users, manage roles, and media object types page
- \* The "allow any file type" check box label on media object types page
- \* The "Send test email" text on the email configuration page in the Site admin area.
- \* The edit album info dialog box shows a sample date like this: (e.g. 5/27/2010). The "e.g." is hard coded.

**Defect Id:** 194

**Project:** Gallery Server Pro

**Name:** Improve compatibility with IE8

**Date Found:** 3/19/2009

**Build #:** 2.2.3286

**Severity:** Low Impact

**Date Fixed:** 3/19/2009

**Build # of Fix:** 2.2.3369

**Status:** Closed

**Estimated Work:** 1 hrs

**Assigned To:** Roger Martin

**Priority:** Medium

**Actual Work:** 1 hrs

**Reported By:** Roger Martin

**Percent Complete:** 100

### Description

The following issues occur with Internet Explorer 8, in the default Standards Mode.

1. The toolbar is left aligned next to the previous arrow instead of being centered between the next/previous buttons.
2. Several popup dialogs appear in the top left corner of the screen instead of the middle.
3. The break line in the Actions menu is about 15 px high instead of 1px.

### Resolution

#### Issue 1

The code in the ComponentArt Toolbar class makes a special case for IE 5.5 and higher where it attaches the style "display:inline-block" to the container div of the rendered HTML output. This was presumably done for compatibility reasons, although I did not notice any change in behavior in IE 6 or IE 7 when it was removed.

The fix was to explicitly add Style="display:block" to the Toolbar definition. The code senses that the style is being

## Defect Details

specified and does not render the inline-block value.

Since this change overrides the compatibility fix for IE 5.5, 6 & 7, we may later discover undesirable behavior. If that happens, an alternative solution is to modify the source code so that the original behavior is preserved for them, but IE 8 is left alone. This can be accomplished by adding a property to the Utils class (in the ComponentArt source code) and creating a new property named `IsBrowserWinIE5point5To7` that returns true for IE 5.5, 6 & 7. Then, in the Toolbar class, instead of using the `IsBrowserWinIE5point5plus` property, use the new property.

### Issue 2

The dialog does not correctly center itself when `AnimationType="Live"`. Changing this to `AnimationType="Outline"` solved the issue.

### Issue 3

Use CSS to hide the image in the break. The following was inserted into `ca_styles.css`, just after the `gsp_mnu0MenuBreak` definition:

```
.gsp_mnu0MenuBreak  
img {display:none; }
```

**Defect Id:** 195

**Project:** Gallery Server Pro

**Name:** Cannot manage a user or role when its name contains HTML

**Date Found:** 4/2/2009

**Build #:** 2.2.2289

**Severity:** Low Impact

**Date Fixed:** 4/2/2009

**Build # of Fix:** 2.2.3379

**Status:** Closed

**Estimated Work:** 2 hrs

**Assigned To:** Roger Martin

**Priority:** Low

**Actual Work:** 2 hrs

**Reported By:** Roger Martin

**Percent Complete:** 100

### Description

When a user or role name contains HTML, it causes rendering issues on the manage users and manage roles page that results in broken functionality.

### Resolution

This is related to bug # 97: Apostrophe or quotation mark in user name or role causes edit user/edit role dialog failure.

Changed the GridColumn definition to set the AllowHtmlContent property to true. This causes the Grid control to encode the less than symbol (<) to the characters `#%cLt#%`. This allowed the HTML to be properly shown in the browser but caused new problems with the Edit and Delete hyperlinks. The fix was to slightly modify the edit column client template, edit two javascript functions on each page, and create a new javascript function `getUserNameNoEncode` (`getRoleNameNoEncode` for roles). Here they are (the actual functions for roles are identical except the variable name is `roleName` instead of `userName`):

```
function makeValidForId(userName)  
{  
  // Remove quotes, apostrophes, and <. Remove encoded < symbol (%cLt%) caused by CA.  
  return userName.replace(/"/g, "").replace(/'/g, "").replace(/</g, "").replace(/%cLt%/g, "");  
}  
  
function getUserName(dataItem)  
{
```

## Defect Details

```
var userName = dataItem.getMember('UserName').get_value();
// Escape quotes and apostrophes. Replace encoded < symbol (#%cLt#%) caused by CA with <
return encodeURI(userName.replace(/"/g, "\\").replace(/'/g, "\\'").replace(/#%cLt#%/g, '<'));
}}

function getUserNameNoEncode(dataItem)
{{
var userName = dataItem.getMember('UserName').get_value();
// Escape quotes and apostrophes
return userName.replace(/"/g, "\\").replace(/'/g, "\\'");
}}
```

**Defect Id:** 196

**Project:** Gallery Server Pro

**Name:** Configuration data may be incorrect after editing in Site Admin area

**Date Found:** 4/20/2009

**Build #:** 2.2.3286

**Severity:** Medium Impact

**Date Fixed:** 4/20/2009

**Build # of Fix:** 2.2.3397

**Status:** Closed

**Estimated Work:** 2 hrs

**Assigned To:** Roger Martin

**Priority:** Medium

**Actual Work:** 32 hrs

**Reported By:** Roger Martin

**Percent Complete:** 100

### Description

In certain situations, updating a configuration setting in the Site Admin area is not recognized by the application until the application is restarted. Specifically, this occurs when saving a change to a page immediate after making an initial edit. In other words, saving two changes back to back will expose this bug.

### Replication Procedures

1. The user logs in as an administrator and navigates to one of the pages in the Site Admin area.
2. The user makes a change and clicks Save. For example, the user changes the gallery title.
3. When the page refreshes, the user makes another change and saves again.

The application is now in an inconsistent state. Those parts of GSP that access the configuration value via the read-only API (i.e. WebConfigurationManager.GetSection) are given the user's first edit (the one made in step 2 above). But the value returned from the writeable version of the API (WebConfigurationManager.OpenWebConfiguration("~").GetSection) return the correct value.

For example, in the example above we mention editing the gallery title. After following these repro steps, you will notice the gallery title continues to display the text entered in step 2, but the textbox on the Site Admin - General page shows the text entered in step 3.

### Resolution

Configuration data is retrieved from galleryserverpro.config using two techniques:

1. (read-only) WebConfigurationManager.GetSection
2. (writeable) WebConfigurationManager.OpenWebConfiguration("~").GetSection

Both methods are Microsoft-supplied API's and cannot be modified. When the repro steps are followed, the first technique returns the incorrect data; the second consistently returns correct data. If the user makes another edit in the Site Admin area that updates galleryserverpro.config, the application will restart and both techniques will contain the correct value. However, if the user then immediately makes another edit (that is, two subsequent

## Defect Details

postbacks), the data will once again be inconsistent.

I submitted a bug report to MS at this

URL:<https://connect.microsoft.com/VisualStudio/feedback/ViewFeedback.aspx?FeedbackID=433828>

As a workaround, I modified the Site Admin pages so that, when a double postback scenario is detected, some javascript is included in the page output that initiates an AJAX callback to a server method that recycles the application pool.

**Defect Id:** 197

**Project:** Gallery Server Pro

**Name:** Incorrect roles may be associated with user

**Date Found:** 4/25/2009

**Build #:** 2.2.3286

**Severity:** Medium Impact

**Date Fixed:** 4/28/2009

**Build # of Fix:** 2.2.3405

**Status:** Closed

**Estimated Work:** 2 hrs

**Assigned To:** Roger Martin

**Priority:** High

**Actual Work:** 2 hrs

**Reported By:** Roger Martin

**Percent Complete:** 100

### Description

The roles a user belongs to are cached during the lifetime of the user's session. When a user logs off using a logout hyperlink in GSP, these roles are removed from cache so that a new set of roles are retrieved during the next logon. However, when a developer integrates GSP into an existing application, there may be logout controls that cause a logoff that do not invoke the special cache-removing code. In this situation, if another user logs in on the same computer and within the session lifetime, that user will be associated with the cached roles from the previous user.

This is a security problem that is an issue when all of the following are true:

1. GSP is integrated into an existing ASP.NET application where there is Logout functionality that executes outside the scope of the GSP code (for example, a Logout button on a master page.)
2. A user using a web browser logs in to the application and then logs off. A second user then logs on using the same computer and within the session lifetime of the first user (by default 60 minutes).
3. In this scenario, the second user assumes the roles of the first user.

### Resolution

Rather than identifying the roles in cache only by session ID, the code was modified so that they are identified by a concatenation of session ID and user name. Thus, if the user name changes, the cached copy of the roles will not be used. Instead, GSP will query the database for the correct roles associated with the new user.

This fix included changes to:

`UserController.RemoveRolesFromCache()`

`RoleController.GetRolesForUser()`

## Defect Details

**Defect Id:** 198

**Project:** Gallery Server Pro

**Name:** Installation difficulty when applicationName is not "Gallery Server Pro" or password format is not

**Date Found:** 4/30/2009

**Build #:** 2.2.3286

**Severity:** Medium Impact

**Date Fixed:** 5/12/2009

**Build # of Fix:** 2.3.3419

**Status:** Closed

**Estimated Work:** 4 hrs

**Assigned To:** Roger Martin

**Priority:** Medium

**Actual Work:** 4 hrs

**Reported By:** Roger Martin

**Percent Complete:** 100

### Description

When a developer runs the Install Wizard in an ASP.NET application with an existing membership system in a SQL Server database, the wizard may create unnecessary users and roles. This may happen when the applicationName attribute of the membership provider in web.config is set to something other than "Gallery Server Pro".

Also, the Install Wizard always stores the new user's password in clear text, even if the membership provider is configured for a different type.

### Resolution

During the installation using the SQL Server provider, the Install Wizard executes the stored procedure `gs_InitializeGalleryServerPro` to carry out several tasks:

1. Verify a minimum number of records in certain key tables.
2. Verifies a user and sys admin role exists.
3. Creates a sample album and media object.

If the script creates a user and role, as it usually does during installation, it makes two assumptions:

1. The applicationName of the membership and role provider is "Gallery Server Pro".
2. The passwordFormat of the membership provider is set to Clear.

These assumptions may not be valid.

The fix was to stop trying to configure the user and role using SQL with the stored procedure `gs_InitializeGalleryServerPro`. Instead, I moved the SQL Server configuration to the same model I was already using with SQLite: The Install Wizard writes a small text file to the `App_Data` directory. Each time the application restarts, startup code at `GalleryServerPro.Web.Controller.UserController.ProcessInstallerFile()` checks for the existence of this file. When present, it uses the membership and role API to create the user and role. The API automatically takes into account the various configuration settings present in web.config.

The reason we can't use the API during the installation wizard is because the configuration changes to web.config do not take effect until the next page load.

As a result of this change, we no longer need the stored procedure `gs_InitializeGalleryServerPro`, so it was deleted from the SQL scripts.

## Defect Details

**Defect Id:** 199

**Project:** Gallery Server Pro

**Name:** Cannot set email or user comment to empty string

**Date Found:** 5/1/2009

**Build #:** 2.2.3286

**Severity:** Medium Impact

**Date Fixed:** 5/1/2009

**Build # of Fix:** 2.3.3408

**Status:** Closed

**Estimated Work:** 10 min

**Assigned To:** Roger Martin

**Priority:** Medium

**Actual Work:** 10 min

**Reported By:** Roger Martin

**Percent Complete:** 100

### Description

On the Manage Users page, an administrator can edit the user's email address and a comment. When the administrator sets the text to an empty string, the change is not persisted to the data store.

### Resolution

In the Save User function, I changed the following:

```
user.Email = String.IsNullOrEmpty(txtEmail.Text) ? user.Email : txtEmail.Text;  
user.Comment = String.IsNullOrEmpty(txtComment.Text) ? user.Comment : txtComment.Text;
```

to this:

```
user.Email = txtEmail.Text;  
user.Comment = txtComment.Text;
```

**Defect Id:** 200

**Project:** Gallery Server Pro

**Name:** Calendar control does not work when user's system uses a non-Gregorian calendar

**Date Found:** 5/6/2009

**Build #:** 2.2.3286

**Severity:** Low Impact

**Date Fixed:** 5/6/2009

**Build # of Fix:** 2.3.3413

**Status:** Closed

**Estimated Work:** 1 hrs

**Assigned To:** Roger Martin

**Priority:** Low

**Actual Work:** 3 hrs

**Reported By:** Roger Martin

**Percent Complete:** 100

### Description

On web pages where a ComponentArt Calendar control may be rendered, the page does not render correctly when the user's system uses a calendar other than Gregorian (for example, Saudi Arabia culture - ar-SA). The page renders the header and album summary, but not the media object thumbnails. The following javascript error occurs: "Sys.ArgumentException: Object of type 'Sys.\_Application' cannot be converted to type 'Sys.\_Application'. Parameter name: instance"

And in the error log I see the following exception:

System.ArgumentOutOfRangeException: Specified time is not supported in this calendar. It should be between 04/30/1900 00:00:00 (Gregorian date) and 05/13/2029 23:59:59 (Gregorian date), inclusive.

Parameter name: time

stack trace:

```
at System.Globalization.UmAlQuraCalendar.CheckTicksRange(Int64 ticks)  
at System.Globalization.UmAlQuraCalendar.GetDatePart(DateTime time, Int32 part)  
at System.DateTimeFormat.FormatCustomized(DateTime dateTime, String format, DateTimeFormatInfo dtfi, TimeSpan offset)
```

## Defect Details

at System.DateTimeFormat.Format(DateTime dateTime, String format, DateTimeFormatInfo dtfi, TimeSpan offset)  
at ComponentArt.Web.UI.Utils.DateToString(DateTime dateTime, String dateTimeFormatString)  
at ComponentArt.Web.UI.Calendar.ComponentArtRender(HtmlTextWriter output)  
at ComponentArt.Web.UI.WebControl.Render(HtmlTextWriter output)  
at ASP.gs\_controls\_albumedittemplate\_ascx.\_\_Render\_\_control1(HtmlTextWriter \_\_w, Control parameterContainer) in c:\Development\TIS\TIS.GSP\Website\gs\controls\albumedittemplate.ascx:line 182  
at System.Web.UI.Control.RenderChildrenInternal(HtmlTextWriter writer, ICollection children)  
at System.Web.UI.Control.RenderChildrenInternal(HtmlTextWriter writer, ICollection children)  
at System.Web.UI.Control.RenderChildrenInternal(HtmlTextWriter writer, ICollection children)  
at System.Web.UI.WebControls.WebControl.RenderContents(HtmlTextWriter writer)  
at System.Web.UI.WebControls.WebControl.Render(HtmlTextWriter writer)  
at ComponentArt.Web.UI.Dialog.RenderContents(HtmlTextWriter output)  
at ComponentArt.Web.UI.Dialog.ComponentArtRender(HtmlTextWriter output)  
at ComponentArt.Web.UI.WebControl.Render(HtmlTextWriter output)  
at System.Web.UI.Control.RenderChildrenInternal(HtmlTextWriter writer, ICollection children)  
at System.Web.UI.Control.RenderChildrenInternal(HtmlTextWriter writer, ICollection children)  
at System.Web.UI.Control.RenderChildrenInternal(HtmlTextWriter writer, ICollection children)  
at GalleryServerPro.Web.Pages.GalleryPage.Render(HtmlTextWriter writer) in  
C:\Development\TIS\TIS.GSP\Website\CodeFiles\GalleryPage.cs:line 160  
at System.Web.UI.Control.RenderChildrenInternal(HtmlTextWriter writer, ICollection children)  
at System.Web.UI.Control.RenderChildrenInternal(HtmlTextWriter writer, ICollection children)  
at System.Web.UI.HtmlControls.HtmlForm.RenderChildren(HtmlTextWriter writer)  
at System.Web.UI.HtmlControls.HtmlForm.Render(HtmlTextWriter output)  
at System.Web.UI.HtmlControls.HtmlForm.RenderControl(HtmlTextWriter writer)  
at System.Web.UI.Control.RenderChildrenInternal(HtmlTextWriter writer, ICollection children)  
at System.Web.UI.Page.Render(HtmlTextWriter writer)  
at System.Web.UI.Page.ProcessRequestMain(Boolean includeStagesBeforeAsyncPoint, Boolean includeStagesAfterAsyncPoint)

This exception does not propagate to the browser, so it must be getting caught somewhere.

### Resolution

I posted a question on the ComponentArt forums (<http://www.componentart.com/forums/ShowPost.aspx?PostID=49799#49801>).

In the end, I created a workaround that I execute from the Page\_Load event of the albumedittemplate.ascx control:

```
private static void DetectAndFixNonGregorianCalendar()  
{  
    // The Calendar control does not work when used in a culture having a non-Gregorian calendar. Detect  
    // this situation and force the current thread to use the Gregorian calendar.  
    if (Thread.CurrentThread.CurrentCulture.Calendar.GetType() != typeof(GregorianCalendar))  
    {  
        CultureInfo ci = new CultureInfo(Thread.CurrentThread.CurrentCulture.LCID);  
        ci.DateTimeFormat.Calendar = new GregorianCalendar();  
        Thread.CurrentThread.CurrentCulture = ci;  
        Thread.CurrentThread.CurrentUICulture = ci;  
    }  
}
```

The workaround detects users with a calendar system other than Gregorian, and replaces it with the Gregorian calendar for the duration of the page's life cycle. This causes the CA Calendar control to render correctly, but may result in a less-than-optimal user experience for people in this culture.

## Defect Details

**Defect Id:** 201

**Project:** Gallery Server Pro

**Name:** SqlDateTime overflow when importing SQLite users into SQL Server

**Date Found:** 5/8/2009

**Build #:** 2.2.3286

**Severity:** Low Impact

**Date Fixed:** 5/8/2009

**Build # of Fix:** 2.3.3415

**Status:** Closed

**Estimated Work:** 1 hrs

**Assigned To:** Roger Martin

**Priority:** Low

**Actual Work:** 1 hrs

**Reported By:** Roger Martin

**Percent Complete:** 100

### Description

When a user logs in after previously entering an incorrect password, the SQLite membership provider resets the FailedPasswordAttemptWindowStart and FailedPasswordAnswerAttemptWindowStart columns in the table aspnet\_Users to DateTime.MinValue. If this record is later imported into SQL Server through the Backup/Restore function, the following error occurs:

**SqlDateTime overflow. Must be between 1/1/1753 12:00:00 AM and 12/31/9999 11:59:59 PM.**

### Resolution

The fix was to replace instances of DateTime.MinValue with the smallest date that SQL Server can accept: 1753-01-01. This technique was already being used for setting the initial values of several date fields. The changes occurred in the function GalleryServerPro.Data.SQLite.SQLiteMembershipProvider.UpdateFailureCount.