

Defect Details

Defect Id: 123

Project: Gallery Server Pro

Name: Hard coded English text in web pages

Date Found: 8/31/2008

Build #: 2.1.3162

Severity: Low Impact

Date Fixed: 9/1/2008

Build # of Fix: 2.1.3195

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 English text is hard coded into the web pages and were never extracted into resource files:

1. "Album" on task/synchronize.aspx page

Resolution

Replaced text with resource string.

Defect Id: 124

Project: Gallery Server Pro

Name: Width and height properties not updated when small images are rotated

Date Found: 9/4/2008

Build #: 2.1.3162

Severity: Medium Impact

Date Fixed: 9/4/2008

Build # of Fix: 2.1.3169

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 images that do not have a separate optimized image is rotated, the width and height properties in the database are not updated. Specifically, the fields OptimizedWidth, OptimizedHeight, and OptimizedSizeKB in the table `gs_MediaObject` are not updated.

Resolution

The method `GalleryServerPro.Business.ImageOptimizedCreator.GenerateAndSaveFile` was modified so that the Width, Height, and FileSizeKB properties are updated when the image is being rotated and there isn't a separate optimized image. Specifically, the new logic now looks like this:

```
bool rotateIsRequested = (this._imageObject.Rotation != RotateFlipType.RotateNoneFlipNone);
```

```
if(rotateIsRequested || ((this._imageObject.IsNew) && (String.IsNullOrEmpty(this._imageObject.Optimized.FileName))))
```

```
{
```

```
// One of the following is true:
```

```
// 1. The original is being rotated and there isn't a separate optimized image.
```

```
// 2. This is a new object that doesn't need a separate optimized image.
```

```
// In either case, set the optimized properties equal to the original properties.
```

```
this._imageObject.Optimized.FileName
```

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```
=this._imageObject.Original.FileName;  
this._imageObject.Optimized.Width =this._imageObject.Original.Width;  
this._imageObject.Optimized.Height =this._imageObject.Original.Height;  
this._imageObject.Optimized.FileSizeKB =this._imageObject.Original.FileSizeKB;
```

Defect Id: 126

Project: Gallery Server Pro

Name: SQLite provider does not delete related data

Date Found: 9/8/2008

Build #: 2.1.3162

Severity: No Impact

Date Fixed: 9/8/2008

Build # of Fix: 2.1.3173

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 method `DeleteUser(string username, bool deleteAllRelatedData)` in the class `SQLiteMembershipProvider` does not deleted data related to the specified user when the `deleteAllRelatedData` parameter is true. It should delete associated records in the profile table and the user/role relationship table.

This bug has no impact on Gallery Server Pro because this method is not currently used. However, it may be used in future versions.

Resolution

Added code to the method `DeleteUser(string username, bool deleteAllRelatedData)` in the class `SQLiteMembershipProvider` so that when the `deleteAllRelatedData` is true, associated records in the profile table and the user/role relationship table are deleted.

Defect Id: 127

Project: Gallery Server Pro

Name: Incorrect SQL in SQLiteProfileProvider

Date Found: 9/8/2008

Build #: 2.1.3162

Severity: No Impact

Date Fixed: 9/8/2008

Build # of Fix: 2.1.3173

Status: Closed

Estimated Work: 1 hrs

Assigned To: Roger Martin

Priority: Low

Actual Work: 1 hrs

Reported By: Roger Martin

Percent Complete: 100

Description

There are four methods that build SQL that includes the `LEN()` function. However, this function does not exist in SQLite. The affected functions are:

`GetAllProfiles`

`GetAllInactiveProfiles`

`FindProfilesByUserName`

`FindInactiveProfilesByUserName`

Resolution

Replaced the `LEN()` function with the `length()` function.

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Defect Id: 128

Project: Gallery Server Pro

Name: Records associated with anonymous browsers are not removed

Date Found: 9/8/2008

Build #: 2.1.3162

Severity: Low Impact

Date Fixed: 9/8/2008

Build # of Fix: 2.1.3173

Status: Closed

Estimated Work: 1 hrs

Assigned To: Roger Martin

Priority: Low

Actual Work: 1 hrs

Reported By: Roger Martin

Percent Complete: 100

Description

Each time the Gallery Server Pro application starts, the following code runs:

```
System.Web.Profile.ProfileManager.DeleteInactiveProfiles(System.Web.Profile.ProfileAuthenticationOption.Anonymous,
DateTime.Today);
```

This works to delete records from the profile table for inactive anonymous users, but this leaves records in the users table.

Resolution

Modified the function WebsiteController.DeleteAnonymousProfiles() so that instead of calling DeleteInactiveProfiles(), we iterate through a list of inactive profiles and then delete each of those users, making sure to set the deleteAllRelatedData parameter to true. This deletes the user's info from the tables aspnet_Users, aspnet_UsersInRoles, and aspnet_Profile.

```
foreach (System.Web.Profile.ProfileInfo profile in System.Web.Profile.ProfileManager.GetAllInactiveProfiles
(System.Web.Profile.ProfileAuthenticationOption.Anonymous, DateTime.Today))
{
    Membership.DeleteUser(profile.UserName, true);
}
```

Defect Id: 129

Project: Gallery Server Pro

Name: SQLite DataReader closes connection during transaction

Date Found: 9/16/2008

Build #: 2.1.3162

Severity: No Impact

Date Fixed: 9/16/2008

Build # of Fix: 2.1.3181

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 SQLite provider closes the connection of an in-progress transaction in a few places:

SQLiteProfileProvider.

GetProfilesForQuery()

SQLiteRoleProvider.FindUsersInRole()

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```
SQLiteMembershipProvider.GetAllUsers()  
SQLiteMembershipProvider.FindUsersByName()  
SQLiteMembershipProvider.FindUsersByEmail()
```

This bug does not appear to affect Gallery Server Pro version 2.1.3162 but it should be fixed anyway.

Resolution

All five locations where this bug exists were using the CloseConnection enum to automatically close the DataReader when it finished, like this:

```
using (SQLiteDataReader dr = cmd.ExecuteReader(CommandBehavior.CloseConnection))
```

The line was changed to this:

```
using (SQLiteDataReader dr = cmd.ExecuteReader())
```

All locations already had code to close the connection when a transaction was not being used.

Defect Id: 133

Project: Gallery Server Pro

Name: Remove <machineKey ...> element from web.config

Date Found: 10/1/2008

Build #: 2.1.3162

Severity: Low Impact

Date Fixed: 9/16/2008

Build # of Fix: 2.1.3196

Status: Closed

Estimated Work: 10 min

Assigned To: Roger Martin

Priority: Medium

Actual Work: 10 min

Reported By: Roger Martin

Percent Complete: 100

Description

The <machineKey ...> element in web.config is necessary if passwords are encrypted. However, passwords are not encrypted by default, so it is better to leave out the element. The user should deliberately add the element back to enable password encryption. The main reason for this is to force the user to generate new keys that are unique to his or her installation.

Example of <machineKey ...> element:

```
<machineKey
```

```
validationKey="B6AF9388159183B6A8EE690C851398A11997C519F859599459E30121EF4DF8BF2B1666BC82  
BB6FEB2FEF279BEB325E897AED6EA5B71C55D213B76510EF96CAA8"  
decryptionKey="3C5EF273A20ED2473594C9691627700A79376A7C1455320A"  
validation="SHA1" />
```

Resolution

Removed <machineKey ...> element from web.config

Defect Id: 119

Project: Gallery Server Pro

Name: Error occurs when creating an album with an empty name

Date Found: 8/24/2008

Build #: 2.0.2898

Severity: Low Impact

Date Fixed: 9/30/2008

Build # of Fix: 2.1.3195

Status: Closed

Estimated Work: 1 hrs

Assigned To: Roger Martin

Priority: Low

Actual Work: 1 hrs

Reported By: Roger Martin

Percent Complete: 100

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Description

If the user attempts to create an album with an empty album name, an error occurs in GalleryServerPro.Business.HelperFunctions.ValidateDirectoryName (ArgumentException: One or both arguments contain an empty string.)

There is a validator that correctly pops up when the user does not enter an album name, but the page postback is not cancelled, and so the server code continues to try to create the album.

This problem occurs in Firefox but not in IE.

Resolution

The reason this occurs is because ASP.NET does not send client validation script to Firefox browsers. Instead it relies on server side validation. When this happens it is necessary to check Page.IsValid before executing the request.

Therefore, the function OnBubbleEvent in ~/task/createalbum.aspx.cs was modified so that the album is created only when the page is valid:

```
protected override bool OnBubbleEvent(object source, EventArgs args)
{
    //An event from the control has bubbled up. If it's the Ok button, then run the
    //code to save the data to the database; otherwise ignore.
    Button btn = source as Button;
    if ((btn != null) && (((btn.ID == "btnOkTop") || (btn.ID == "btnOkBottom"))))
    {
        if (Page.IsValid)
        {
            int newAlbumID = btnOkClicked();

            redirectToNewAlbumPage(newAlbumID); // Redirect to the page for the newly created album.
        }
    }

    return true;
}
```

Defect Id: 131

Project: Gallery Server Pro

Name: Silverlight media not playing when %2b is in URL query string

Date Found: 9/30/2008

Build #: 2.1.3162

Severity: Medium Impact

Date Fixed: 9/30/2008

Build # of Fix: 2.1.3195

Status: Closed

Estimated Work: 2 hrs

Assigned To: Roger Martin

Priority: High

Actual Work: 4 hrs

Reported By: Roger Martin

Percent Complete: 100

Description

The fix for defect # 118 was to URL encode the encrypted query string parameter and then decode it in the ASHX handler. However, Silverlight decodes the query string before requesting the handler. This causes the string to be decoded twice, resulting in the '%2b' sequence to be decoded to '+' and then to a single space ' ' when it is decoded

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the second time.

When this occurs, the decryption algorithm fails with the message "Invalid length for a Base-64 char array".

Resolution

I looked at the Silverlight media player sourcer to see where the URL decoding is occurring but couldn't find it. Ultimately the fix was to replace any empty strings in the decoded URL with the '+' character, like this:

```
queryString = HelperFunctions.Decrypt(HttpUtility.UrlDecode(queryString).Replace(" ", "+"));
```

This is in the ExtractQueryStringParms method of the getmediaobject.ashx handler.

There is the potential for having to check for these additional characters: " : < > # and &, but I don't think these will ever be part of the encrypted query string, so I won't check for them at this time.

Defect Id: 132

Project: Gallery Server Pro

Name: Calendar popup appears behind edit album dialog

Date Found: 9/30/2008

Build #: 2.1.3162

Severity: Medium Impact

Date Fixed: 9/30/2008

Build # of Fix: 2.1.3195

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 calendar control appears behind the edit album dialog, making it impossible to select a date.

Resolution

It looks like ComponentArt changed the behavior of their Dialog control in their most recent version. They increased the CSS z-index they apply to the point where it covers up the Calendar control.

The fix is to explicitly set the z-index of the Dialog control back to where it was in the previous version. The following line was added to the AddEditAlbumInfoDialog method in ~/gsweb/uc/albumheader.ascx.cs:

```
dgEditAlbum.ZIndex = 900;
```

Defect Id: 125

Project: Gallery Server Pro

Name: User is allowed to add an empty external object

Date Found: 9/5/2008

Build #: 2.1.3162

Severity: Low Impact

Date Fixed: 10/1/2008

Build # of Fix: 2.1.3196

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 user is allowed to add an external media object without specifying any text in the HTML fragment / embed code textbox.

The correct behavior is to abort adding an external media object when the textbox is empty.

Resolution

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Added a RequiredFieldValidator and ValidatorCalloutExtender to ~/task/addobjects.aspx.

Defect Id: 134

Project: Gallery Server Pro

Name: SQL Server password accidentally set to encrypted

Date Found: 10/1/2008

Build #: 2.1.3162

Severity: Medium Impact

Date Fixed: 10/1/2008

Build # of Fix: 2.1.3196

Status: Closed

Estimated Work: 10 min

Assigned To: Roger Martin

Priority: Medium

Actual Work: 10 min

Reported By: Roger Martin

Percent Complete: 100

Description

The SQL Server membership provider in web.config has passwordFormat set to "Encrypted". It should be set to "Clear".

Resolution

Changed passwordFormat to "Clear".

Defect Id: 135

Project: Gallery Server Pro

Name: Invalid password attempt count too low

Date Found: 10/1/2008

Build #: 2.1.3162

Severity: Low Impact

Date Fixed: 10/1/2008

Build # of Fix: 2.1.3196

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 SQLite membership provider in web.config specifies maxInvalidPasswordAttempts="2", which causes the user account to become locked after too unsuccessful logons. This is a mistake; it was set to 50 in previous versions and is also set to 50 in the SQL Server provider.

Resolution

Set maxInvalidPasswordAttempts="50".

Defect Id: 136

Project: Gallery Server Pro

Name: Null reference exception when session and profile are null

Date Found: 10/1/2008

Build #: 2.1.3162

Severity: Low Impact

Date Fixed: 10/1/2008

Build # of Fix: 2.1.3196

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 couple users have reported a NullReferenceException when GSP access the session and profile. The exceptions are happening in WebsiteController.GetAppRootAbsolutePath() and ShowMediaObjectMetadata() in ~/gsweb/uc/mediaobjectview.ascx.cs. It is unknown why this occurs, but it is possible to refactor the methods so that no error occurs if these objects are not present.

Here are call stacks reported by the users:

[NullReferenceException: Object reference not set to an instance of an object.]

Defect Details

The two methods were modified to check for null before accessing the Session and Profile objects.

Defect Id: 137

Project: Gallery Server Pro

Name: Media objects are added in reverse order

Date Found: 10/1/2008

Build #: 2.1.3162

Severity: Medium Impact

Date Fixed: 10/1/2008

Build # of Fix: 2.1.3196

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 ComponentArt Upload control allows the user to select multiple files for uploading. However, they are processed on the server in a bottom-up order, resulting in the top-most file (the one first selected by the user) to be the last one, and so on.

This only happens in Full Trust, as the standard ASP.NET FileUpload control is used at other trust levels, and it does not exhibit this behavior.

Resolution

The method AddUploadedFilesForFullTrust in ~/task/addobjects.aspx.cs was modified so that the files are copied to an array which is then reversed before processing, like this:

```
UploadedFileInfo[] fileInfos = new UploadedFileInfo[files.Count];
files.CopyTo(fileInfos, 0);
Array.Reverse(fileInfos);

foreach (UploadedFileInfo file in fileInfos)
{ ... process files ... }
```

Defect Id: 138

Project: Gallery Server Pro

Name: Silverlight media does not play with ASHX handler

Date Found: 9/16/2008

Build #: 2.1.3162

Severity: Medium Impact

Date Fixed: 10/1/2008

Build # of Fix: 2.1.3196

Status: Closed

Estimated Work: 8 hrs

Assigned To: Roger Martin

Priority: High

Actual Work: 8 hrs

Reported By: Roger Martin

Percent Complete: 100

Description

Audio and video files are not playing in Silverlight when the source is set to use the ASHX handler. This only occurs in internet situations; on my intranet the handler works fine.

Resolution

It appears there is no exception occurring in the handler. I believe this is a limitation in Silverlight. When Silverlight 2.0 goes RTM I will revisit this issue.

For now the workaround is to replace {MediaObjectUrl} for the four Silverlight templates in galleryserverpro.config with {MediaObjectAbsoluteUrlNoHandler}. Those users who store their media objects outside the web directory can use {MediaObjectRelativeUrlNoHandler}.