Interakt

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Tutorial

Create an Image Gallery

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Introduction

By following this tutorial you will use **MX Kollection 3** to build a basic *Image Gallery* web application. The final application will allow users to:

- View a list of all uploaded images.
- Upload new images.
- Delete images from the server.
- View and browse all images.
- View a random image each time the gallery is reloaded in the browser.
- View thumbnails of the latest images.
- Organize images into albums.
- Change the basic design of the image gallery using **C**ascading **S**tyle **S**heets.

This tutorial contains three main sections

1. Building the administrative section where you will manage all images.
2. Displaying images in the site front-end and creating the actual gallery.
3. Improving the basic application and grouping images into albums.

If you have the **MX Kollection 3** bundle installed, then you have all the needed tools. Otherwise, the following separate products should be installed on your computer in order to complete the *Image Gallery* tutorial:

- **MX File Upload**
- **MX Looper**
- **MX Includes**
- **MX Form Validation** (optional)
- **MX User Login** (optional)

The estimated completion time for this tutorial is about 40 - 60 minutes. It depends on your authoring knowledge with **Macromedia Dreamweaver** (MX or MX 2004) and **MX Kollection 3**.

It's recommended that you follow this tutorial in the intended order to avoid potential problems.

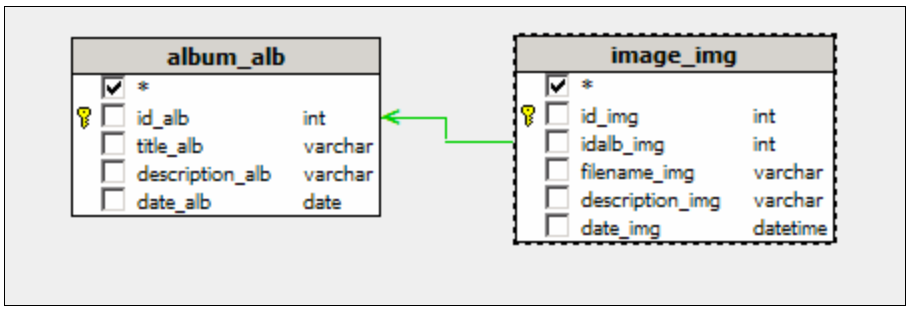
Plan the Image Gallery

Before you start building the image gallery, please make sure that:

1. You have a running database server and web server.
2. You have installed the following extensions for completing this tutorial:
   - **MX File Upload**
   - **MX Looper**
   - **MX Includes**
   - **MX Form Validation** (optional)
   - **MX User Login** (optional)
3. You have a correctly defined **Dreamweaver** site.
4. You need to set up the database provided with this tutorial and create a connection to it.

For more instructions about setting up your site, consult the *Getting Started* help file that comes with **MX Kollection 3**. It can be accessed in **Dreamweaver** from **Help -> InterAKT -> Getting Started**.

The image gallery will store information in a database having two tables with the following structure:



Note: The database diagram in the image above was built with **MX Query Builder** (also referred as **QuB**) to better illustrate the database structure. You do not need to build it in order to complete this tutorial.

Here are the database tables and their columns:

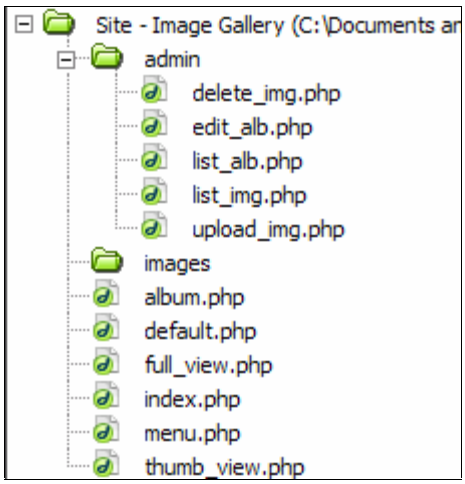
1. *album_alb* - stores all albums and some simple information about them.
   - ***id_alb*** - the primary key for the album table. No two albums can have the same ID.
   - ***title_alb*** - the album's title (Florida 2004).
   - ***description_alb*** - a text description of the album.
   - ***date_alb*** - the date associated with the album.
2. *image_img* - stores the filename of the image, a short description of each image, and the date when it was uploaded. It also points to the album the image belongs to through the foreign key ***idalb_img***.
   - ***id_img*** - the primary key for the image table. There will not be two images with the same ID.
   - ***idalb_img*** - the foreign key that connects to the associated album.

- ***filename_img*** - the image filename.
- ***description_img*** - a brief text description of the image.
- ***date_img*** - the date associated with the image.

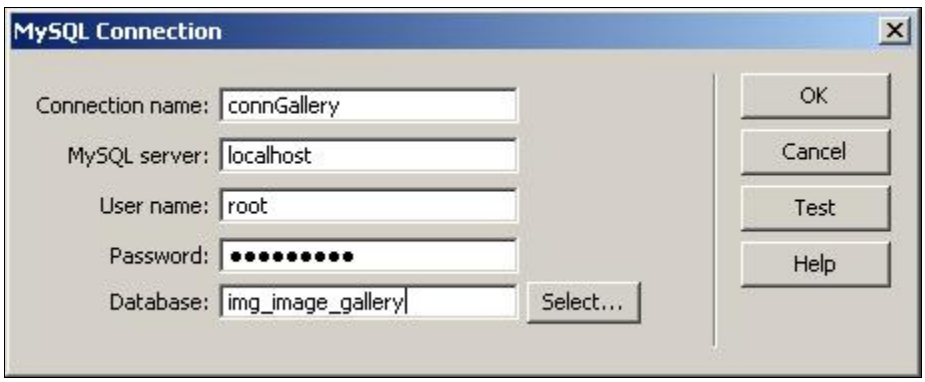
The actual images are not stored in the database, but uploaded to the server. They can later be retrieved by their filename, which is stored in the database.

To set up your application, follow these steps:

1. You can find the scripts needed to create an identical table structure inside the downloaded package, in the `\tutorials\Image Gallery\db\` folder, as an `sql` or `mdb` file, depending on the database server you intend to use. Execute the `sql` script in your database server management software (e.g. **PHPMyAdmin**, **Microsoft Access** etc.).
2. Open **Dreamweaver** and create the following folder and file structure for your site. You can create it easily by unpacking the `zip` file corresponding to your server model from `\tutorials\Image Gallery\` in your site root folder:



3. Open the `index` page and create a new connection named *connGallery* and configure it to connect to your newly created database.



Starting with the next part you will learn how to upload, list and delete images.

Manage Images

In this part of the tutorial, you will create the administrative section of your image gallery which allows you to upload images, list all the images on the server and delete images.

In order to process images on upload and display, you must have one of the supported image libraries installed on your server and properly configured. Please make sure you have defined a preferred image library in the InterAKT Control Panel.

If you have the **MX Kollection 3** bundle installed, then you have all the needed tools. Otherwise, the following separate products should be installed on your computer in order to complete this tutorial section:

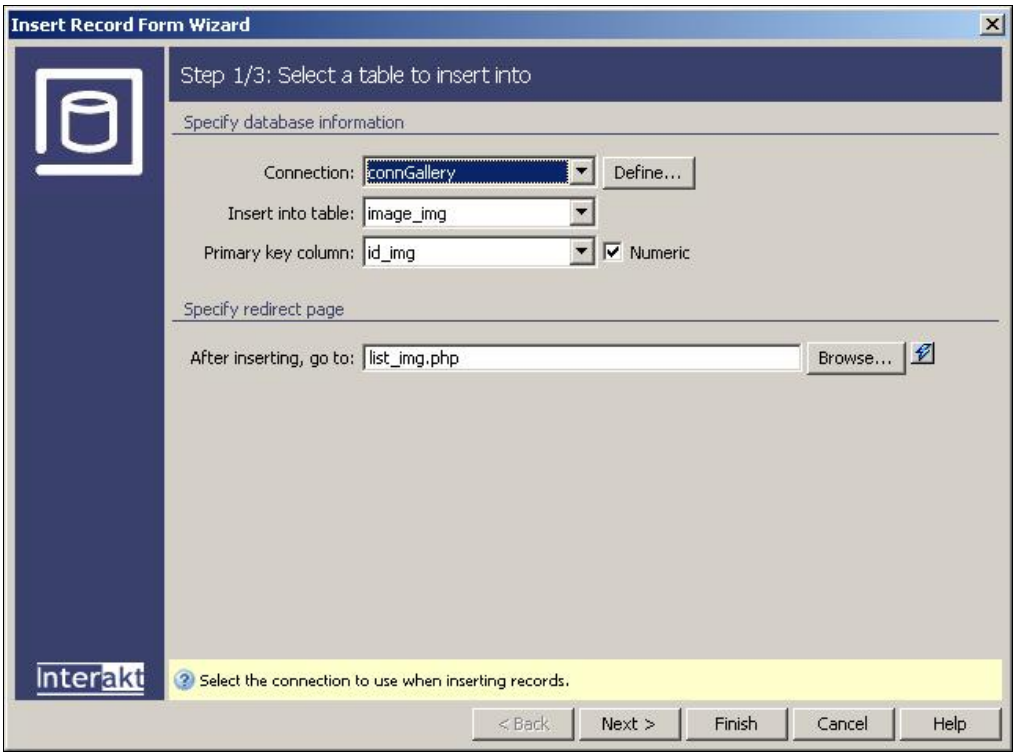
- **MX File Upload**

The estimated completion time for building the image management module is about 20 - 30 minutes. The exact time depends on your authoring knowledge with **Macromedia Dreamweaver** (MX or MX 2004) and **MX Kollection 3**.

Upload image

To create a form for uploading images, follow these steps:

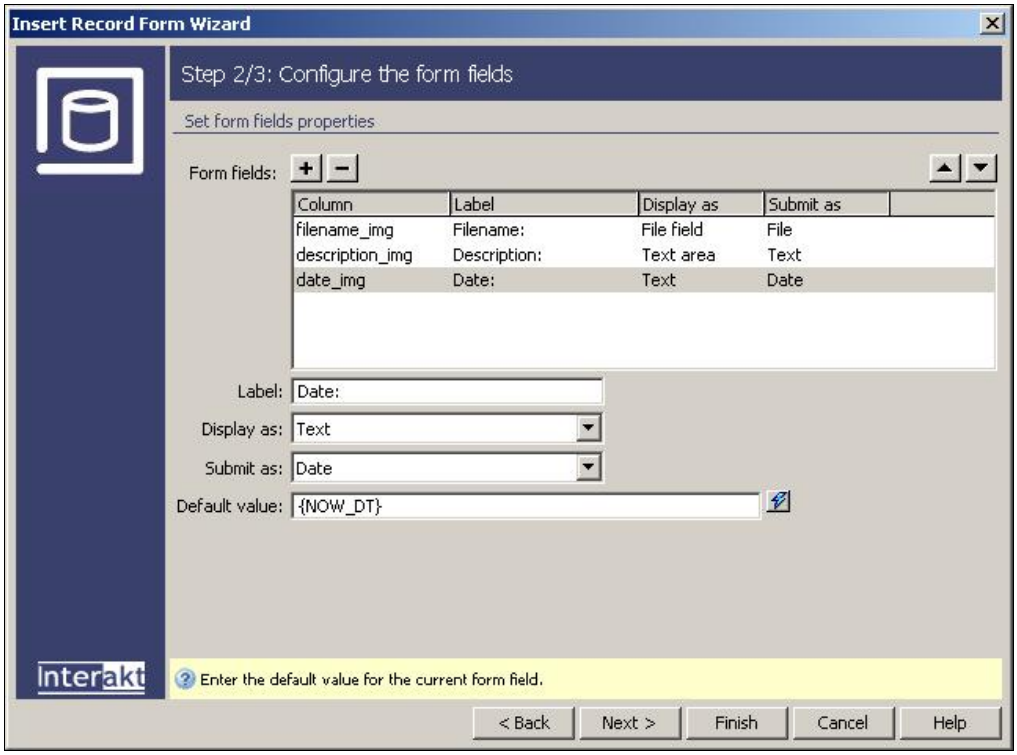
1. Open the *\admin\upload_img* page.
2. Use the **Insert Record Form Wizard** to create an insert form for uploading images. You can access the wizard from the **Insert** bar **-> MX Kollection -> Insert Record Form Wizard**. Configure the dialog box as indicated below.
3. In the first step of the wizard, specify the following:
   - the defined database ***Connection***;
   - In the ***Insert into table*** select the table that stores image data - **image_img**;
   - the ***Primary key column***;
   - the page to redirect to (*list_img*) after uploading an image.



4. Click **Next** to proceed to the second step, where you will configure the individual form fields:
   - Remove the foreign key field (***idalb_img***) as you will not need it for the moment.
   - Change the ***filename_img*** field to a file field from the ***Display as*** drop-down menu. Also change its ***Label*** to "File".
   - Change the ***description_img*** field to a text area from the corresponding ***Display as*** drop-down menu.
   - Change the ***date_img*** field to be displayed as text and set its default value to *{NOW_DT}*. This uses the InterAKT's mark-up language to set the field's value to the current date and time. This way, you won't have to set up a value for this field. The current date and time will be recorded in the database each time an image is uploaded.
   - After completing the wizard, you must remove the row which displays the date (using the text element instead of a hidden field is more safe).

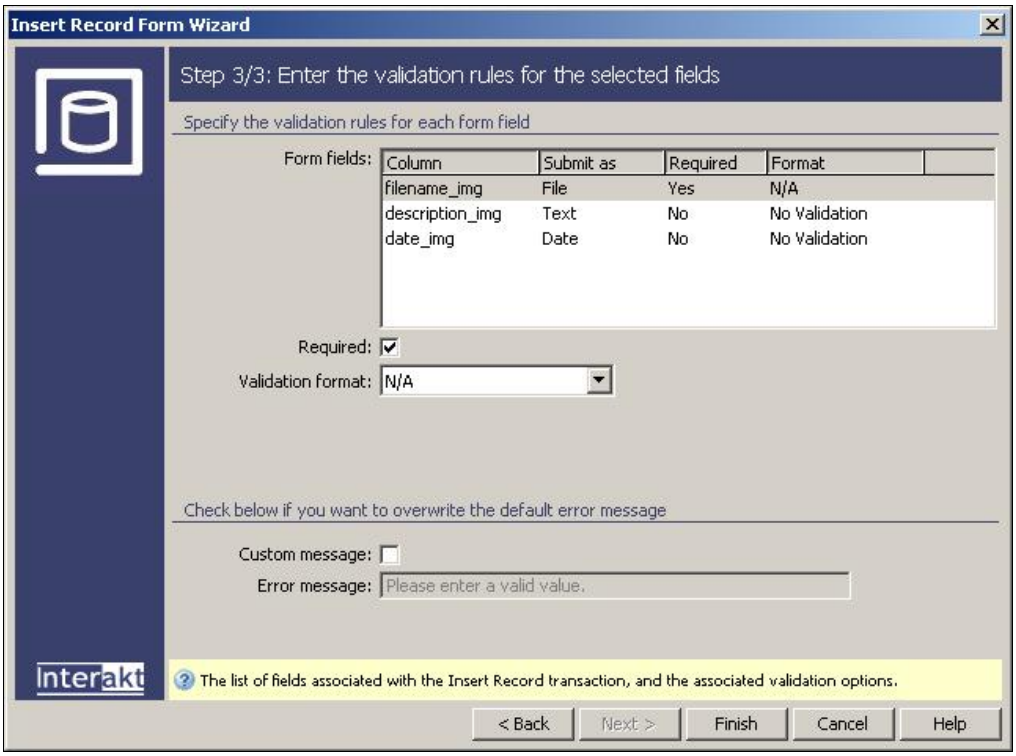
     Note: If you are using a **Microsoft Access** database, in the ***Submit as*** drop-down menu, another option will be available: ***Date MS Access***. Select this option when

submitting the date.

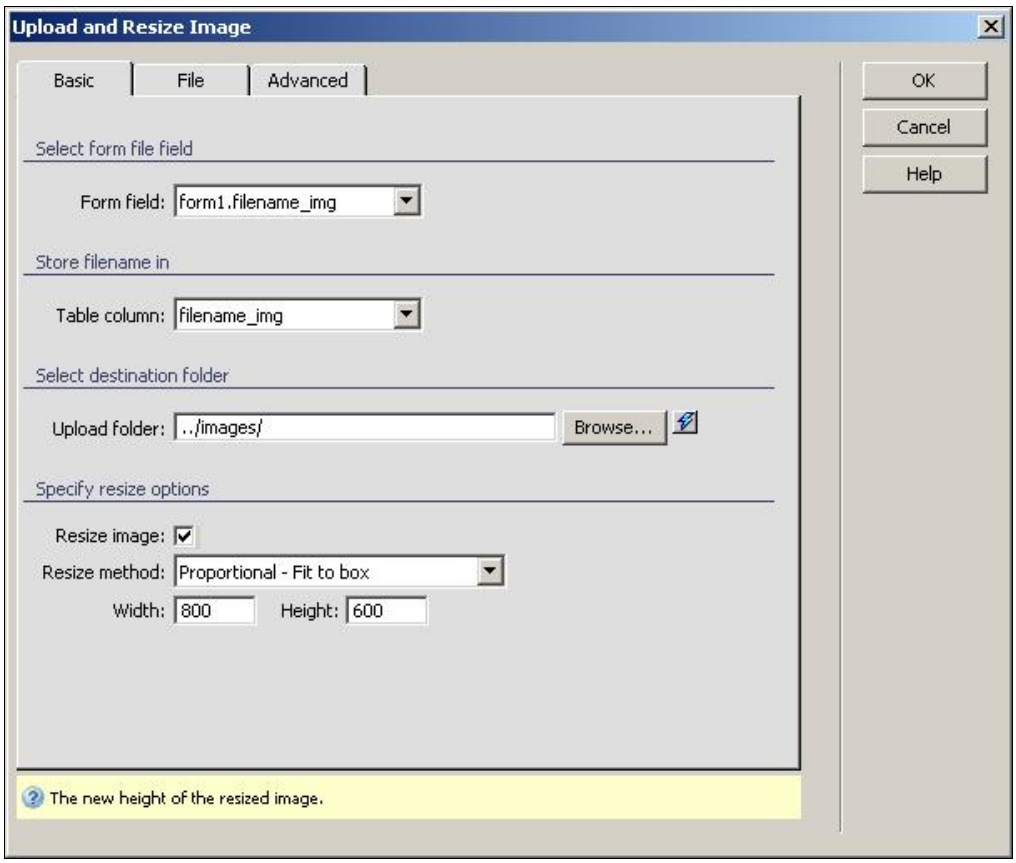


5. In the final step of the wizard, make the ***filename_img*** field required, then click **Finish**.

   Note: If you do not have **MX Form Validation** or the **MX Kollection 3** bundle installed, step 3 of the **Insert Record Form Wizard** will not be available.

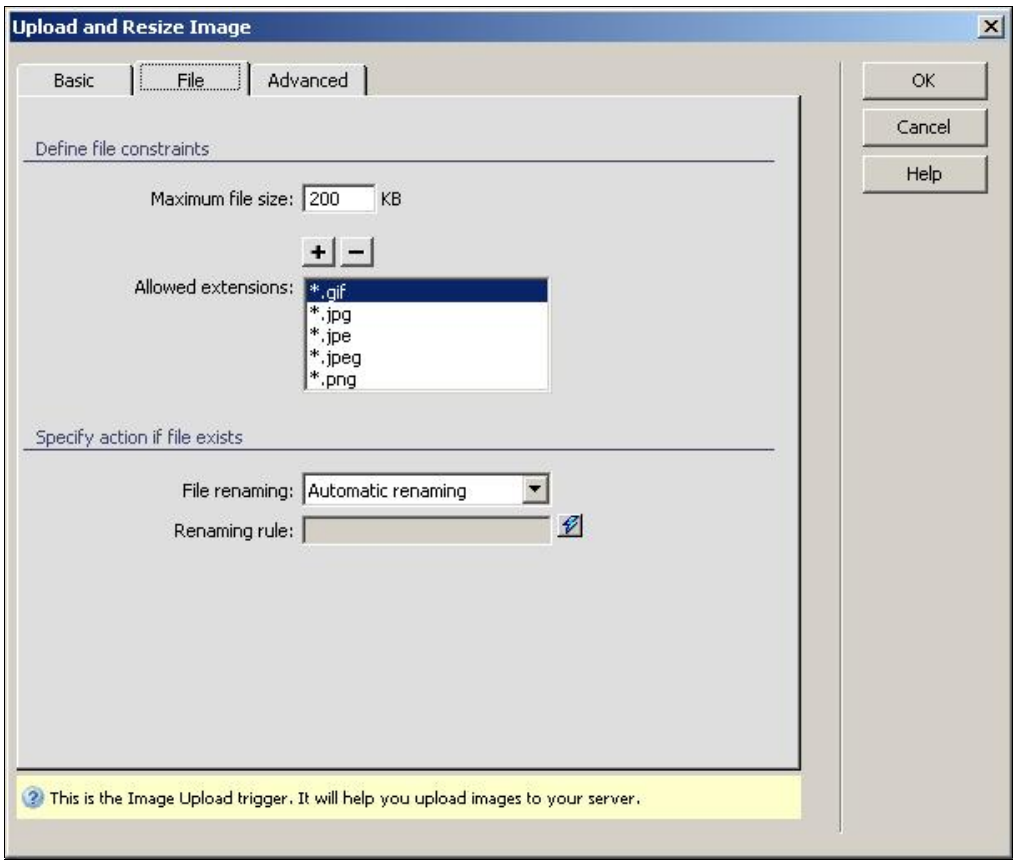


6. Remove the date text field from the form on page.
7. Apply the **Upload and Resize Image** server behavior to the generated form from the **Application** panel **-> Server Behaviors -> + -> MX Kollection -> File Upload -> Upload and Resize Image**.
8. Configure the **Basic** tab of the server behavior as follows:
   - Select the ***Form field*** used for uploading pictures: ***filename_img*** from form1.
   - Select the ***Table column*** that stores the name of the image: ***filename_img***.
   - Use the **Browse** button to select the folder where images will be uploaded: *images*.
   - Resize all images to fit within a 800 pixels by 600 pixels box.
   - Move on to configuring the next tab.



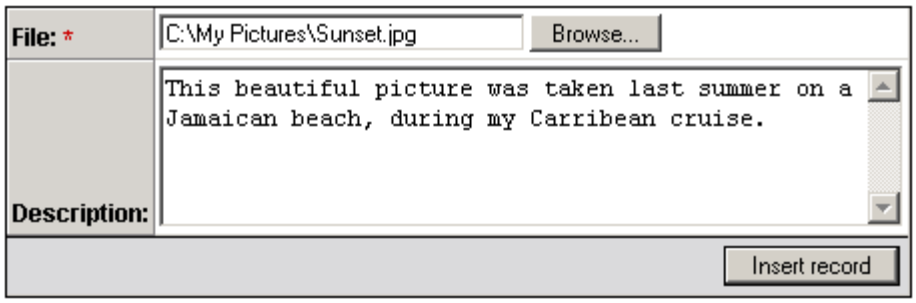
9. Configure the **File** tab of the server behavior as follows:
   - Set the ***Maximum file size*** to 200 KB. Users will not be able to upload images larger than that.
   - Specify the image extensions allowed for uploading. Use the **Plus** (**+**) button to add new extensions and the **Minus** (**-**) button to remove extensions. To add a file extension, just enter the extension name in the displayed pop-up window.

- Sometimes the uploaded file has the same name as another file on the server. For such cases, use the options in the ***File Renaming*** drop-down menu. Use the ***Automatic renaming*** option to give the current file a new name. For instance, if you attempt to upload a file called *landscape.jpg* and there is already another file with the same name on the server, the new file will be renamed *landscape_1.jpg*.

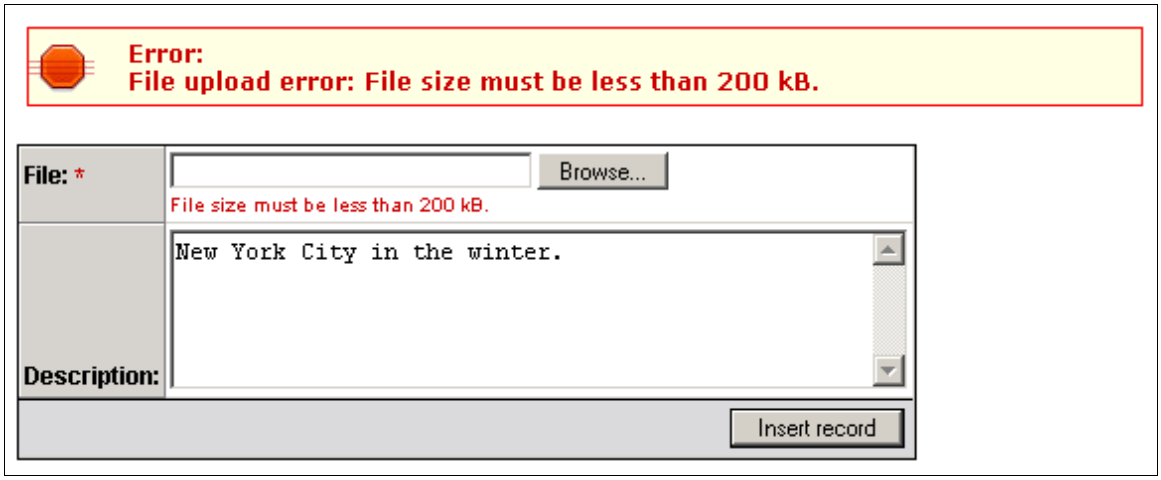


10. Click **OK** to confirm your settings.

Now you can preview the page in the browser, and see how it works:



If you try to upload an image larger than 200 KB, the following error is displayed.



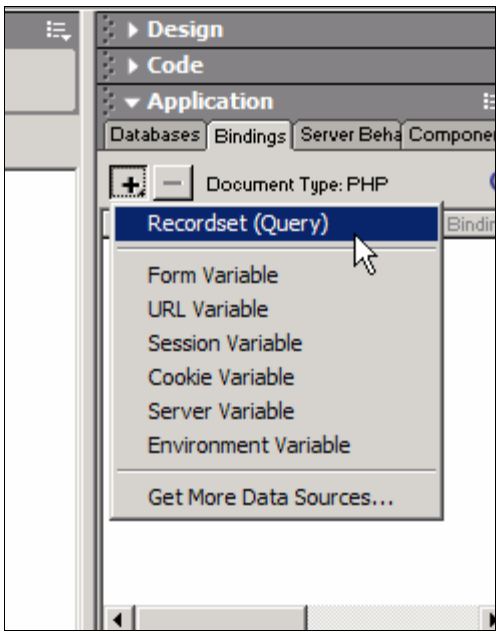
After the image upload is completed, you will be redirected to the page specified when you configured the first step of the Insert Record Form Wizard.

You have created the page for uploading images to your gallery. In the next part you will create a list of all your images.

List images and show thumbnails

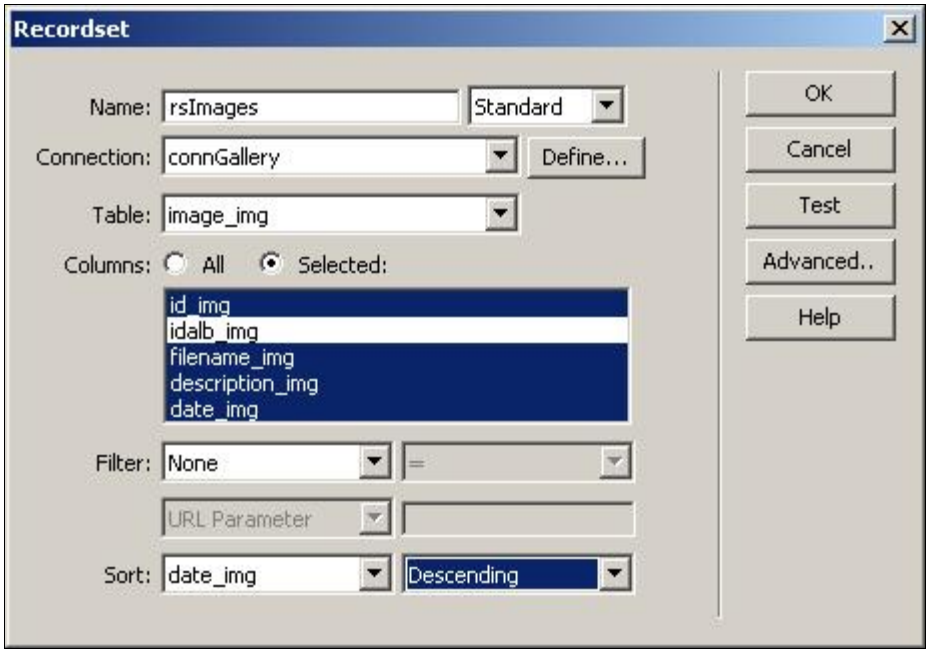
For a better management of your gallery, follow the next steps in order to create a list with all your images:

1. Open the *\admin\list_img* page.
2. Create a recordset that retrieves data from the *image_img* database table.
   - Click on the **Plus (+)** button of the **Bindings** tab. If the **Bindings** tab is not visible, open it from **Window -> Bindings**.
   - From the pop-up menu that appears, select **Recordset (**Query**)**. This will open the **Recordset** dialog window.



   - Name the recordset *rsImages*.
   - Select the database ***Connection*** (*connGallery*) and the ***Table*** that stores images (*image_img*).

- Sort the images by date in descending order to list the most recent images first.

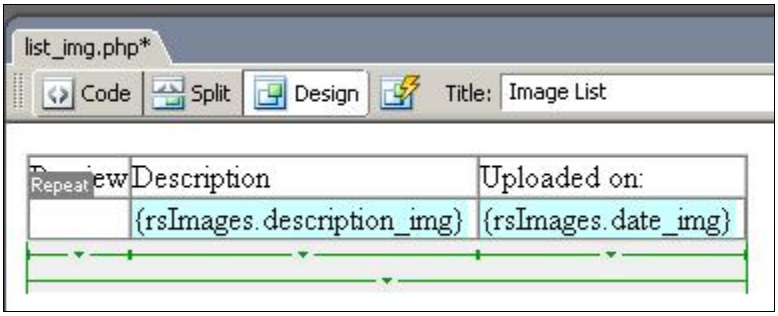


3. List all images using a dynamic table (**Insert** bar **-> Application -> Dynamic Table**):

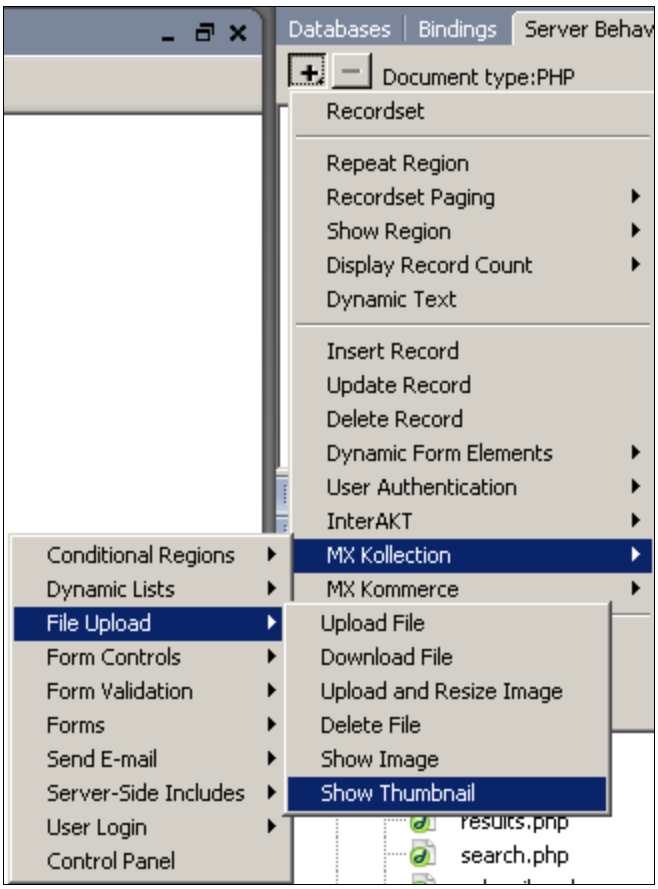
4. Configure the dynamic table as seen in the following image:

5. Trim the generated table as follows:
   - Dlete the first column containing the primary key.
   - Change the column headings to something more meaningful.
   - Remove the dynamic text labeled as ***rsImages.filename_img***. You will replace this later with an actual preview of the image (an image thumbnail).

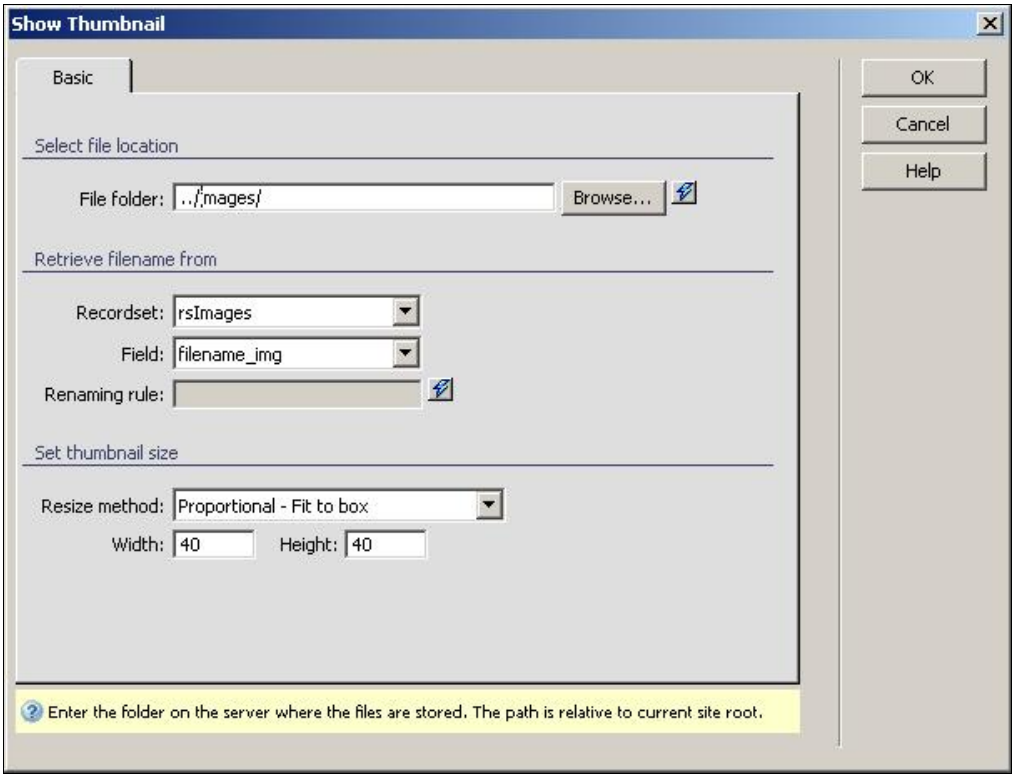
6. Your table should look like this by now:



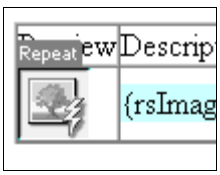
7. In the empty cell, below insert a thumbnail view of the image, by applying the **Show Thumbnail** server behavior (**Application** panel **-> Server Behaviors -> + -> MX Kollection -> File Upload -> Show Thumbnail**).



8. An interface like the one below is displayed.



9. The **Show Thumbnail** icon will look like in the following image in your **Dreamweaver Design View**:



10. Save your page and preview it in the browser:

Preview	Description	Uploaded on:
	My daughter, Laura, and our dog, Dino.	2005-04-01 16:38:32
	Dino playing in the garden.	2005-04-01 16:38:32
	Christmas morning in the Alps.	2005-04-01 16:38:32
	Breath-taking sunset in Malibu.	2005-04-01 16:38:32
	Urban Transportation Conference in London.	2005-04-01 16:38:32
	Environmental Protection Conference in Paris	2005-04-01 16:38:32

You have created the image list for managing your photos. Next, the possibility of deleting images will be implemented

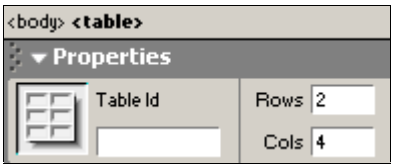
Delete image

Before proceeding with this section and deleting images from your gallery, one thing must be acknowledged: images are both stored on the server and recorded in the database. When removing a record, the images also need to be physically removed from the server. This can be done by using a Delete File server behavior.

Rather than automatically deleting the image, you will set up a safety net where users must confirm the deletion. You will also display a preview of the image before deleting it.

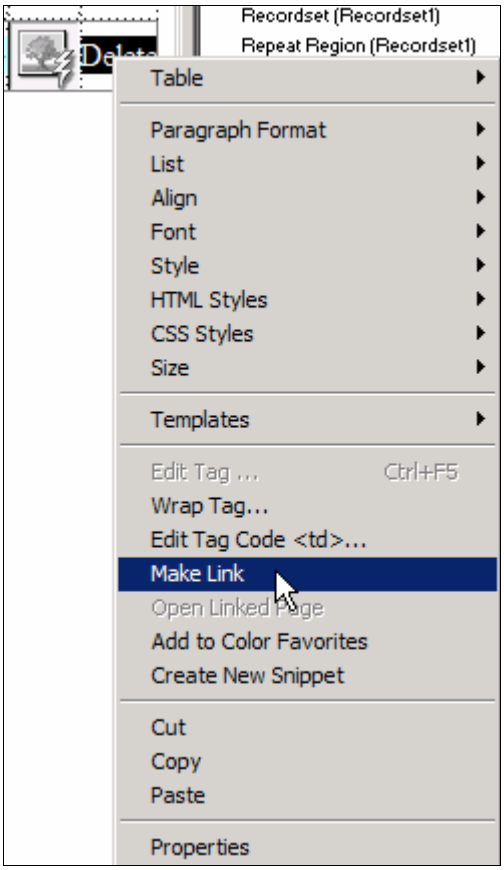
Follow the next steps to build the page that deletes photos:

1. Open the *\admin\list_img* file.
2. Add an extra column to the dynamic table by selecting the whole table and incrementing the ***Cols*** field in the ***Properties*** panel.



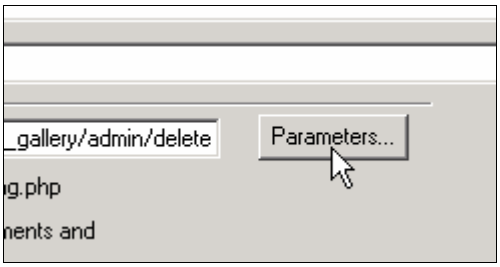
   This column will contain a link to the page for deleting photos (*delete_img*).

3. In the extra column, on the same row as the dynamic data write the word "**Delete**". Then, select the "**Delete**" text and right-click to reach the menu seen below. Select the ***Make Link*** option:

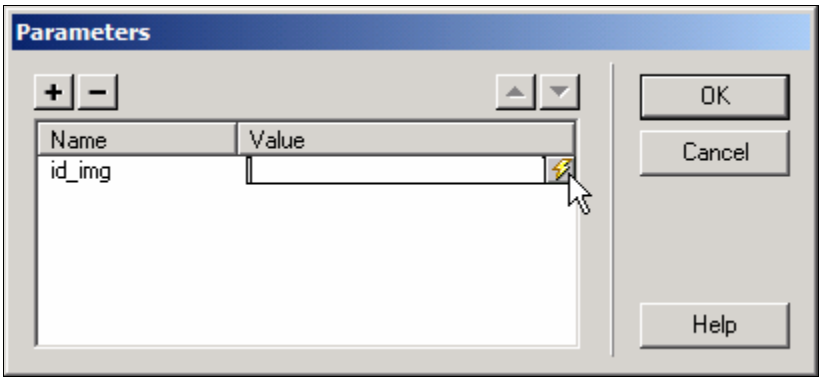


4. An interface will appear to help you create the link. Since the *delete* page will need to know which image to delete, you should add an URL parameter with the image ID (stored in the

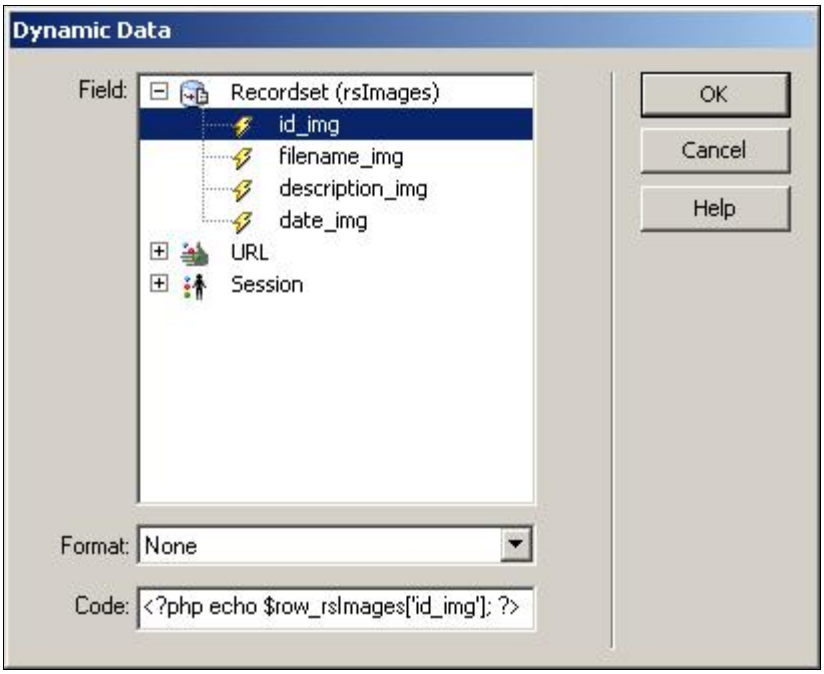
id_img primary key field). Click the **Parameters** button in the lower right side of the interface:



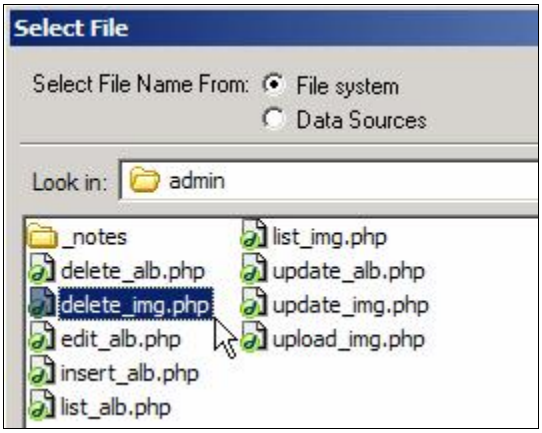
5. When the **Parameters** window opens, type **id_img** in the ***Name*** field. For the ***Value*** field, click in the empty space and select the dynamic lightning bolt on the right:



6. After clicking the lightning bolt, the Dynamic Data window appears. Here, just double-click on ***id_img*** and the ***Value*** field (from the previous window) will be populated.



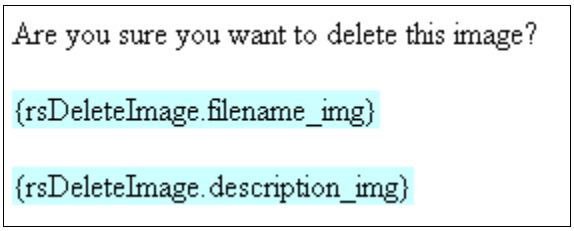
7. With the **Dynamic Data** window now closed, click **OK** in the **Parameters** window, and you'll be back in the ***Make Link*** Interface. All that's left is choosing the page to link to. Select the *`delete_img`* page from the *`admin`* folder.



The next set of steps take place in the *delete_img* page from the *admin* folder. The goal here is to create a confirmation page to prevent accidental deletions.

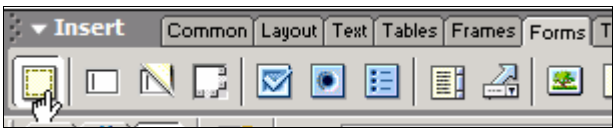
1. Open the *\admin\delete_img* page. Type the message "Are you sure you want to delete this image?".
2. You need to display the details of the image: a thumbnail preview, the filename, and the description from the database. In order to do so, create a recordset from the *image_img* database table, filtered by the **id_img** URL parameter.
3. As you remember from the previous part, a recordset can be created from the **Bindings** tab in the **Application** panel. Configure the recordset as shown below. The ***Filter*** field selects only the image to be deleted by comparing its ID value with the one received through the URL parameter from the *list_img* page.

4. Drag the ***filename_img*** and the ***description_img*** columns from the Bindings tab in your page, below the confirmation question:



5. Add a thumbnail preview of the image, below the filename dynamic text, so the user can see the image being deleted. Hit Enter after *{rsDeleteImage.filename_img}*, then go to Server Behaviors -> MX Kollection -> File Upload -> Show Thumbnail. Configure the server behavior just as you have done in List images and show thumbnails, except use larger dimensions for the thumbnail (100x100 pixels). Here is how the page should look in the browser, if you pass it a valid URL parameter (such as *page.php?id_img=2*):

6. Below the confirmation dialog, add a form by selecting **Insert** panel **-> Forms -> Form** (as shown below):



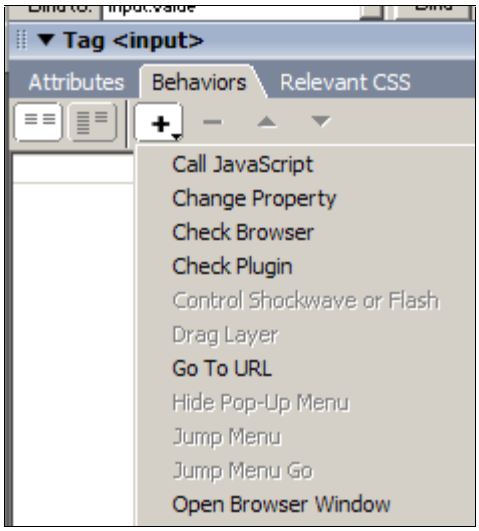
7. Next, add a button to the form, also from the **Forms** tab:

8. Select the button on the page, and go to the **Property Inspector**. Change the ***Button name*** to **confirm** and its ***Label*** to **Yes**.

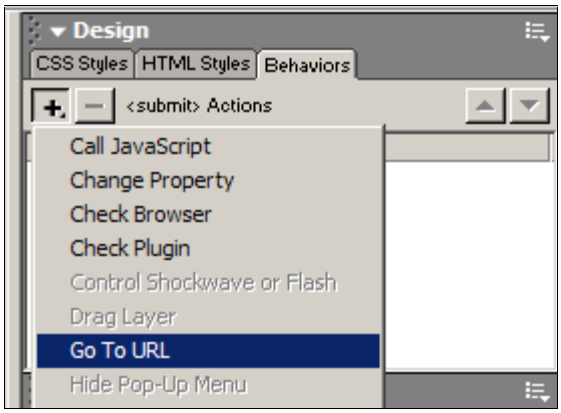
9. Repeat step 7 and create another button called **cancel**, and labeled **No** in the same form.

10. Now you should make the **No** button link back to the image list page (*list_img*). First select the **No** button. Depending on your **Dreamweaver** version, the ***Go To URL*** feature will be in one of two places:

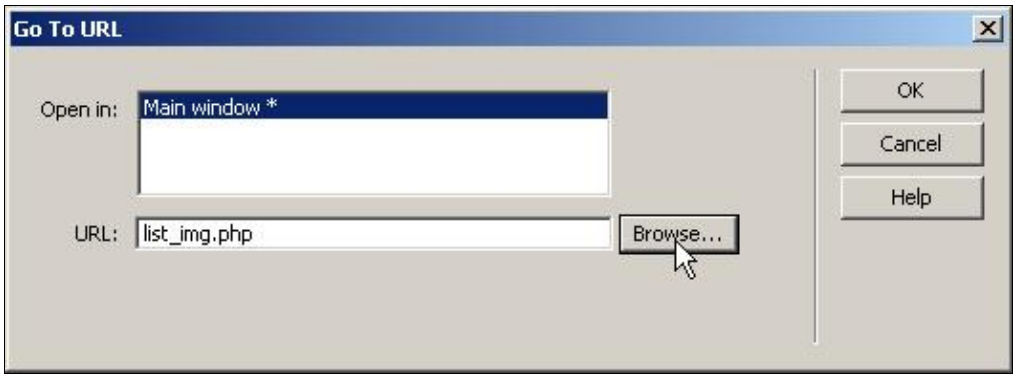
    - For **Dreamweaver MX 2004** users - open the **Tag Inspector** panel, the **Behaviors** tab, and select **Go To URL**.



- For **Dreamweaver MX 6.1** users - open the **Design** panel, the **Behaviors** tab, and select **Go To URL**.



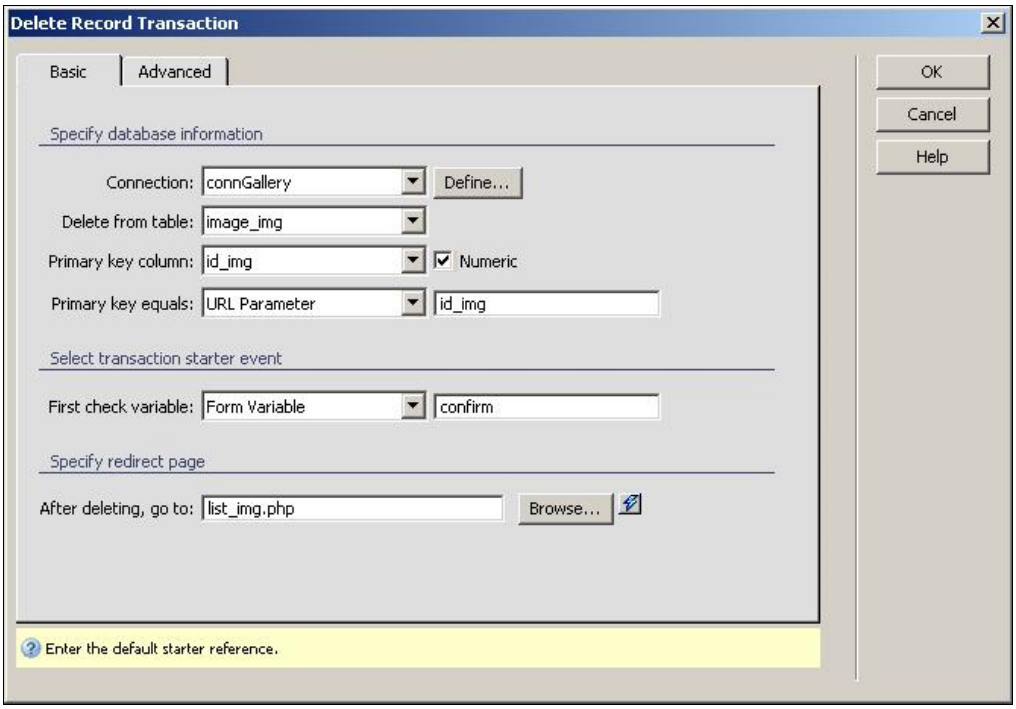
- In the interface that appears, select *list_img* as seen here:



11. Now you can use the **Delete Record** Transaction feature of **MX Kollection 3.** Go to the **Insert** bar **-> MX Kollection** tab, and click the **Delete Record Transaction** icon (shown below).

12. Configure the **Delete Record Transaction** window. Notice that most of the fields are already correctly filled in: ***Connection***, ***Delete from table***, ***Primary key column*** and ***Primary key equals***.

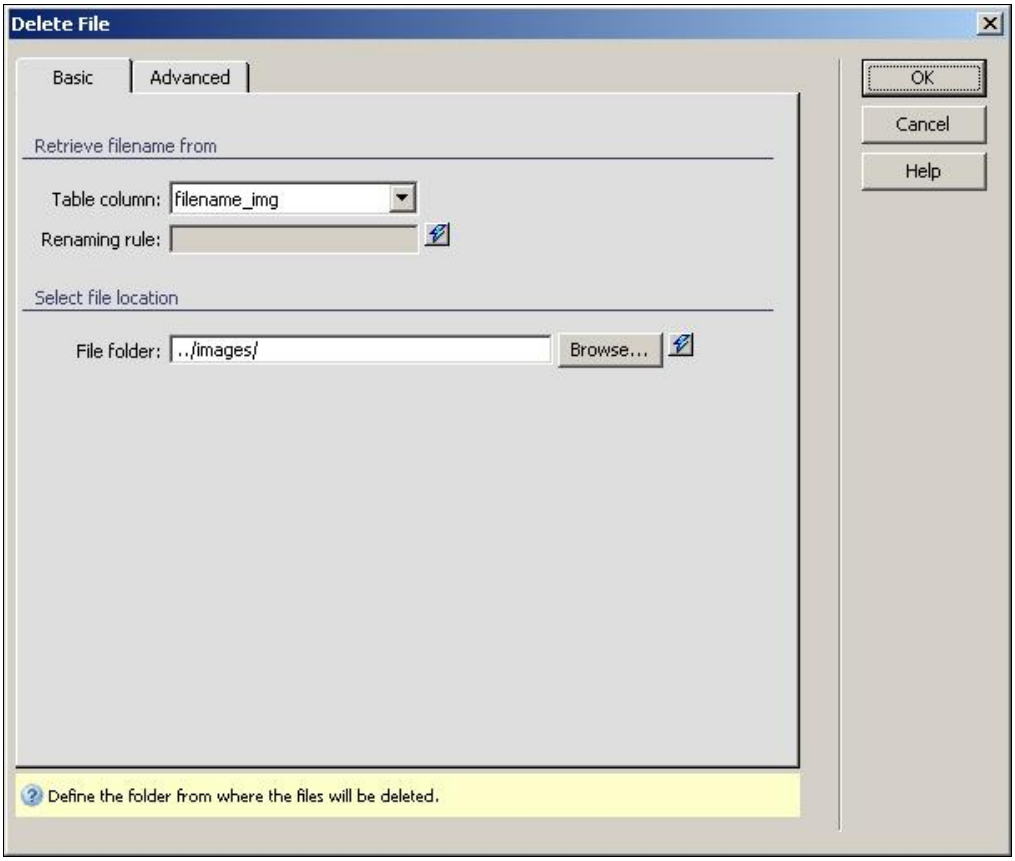
13. If left like this, the delete operation would occur immediately when the page loads, making the safety net completely useless. There is however one dialog box option to define a start condition: the ***First check variable*** field. To start the delete action only after pressing the **Yes** button, select in the ***First check variable*** drop-down menu the ***Form variable*** option. Type in the associated dialog box the name of the **Yes** button: **confirm.**



14. Since all other fields are already set up, click the **OK** button to add the server behavior to the page.

15. The **Delete Record Transaction** removed the image from the database. However, you also need to remove the actual file from the server. In order to do that, you need to apply the **Delete File** server behavior to your page (**Server Behaviors** panel **-> MX Kollection -> File Upload -> Delete File**).

16. Configure the **Delete File** server behavior as follows:



Notice that the field storing the image name (***filename_img***) and the folder are already selected in the ***Table column*** drop-down menu and ***File folder*** text field.

17. Click **OK** when done.

You can now test the *delete_img* page in your browser. The page should look something like this:

Note: If you delete an image from your gallery, the *delete_img* page will remove the corresponding record from the database, and will remove the actual file and all generated thumbnails from the server.

You have now completed the administrative section of your image gallery application. You can upload, view and delete images. Next, you will start learning how to display images in the site front-end.

Display Images

In this section you will use the **Show Image** server behavior and a **Horizontal Looper** to create a page for browsing through thumbnails and a page for showing each full-size image.

If you have the **MX Kollection 3** bundle installed, then you have all the needed tools. Otherwise, the following separate products should be installed on your computer in order to complete this tutorial section:

- **MX File Upload**
- **MX Looper**

The estimated completion time for this section is about 20 - 25 minutes. It depends on your authoring knowledge with **Macromedia Dreamweaver** (MX or MX 2004) and **MX Kollection 3**.

This section contains the following parts:

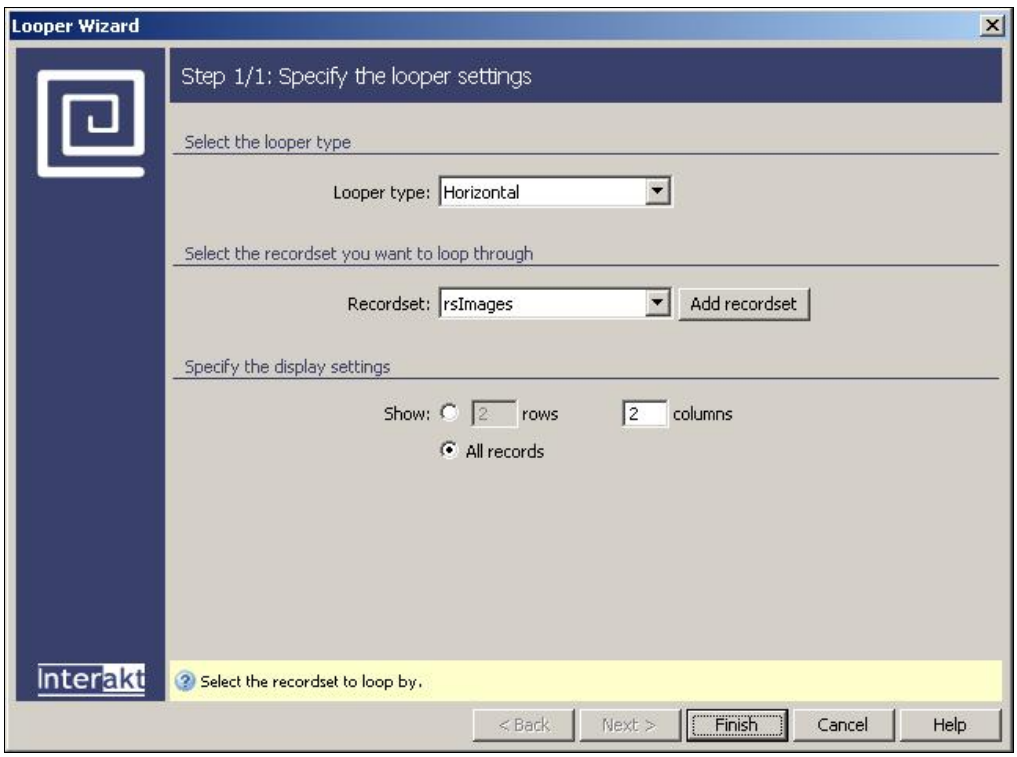
- Browse thumbnails: Horizontal Looper
- Display full-sized image

Browse thumbnails: Horizontal Looper

In order to create a page for browsing through thumbnails, follow the next steps:

1. Open the *thumb_view* page.
2. Create an unsorted recordset with all the records from the *images_img* table. The two previous tutorial parts (List images and show thumbnails and Delete Image) demonstrate how to create a recordset. You will use this recordset to extract the filename of the thumbnails, when applying the **Show Thumbnail** server behavior at the next step.
3. Apply a **Show Thumbnail** server behavior on this page as you did in Step 7 of the *List images and show thumbnails* page.
4. Now, we will create the image gallery by applying the **Looper Wizard** feature of **MX Looper**. This feature will loop through the images in the database and place thumbnails on the screen (**MX Looper** required).
   - Select the **Show Thumbnail** icon. Then go to **Insert** panel **-> MX Kollection -> Looper Wizard** (seen below):

   - The following interface will appear. Specify the table dimensions of your choice, then click **OK**.



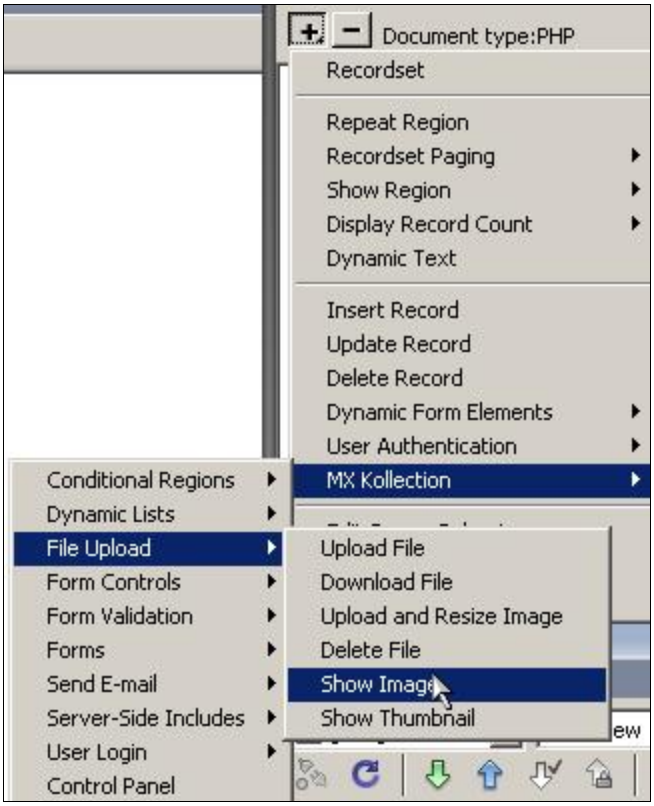
   - After inserting the looper, you should see the following icon on your **Dreamweaver** page:

5. Link the thumbnail image to a separate page where the full image will be shown:
   - First, select the **Show Thumbnail** icon in your **Dreamweaver** page and right click on it. In the menu that appears, select the ***Make Link*** option.
   - Follow the procedure described in the Delete image page. You will need to add an URL parameter with the ***id_img*** field and link to the *full_view* page.

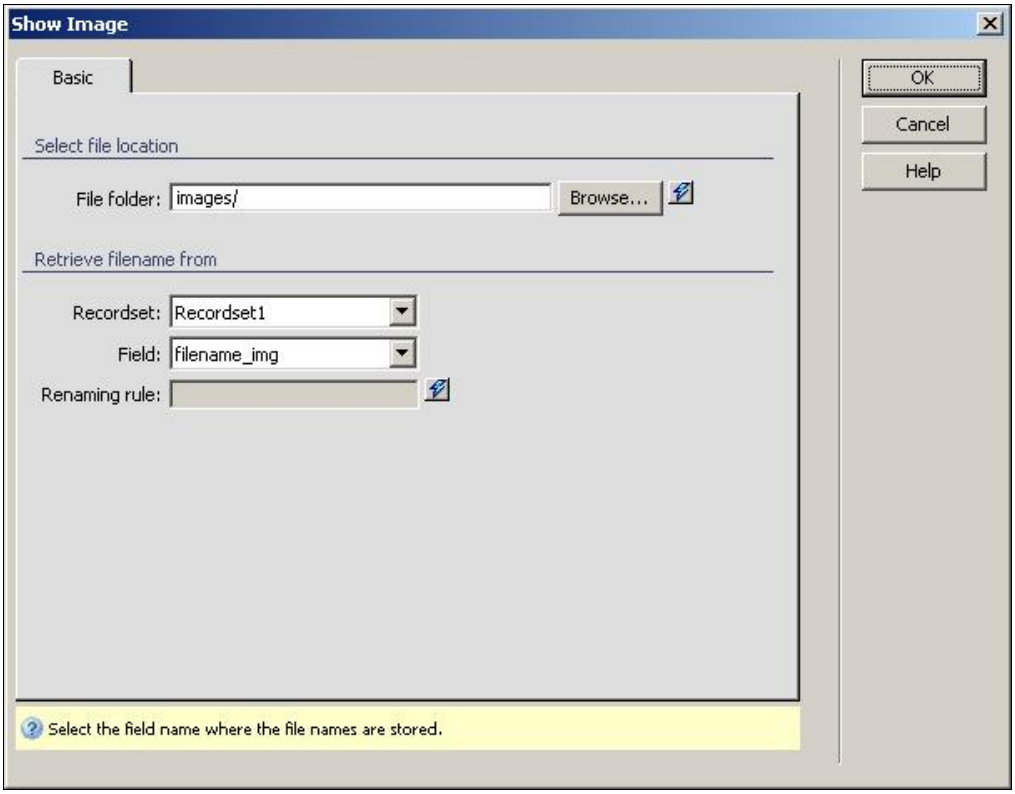
Display full-sized image

In order to create a page for page for showing each full-size image, follow the next steps:

1. Open the *full_view* page.
2. Create a filtered recordset containing the **id_img** URL parameter as described in the Delete image page.
3. Apply the **Show Image** server behavior to properly display the file. Access it by going to **Application** panel **-> Server Behaviors -> + -> MX Kollection -> File Upload**.



4. When the interface appears, the fields should already be filled in. Verify the folder, recordset, and recordset column (the one with the image in it) and click **OK**.



5. All that is left to do is adding the image description. Just drag the corresponding recordset field and drop it under the dynamic image (as described in the Delete image page).

Improve the Image Gallery

In this section, you will create some advanced features for your image gallery. You will learn how to: display a random image on the home page, show the latest uploaded images, create multiple albums, renew the design of the image gallery, apply **C**ascading **S**tyle **S**heets to your gallery.

If you have the **MX Kollection 3** bundle installed, then you have all the needed tools. Otherwise, the following separate products should be installed on your computer in order to complete this tutorial section:

- **ImpAKT**
- **MX File Upload**
- **MX Looper**
- **MX Includes**

The estimated completion time for the gallery improvements is about 40 - 60 minutes, depending on your authoring knowledge with **Macromedia Dreamweaver** (MX or MX 2004) and **MX Kollection 3**.

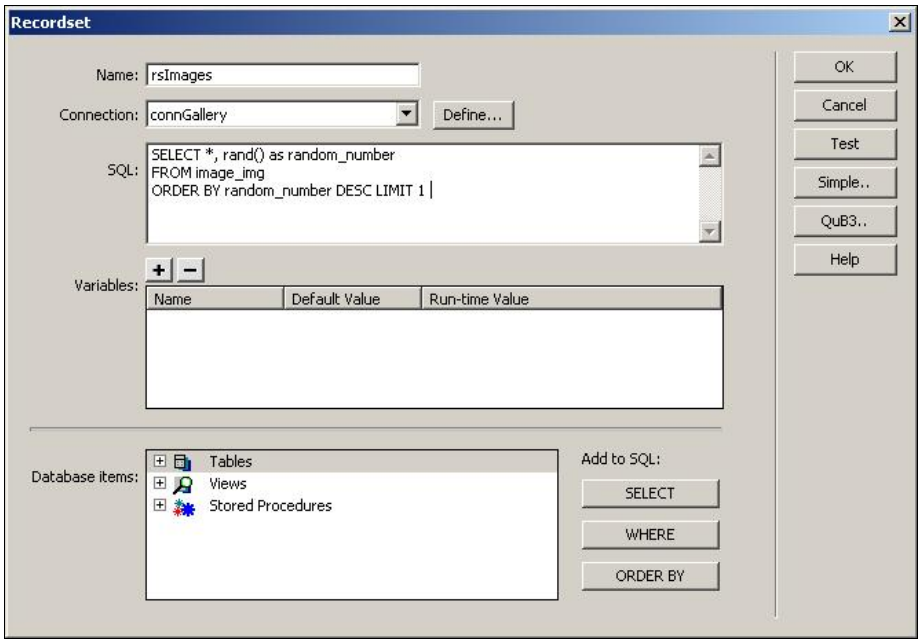
Display random image

In this tutorial section you will modify the *default.php* page to show a random picture each time the page is reloaded.

1. Open the *default.php* page.
2. Create a new recordset. This will retrieve from the image_img table all the image details, and will also make use of the SQL function RAND() to associate to each entry a random number. Then, the entire recordset will be ordered by the random number that was generated. This ensures that all images in the table get an equal chance of being displayed.
3. To create the recordset, click on the Plus (+) button of the Bindings tab. Since the SQL query is more complex than the Simple interface can handle, click on the Advanced button. Fill in the dialog box options as follows:
   - In the ***Name*** text field enter the recordset's name: *rsImages.*
   - In the ***Connection*** drop-down menu, select the database connection defined at the beginning of this tutorial (*connGallery*).
   - In the ***SQL*** text area you must enter the code that will retrieve the records. Copy and paste the code below:

     ```
     SELECT *, rand() as random_number
     FROM image_img
     ORDER BY random_number DESC LIMIT 1
     ```

   - Click on OK to add the recordset to the page.



4. Apply the **Show Thumbnail** server behavior using the *rsImages* recordset (as described in the Delete image page).
5. You should now be able to load the page in a browser and see a random image from your database. You can refresh the page a few times to see different images.

Show latest images

In this section, you will edit the default.php page of the gallery in order to make it display, below the random image, the thumbnails of the 5 most recently uploaded images.

1. In order to retrieve only the latest 5 images, create a recordset (*rsLastImg*) that uses the following SQL code (use the ***Advanced*** view):

   ```
   SELECT id_img, idalb_img, filename_img, date_img
   FROM image_img
   ORDER BY date_img DESC LIMIT 0,5
   ```

   If you are using **ColdFusion**, use the following code (no matter the database type):

   ```
   SELECT id_img, idalb_img, filename_img, date_img
   FROM image_img
   ORDER BY date_img DESC
   ```

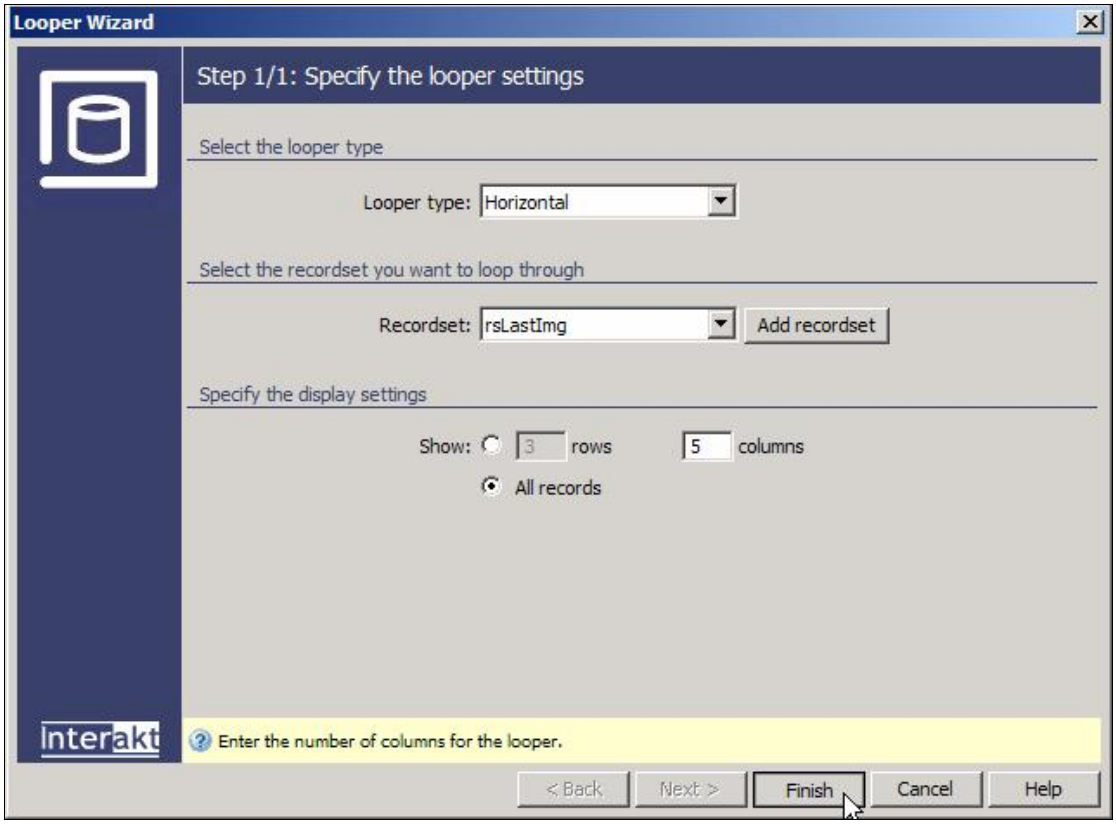
   and then edit the `<cfoutput>` tag to make it look like this: `<cfoutput query="rsImages" maxrows="5">`

   If you are using **Microsoft Access**, you can create the recordset with the following code:

   ```
   SELECT TOP 5 id_img, idalb_img, filename_img, date_img
   FROM image_img
   ORDER BY date_img DESC
   ```

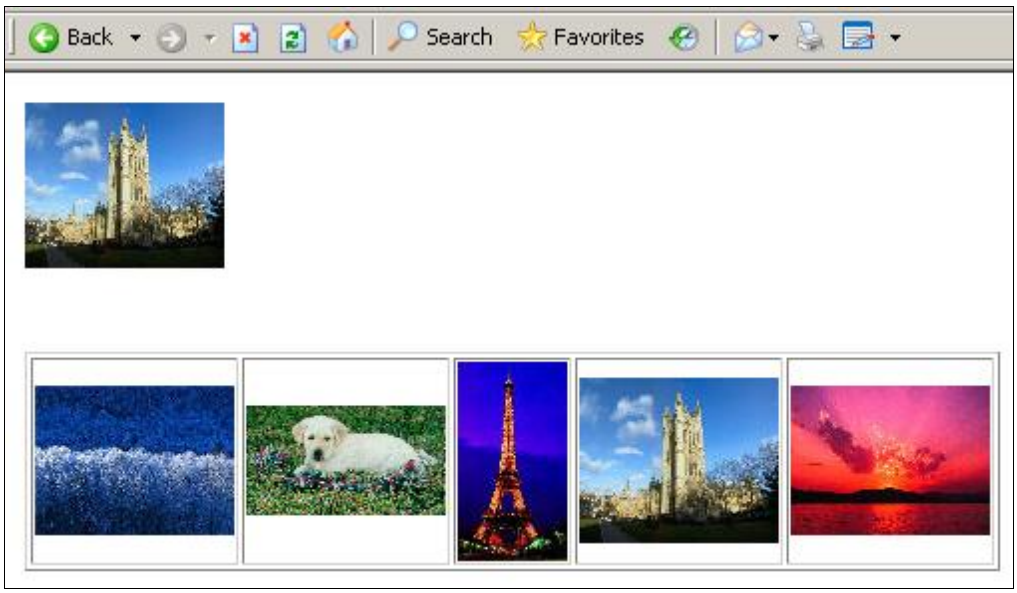
2. Create a new paragraph below the **Repeat Region** already existing on the page.
3. Apply a **Show thumbnail** server behavior configured to use the *rsLastImg* recordset to retrieve the file name.
4. Apply the **Looper Wizard** from the **MX Kollection** tab of the **Insert** panel and configure it as follows:
   - In the ***Recordset*** drop-down menu select *rsLastImg*.
   - Select the ***All records*** radio-button. This will disable the number of ***Rows*** setting, leaving only the number of ***Columns*** available for modification. Since the recordset only retrieves 5 records, and the best way to display them is in a row, enter 5 for the number of columns to use with the **Horizontal Looper**.

- Hit **Finish** to close the dialog box.



5. Next you have to turn each image into a link that will display the image at its actual size. To do so, select the image, and through the ***Make Link*** interface, select the *`full_view`* page, passing it the **id_img** URL parameter.

6. Save the page and upload it to the server. It should be similar to this one:

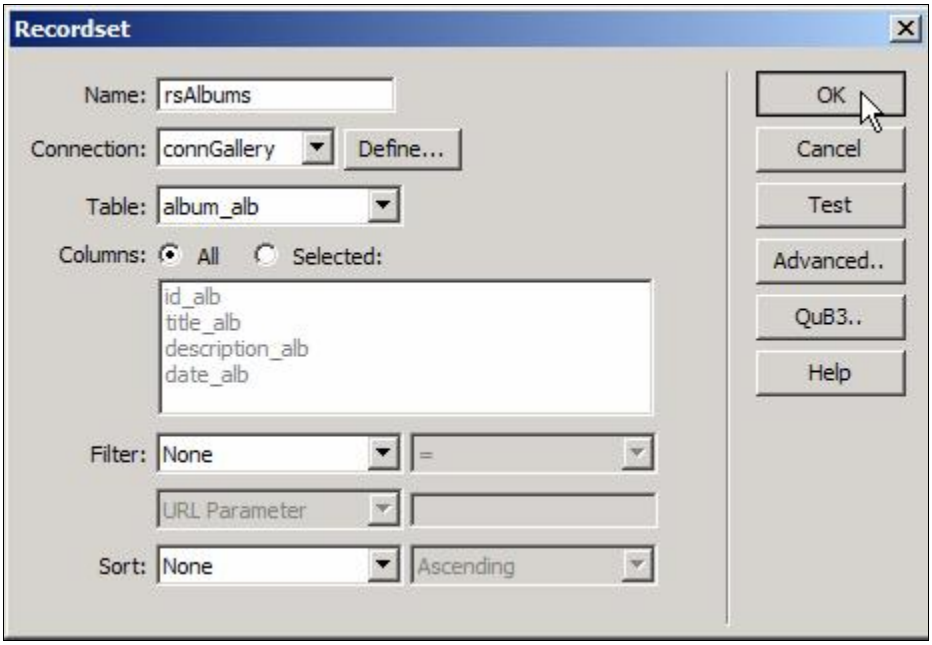


Create multiple albums

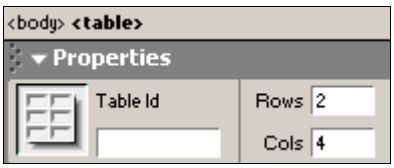
In this section you will improve the image gallery in order to group your images into albums. This way, it will be easier to find images that belong to a certain event, as they all will be in the same album. You will have to modify several files: the menu, the upload and the display. Also, each **Show thumbnail** server behavior will have to be modified, as you will store images belonging to a certain album into its own folder.

First, create the menu that will allow choosing the album to view:

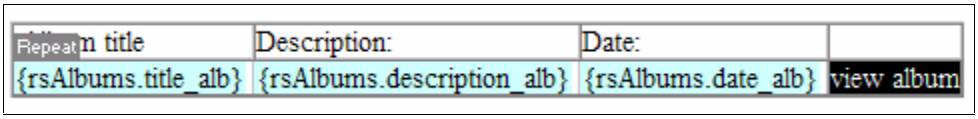
1. Open the *menu.php* page in **Dreamweaver**.
2. Create a recordset with all the albums (similar to the one created in the *List images and show thumbnails* page).



3. Use a dynamic table to create a navigation menu with all the albums from the recordset. This step is similar to the one in the *List images and show thumbnails* page.
4. Now you will link each menu entry to the *album.php* page and add an URL Parameter, **id_alb** with the id_alb recordset value. Add an extra column to the dynamic table by selecting the table and incrementing the ***Cols*** field in the **Properties** panel.

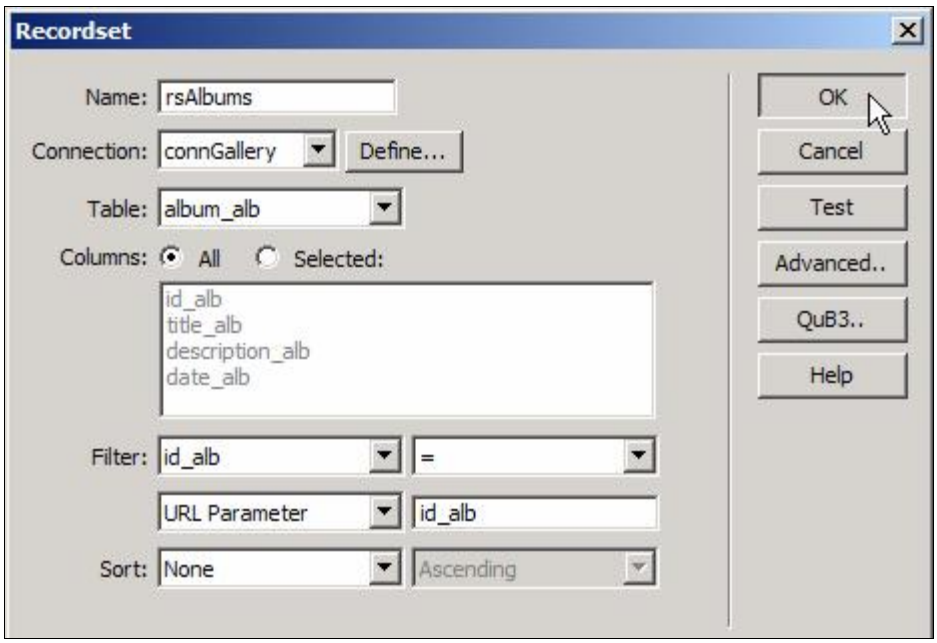


Arrange the dynamic table to look something like this:



Right click on the view album text, and select the **Make Link** option. In the interface, add the **id_alb** parameter, and link to the *album* page.

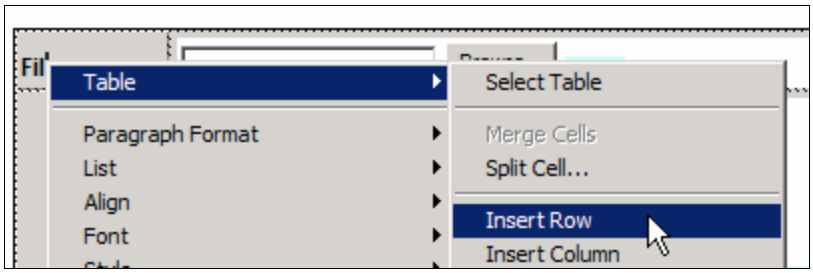
Open the *album* page. You will create the page in a similar way to the *thumb_view* page by creating a recordset and adding a dynamic table. Add a recordset to grab records from the *album_alb* table, and filter it using the **id_alb** URL parameter. This way, only images in the selected album are displayed.



Now use a dynamic table from the **Application** tab of the **Insert** bar to list the results from the recordset above.

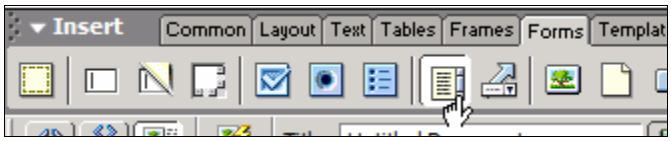
Next you have to modify the image upload page:

1. Open the *\admin\upload_img* page.
2. Add a recordset with all the albums from the *album_alb* table.
3. Next, you're going to add a drop down menu to the image upload form. The menu will contain all the album names, allowing you to specify which album the image will be uploaded to.
    - Add a new row to the form table, above the file field that allows browsing for an image:

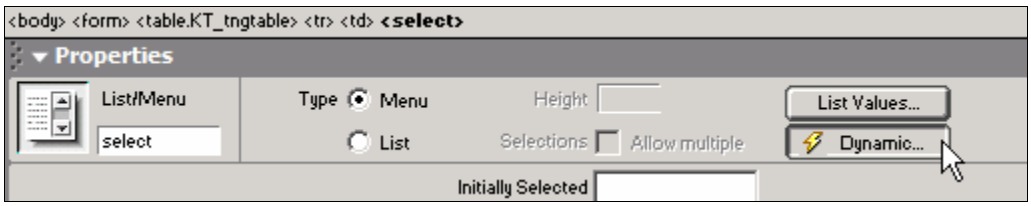


    - In the header column, enter the "**Album:**" text.

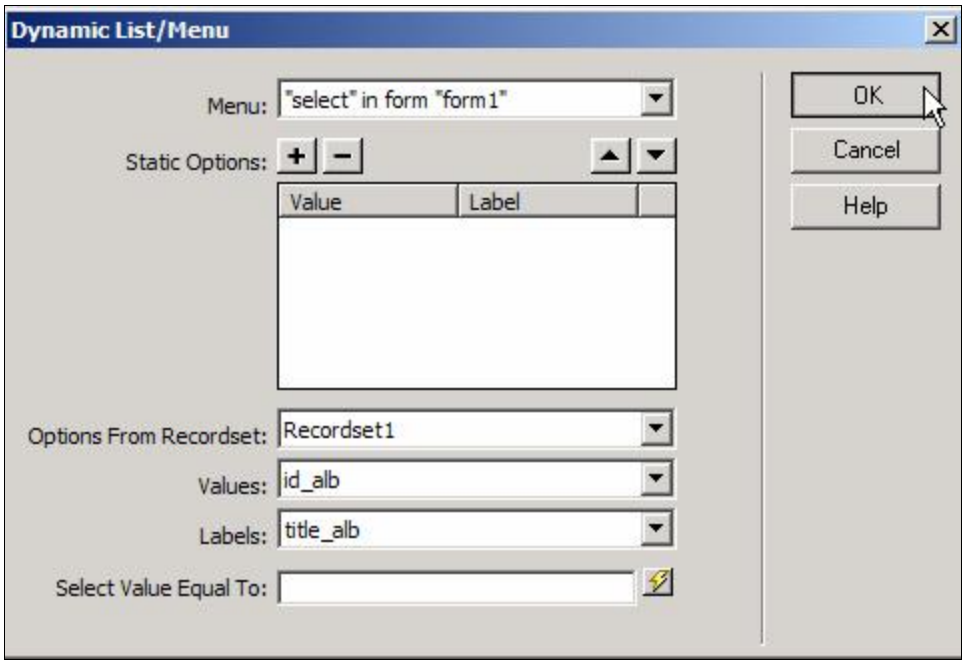
- In the second column of the newly inserted row place a **List/Menu** form element, from the **Forms** tab of the **Insert** panel, by pressing its corresponding button.



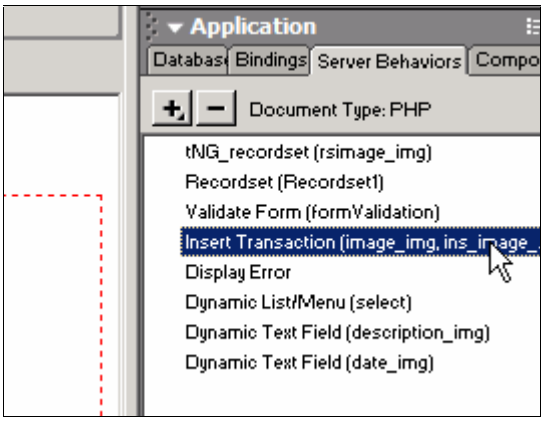
- After you've inserted the **List/Menu** form element, you can determine what values it will display by using the **Property Inspector**. Since the drop-down menu will use album titles as they are stored in the database table, hit the **Dynamic** button.



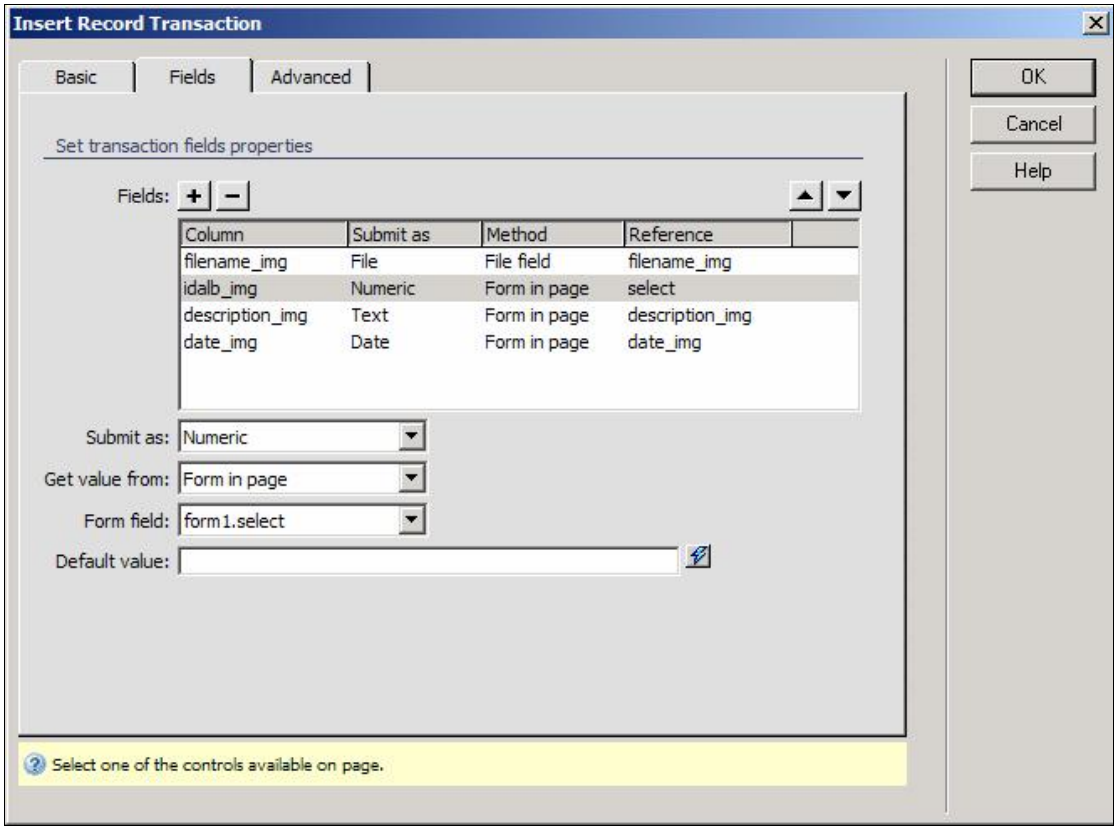
- In the user interface that opens, you can add static options, that will be displayed regardless of what is in the table, and also options for the truly dynamic data: the recordset to retrieve data from, the ***Values*** column and the ***Labels*** column. Configure the dialog box as you can see below, based on the recordset created on the first step.



4. Now the form element that allows choosing an album is displayed in the page, but when the actual insert transaction is executed, it is completely ignored. That is because the field was not associated to a database column when the insert transaction was added to the page. To add it now, you have to edit the **Insert Transaction** server behavior by double-clicking its name in the **Server Behaviors** tab.

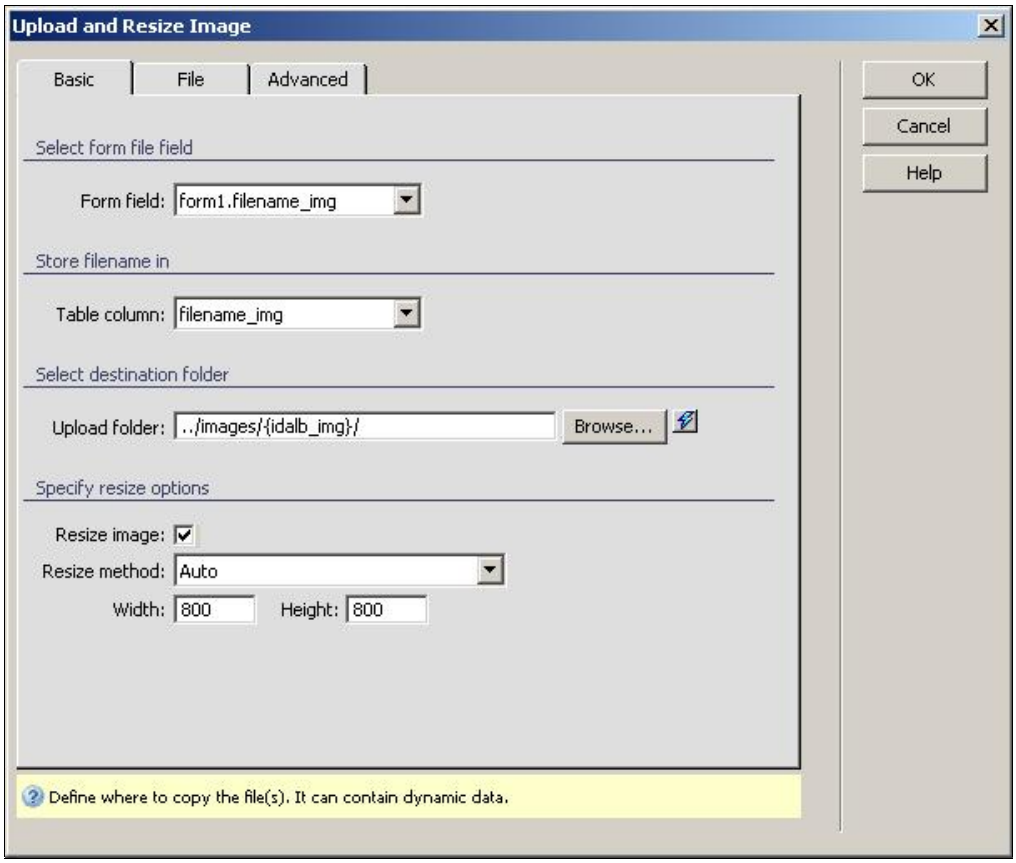


5. When the dialog box opens, switch to the **Fields** tab. Press the **Plus (+)** button on top of the ***Fields*** grid, and in the window that opens, select the ***idalb_img*** field from the list. Click **OK** to close this window and return to the **Insert Record Transaction** interface. In the ***Fields*** grid, click on the newly added field.
Using the interface controls below the ***Fields*** grid, proceed with the following settings:
   - In the ***Submit as*** drop-down menu select **Numeric**.
   - In the ***Form field*** drop-down menu select **form1.select**.

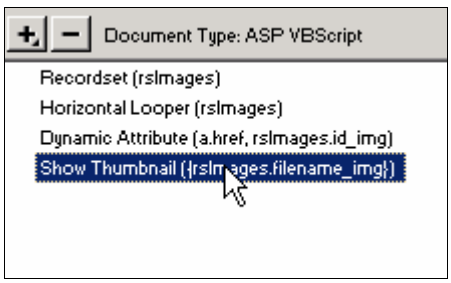


6. Click **OK** to close the dialog box.

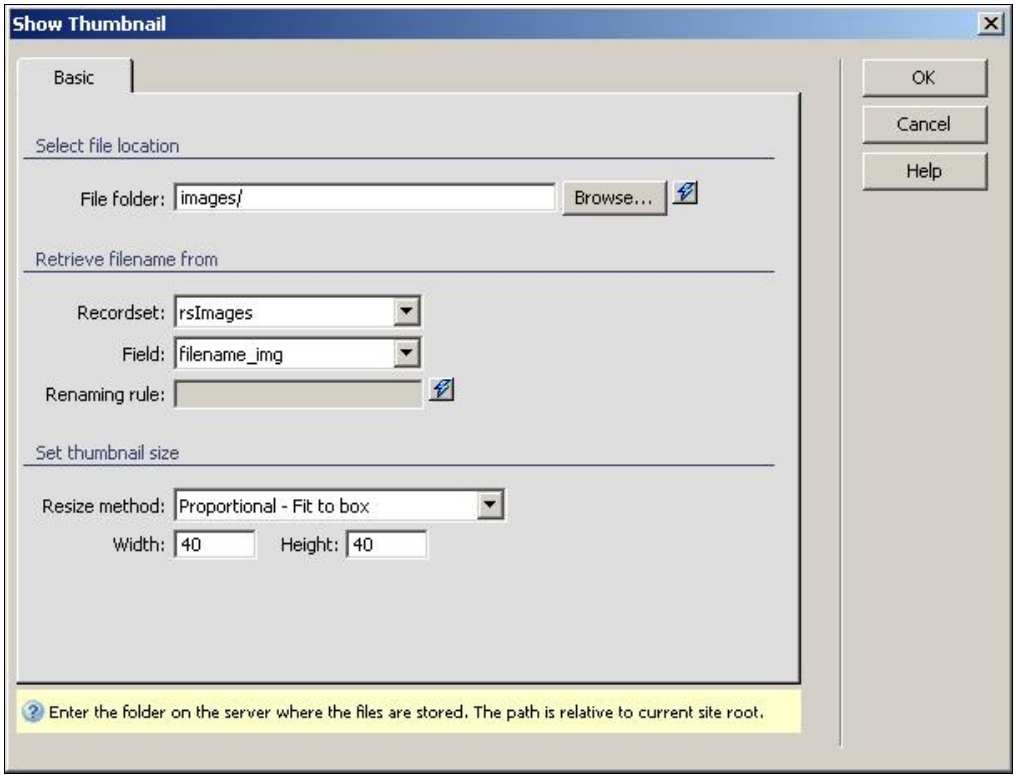
7. You also need to modify the generated server behavior for uploading the image by specifying the dynamic upload folder. Open the server behavior by double-clicking its name in the **Server Behaviors** tab and add a dynamic value next to the ***Upload folder*** name. To add the album ID to the path, click the **InterAKT Dynamic Data** icon and select the transaction field ***idalb_img***.



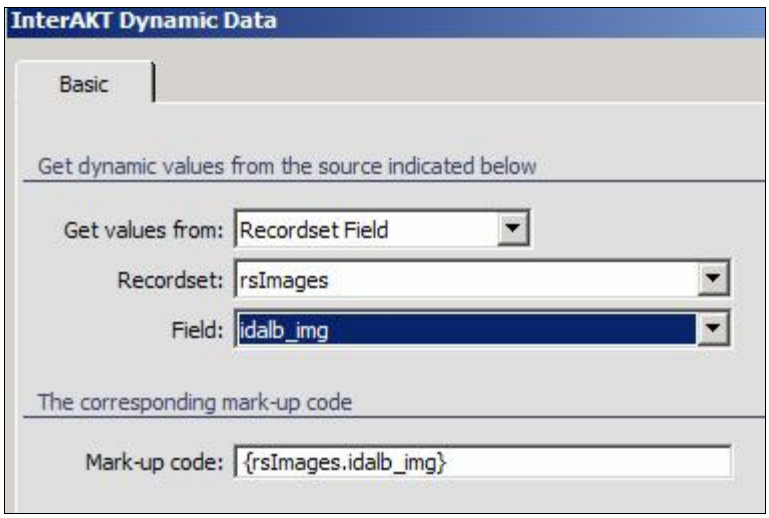
8. In the last step, you modified where uploaded images will be stored. Therefore, the last thing to fix is the **Show thumbnail** server behavior. Actually you need to modify every **Show thumbnail** server behavior used in the site. This is because the path to where images are stored has changed. To change the folder name to a dynamic value, you will do something similar to step 5 above.
   Go to any page that uses a **Show thumbnail** behavior - *`thumb_view`*, for example. In the server behaviors list, double-click on the **Show Thumbnail** behavior to open its dialog box:



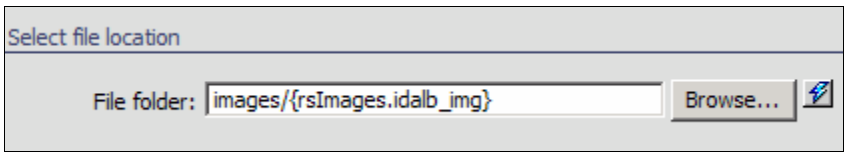
   In the interface that appears, select the dynamic data icon (blue icon bolt) next to the image ***File folder*** field:



Use the **idalb_img** field from the rsImages recordset.



Now the Show thumbnail behavior should be pointing to the correct album folder:



Redesign the gallery with MX Includes

The current organization of the gallery files does not allow simple navigation through all of the albums and pictures. That is why in this tutorial section you will enhance the gallery, by putting all the elements that make up the gallery in a single page. You will reuse the pages created so far, using **MX Includes**, which allows placing existing files within a single page in a static or dynamic way.

On the gallery home page (*index.php*), you will place the following elements:

- A menu listing all the albums, linked to display the images in each specific album.
- The center of the page will display different pages, depending on the value of an URL parameter. If an album hasn't been selected yet, the page containing the random image and the latest 5 additions to the gallery will be displayed.
- When a thumbnail is clicked, the center of the gallery home page will display the full-sized image.

MX Includes is a tool that allows easy code-reuse, incorporating already made pages into others, in a static or dynamic manner. To learn more about this product, please see Reuse content: Server-Side Includes.

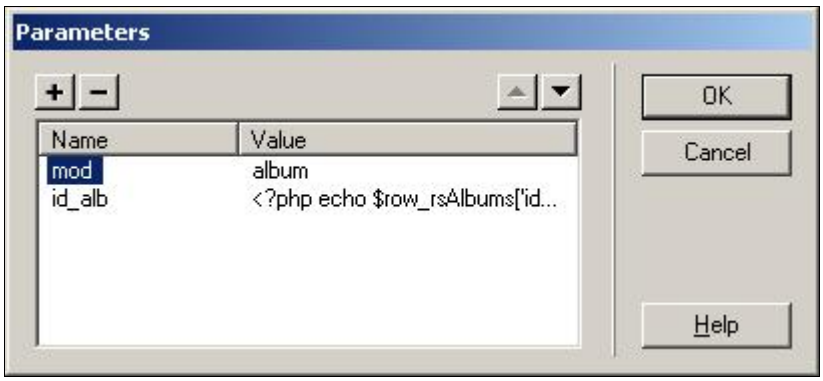
Before actually creating the main page, you must decide what files will be used, and if they require any modifications:

- The *default.php* file in the site root containing the random image and the most recently uploaded images will be displayed when no other action is taken, in the main page center.
- The *album.php* page will be displayed in the main page when a link from the menu is clicked, showing the images in that particular album.
- The *full_view.php* file will be used on the main page to show the images at their original size.
- The *menu.php* will be statically included in order to allow site visitors browse the albums.

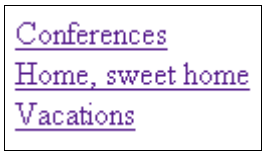
The menu file requires some modifications, as all of its links point to the *album.php* page.

Next you have to modify the menu to be displayed in the home page. To do so, follow the next steps:

1. Open the *menu.php* file in **Dreamweaver**.
2. Link each album title to the *index.php* page, because the menu, as well as the images will be displayed there. The links must also pass the **id_alb** URL parameter, as well as a static parameter, which will be used to determine which page to load in the *index* file: Set its name to **mod**, and its value to **album**.



3. If needed, trim the table rows and columns so that the browser view will appear like the image below. Save the file and close it. The browser preview will simply display a set of links:

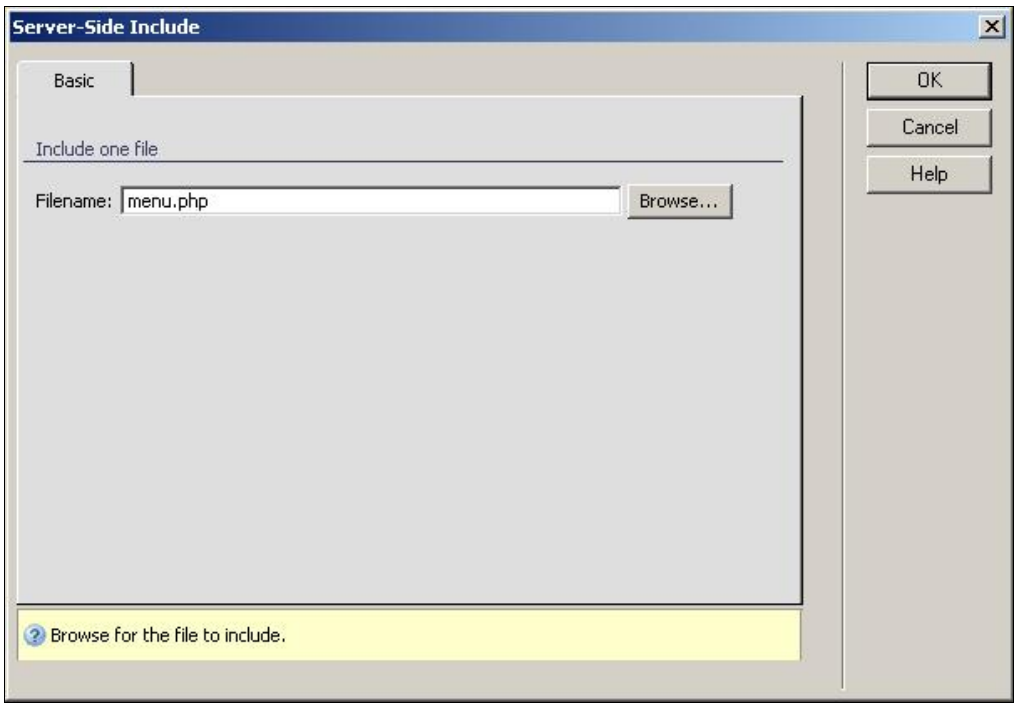


The next file to be changed is *default.php*:

1. Open the *default.php* file in **Dreamweaver**.
2. Select the show thumbnail translator in the **Horizontal Looper**. This is the one used to display the latest 5 additions.
3. Change its link, so that it will point to the *index.php* page. Leave the **id_img** parameter in place, and also add another: name: **mod**, value: **detail**, similar to the image above.
4. Save the page and close it for now.

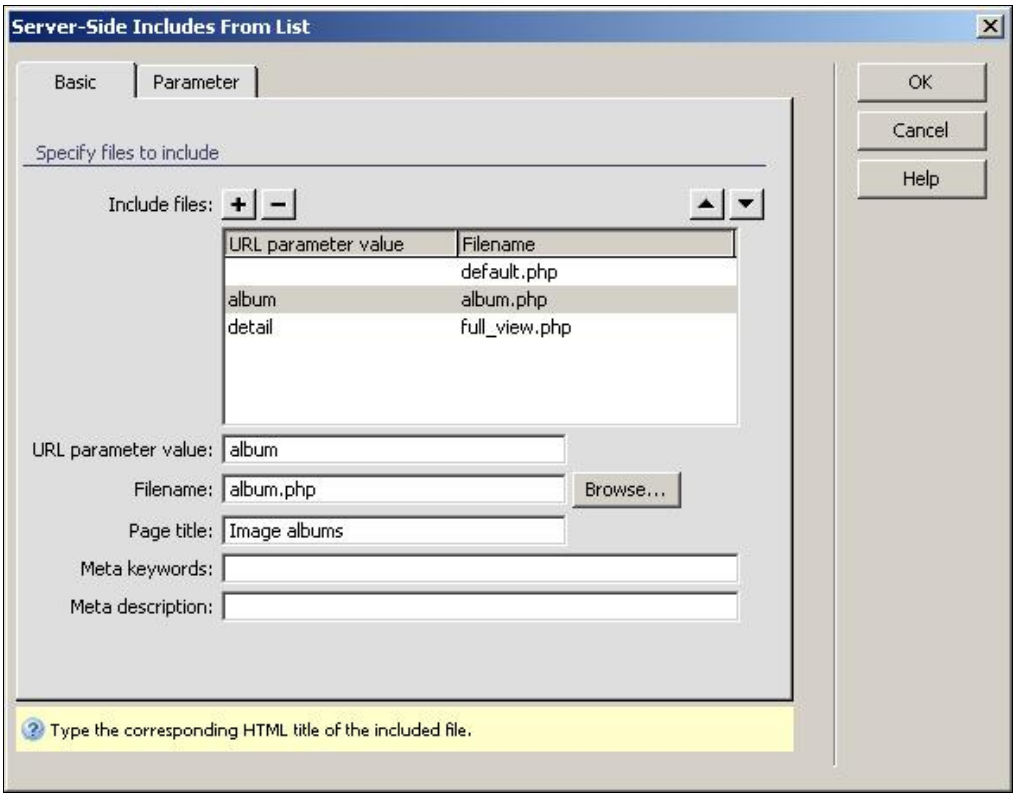
It is time to begin creating the site's new main page. To do so, follow the instructions below:

1. Open the *index* file in **Dreamweaver**.
2. Add a new table containing 2 rows and 2 columns. Set the border to 0.
3. Click in the second row's first column. This is where the menu will be displayed.
4. Apply the **Server-Side Include** server behavior from **Server Behaviors -> + -> MX Kollection -> MX Includes**.
5. Use the **Browse** button to select the *menu* file and click the **OK** button to close the dialog box. Now the menu will appear on page.

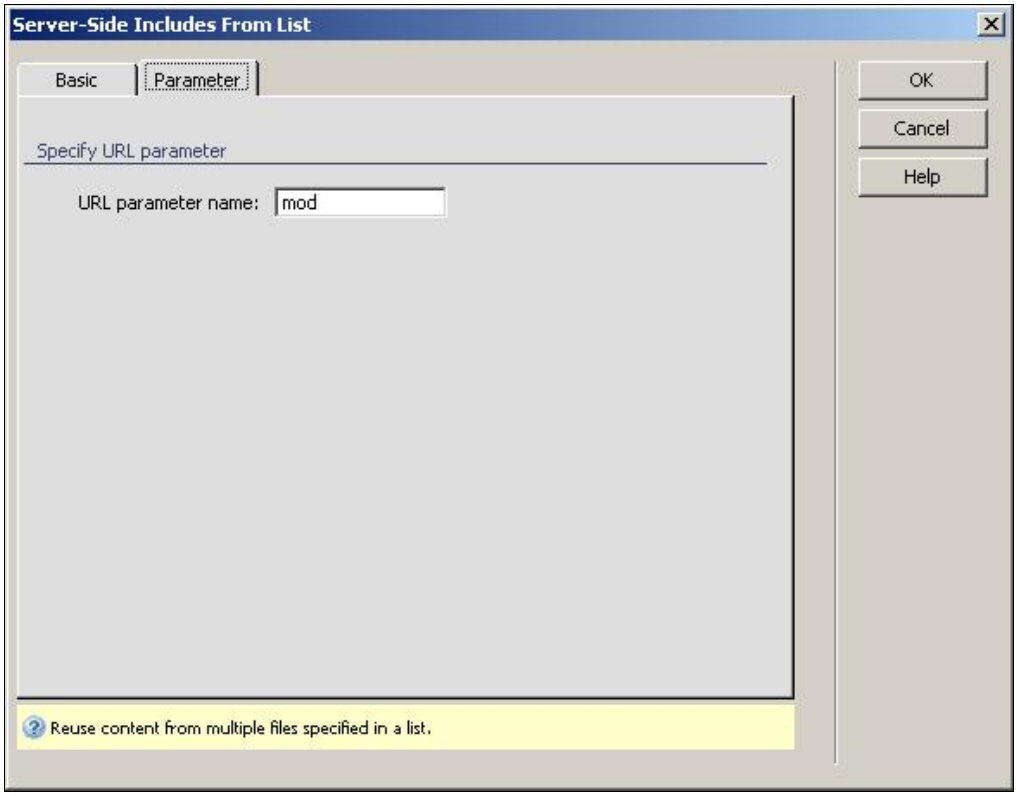


6. Click in the second row's second cell. This is where different pages will load, depending on an URL parameter. This parameter will be called **mod** (from mode).

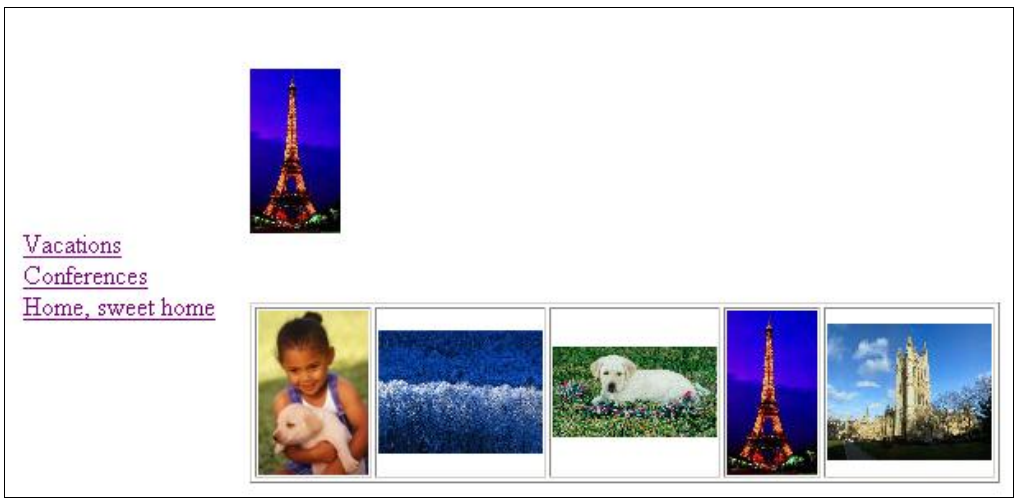
7. Apply the **Server-Side Includes From List** server behavior from **Server Behaviors -> + -> MX Kollection -> MX Includes**.
8. To configure the ***Basic*** tab, enter the next 3 value/page to load/title groups:
   - ***URL value***: leave empty; ***Filename***: default.php; ***Title***: Welcome to the Image Gallery
   - ***URL value***: album; ***Filename***: *album.php*; ***Title*** : Images in album.
   - ***URL value***: detail; ***Filename***: *full_view.php*; ***Title***: Image details.



9. To configure the ***Parameter*** tab, enter **mod** in the respective text box:



10. Click **OK** button to close the dialog box.
11. Save the page and preview it in the browser. The default page that opens displays the random image, as well as the latest 5 additions.

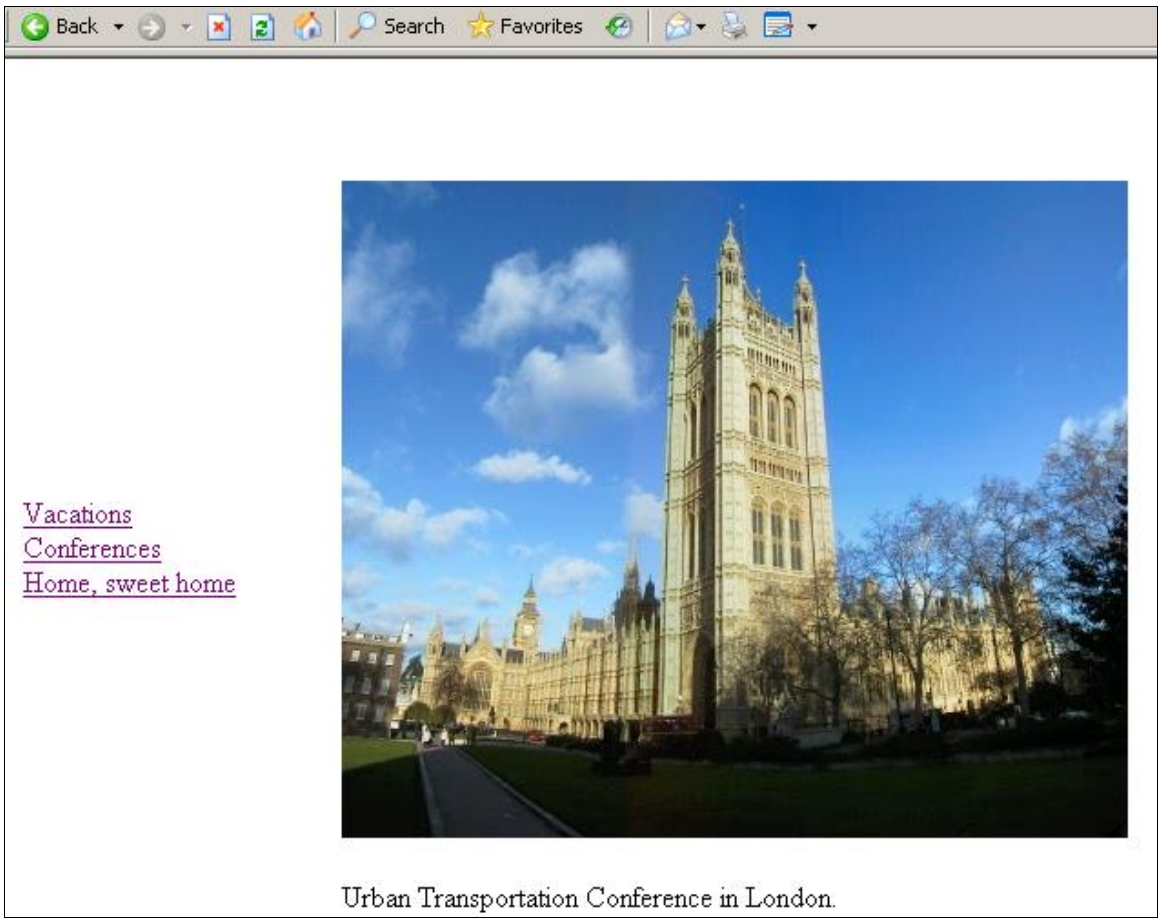


There is still one more tweak before your gallery is ready. When you click on an image to see it full scale, it opens the *full_view* page, instead of the new home page. This is what you will have to change next: edit the links on the images.

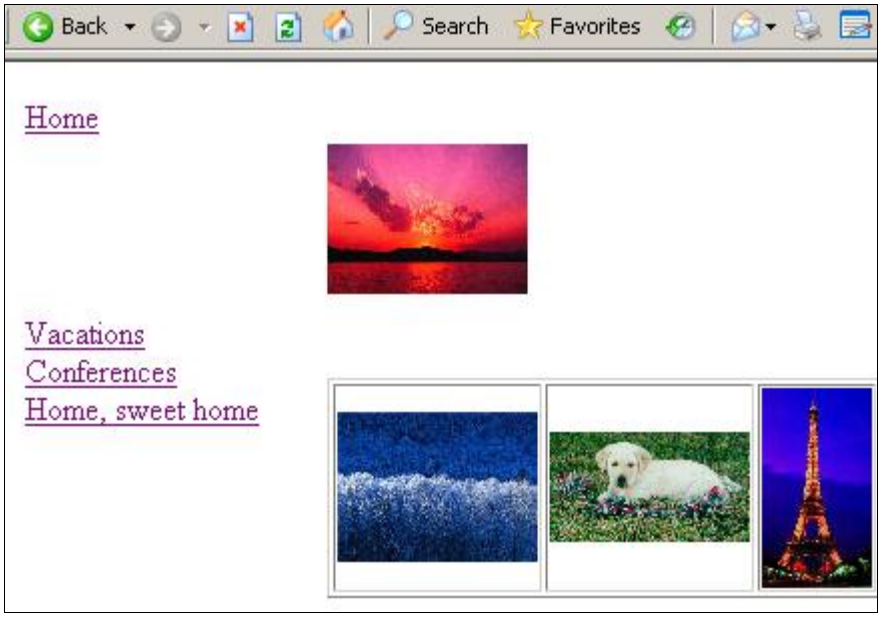
Open the *album* page in Dreamweaver. You will have to edit the links on images, so that it will open the correct page with the right parameters.

1. Click on the image placeholder, and edit the link so that it will point to the *index* file. Leave the id_img parameter, as it is handled by the *full_view* page, and also add the **mod** parameter. Set its value to detail, as configured in the Server-Side Includes From List server behavior.
2. Close the page and save it.

Now, when you click on an image, it will open it at full scale inside the *index* file, displaying the menu as well:



You only have to do one more thing before calling it a wrap: add a link that will take the visitor to the home page. In the index page, click in the first row's first cell, and type Home, or add a logo. Using the Make link dialog box, set it to point to the *index* file without any kind of parameter.

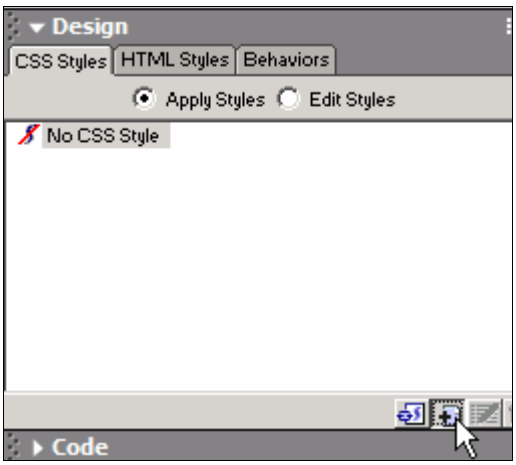


Enjoy the Image gallery you've created, and store as many pictures as you wish in how many albums you have. If you want to further enhance your application, you can add the possibility for users to comment on each image, or even add images of their own, by allowing them to register on your site.

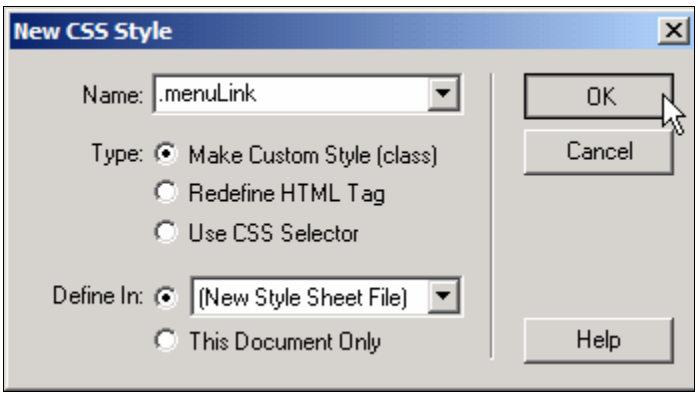
Apply CSS to the Image Gallery

Although the Image Gallery is now completely functional, the front-end is not exactly pretty. In this page you will create a CSS stylesheet, and define your own styles to jazz up the index page.

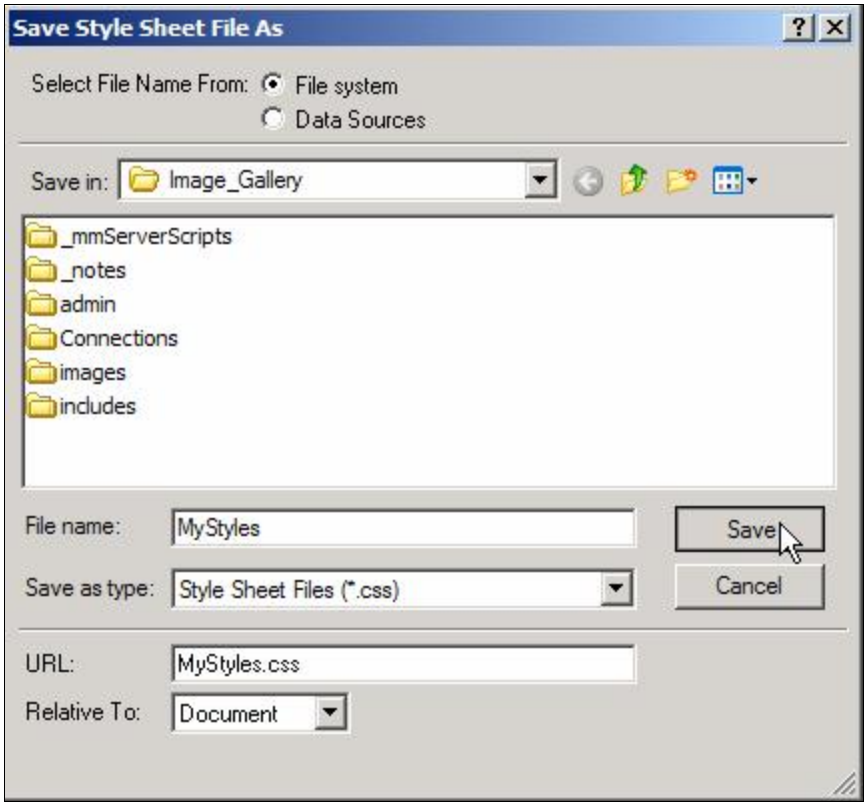
1. To define a new stylesheet, go to the design panel and click the **New CSS Style** button as shown below:



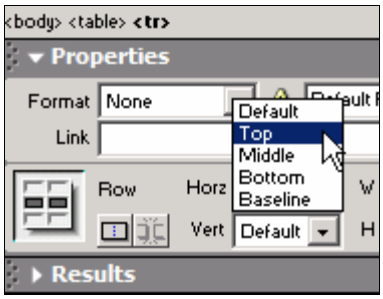
2. This will bring up the New CSS Style interface, where you define a new style, and the stylesheet file to contain it. In this case, you will be creating a new file:



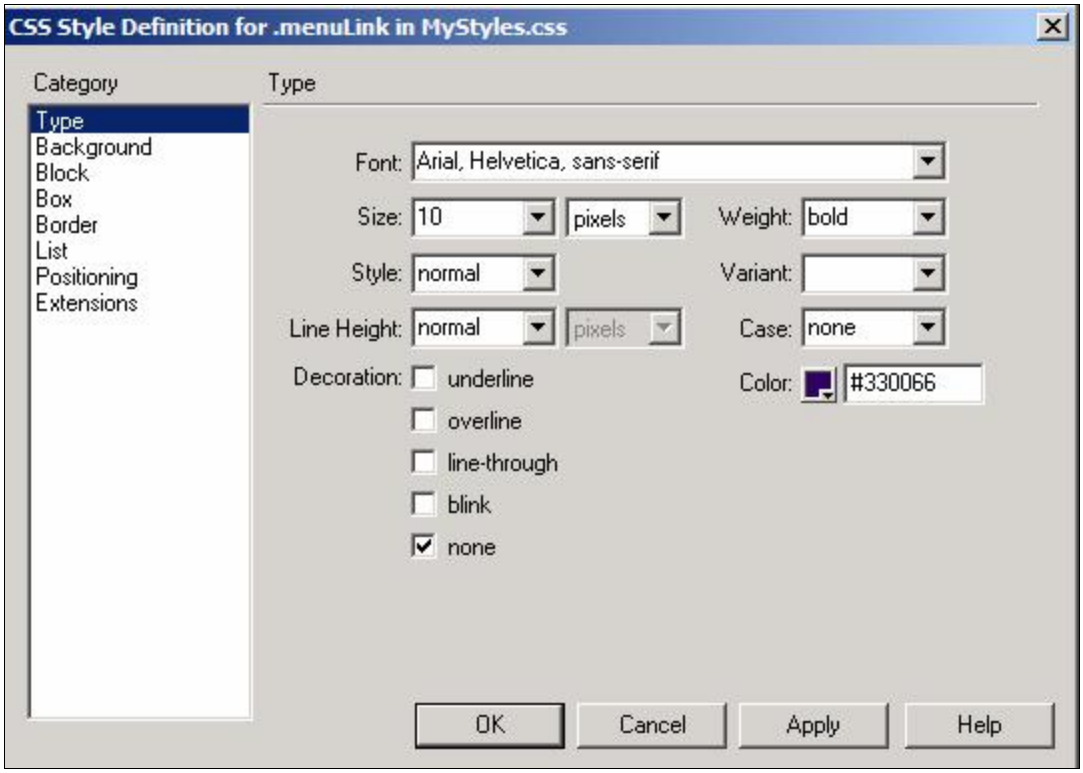
3. Save As



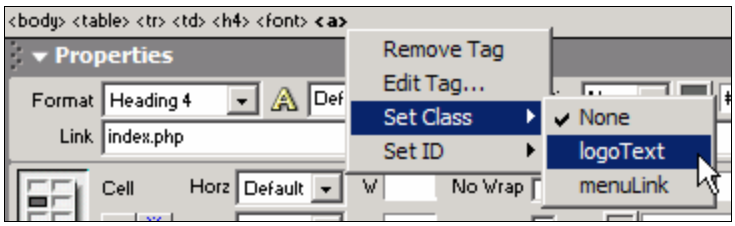
4. Aligning table cells at the top:



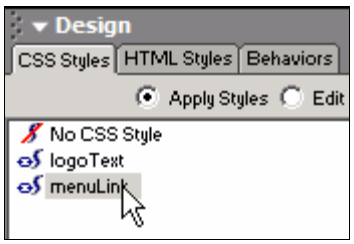
5. Specify settings for your new style:



6. Adding class to a specific element:



7. Modify existing style:



Other Resources

Other Dreamweaver Extensions from InterAKT

- KTML
- MX Kart
- MX Site Search
- MX RSS Reader-Writer
- MX Dynamic Table Sorter
- MX Coder Pack
- MX Dynamic Charts
- MX CSS Dynamic Menus

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