

DreamWeaver & PHP

**Introduction to the DreamWeaver
dynamic development interface**

First – the necessary software required and installed

- **MySql** – the database (or Access)
- **Apache** or **IIS** server
- **PHP**
- **DreamWeaver**

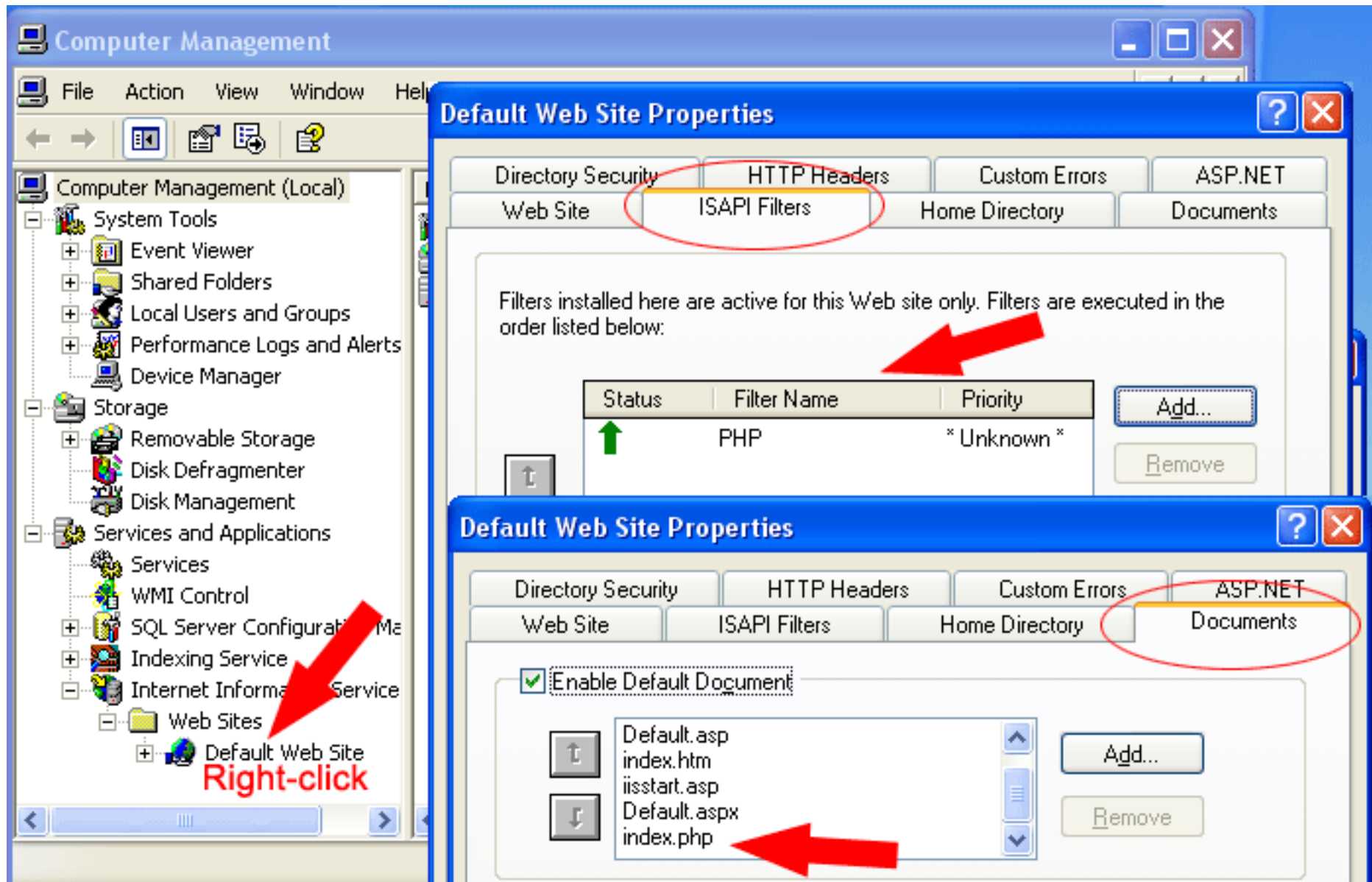
Each of these have to be installed and configured to communicate together. Depending on PC or MAC, there are some system settings which may need to be changed to ensure PHP is recognized and functions correctly on the “localhost”.

Files to be tweaked:

- **Php.ini** (in the PHP folder)
- **Httpd.conf** in the Apache conf folder
- If using IIS, see next slide..
- If using IIS, the local host is in:
c:\Inetpub\wwwroot\.. This is where the files live for the PHP to process.
- Need to set up the “local” folder, and the “testing folder”.
- (Keep track of all passwords required!)

Windows IIS settings

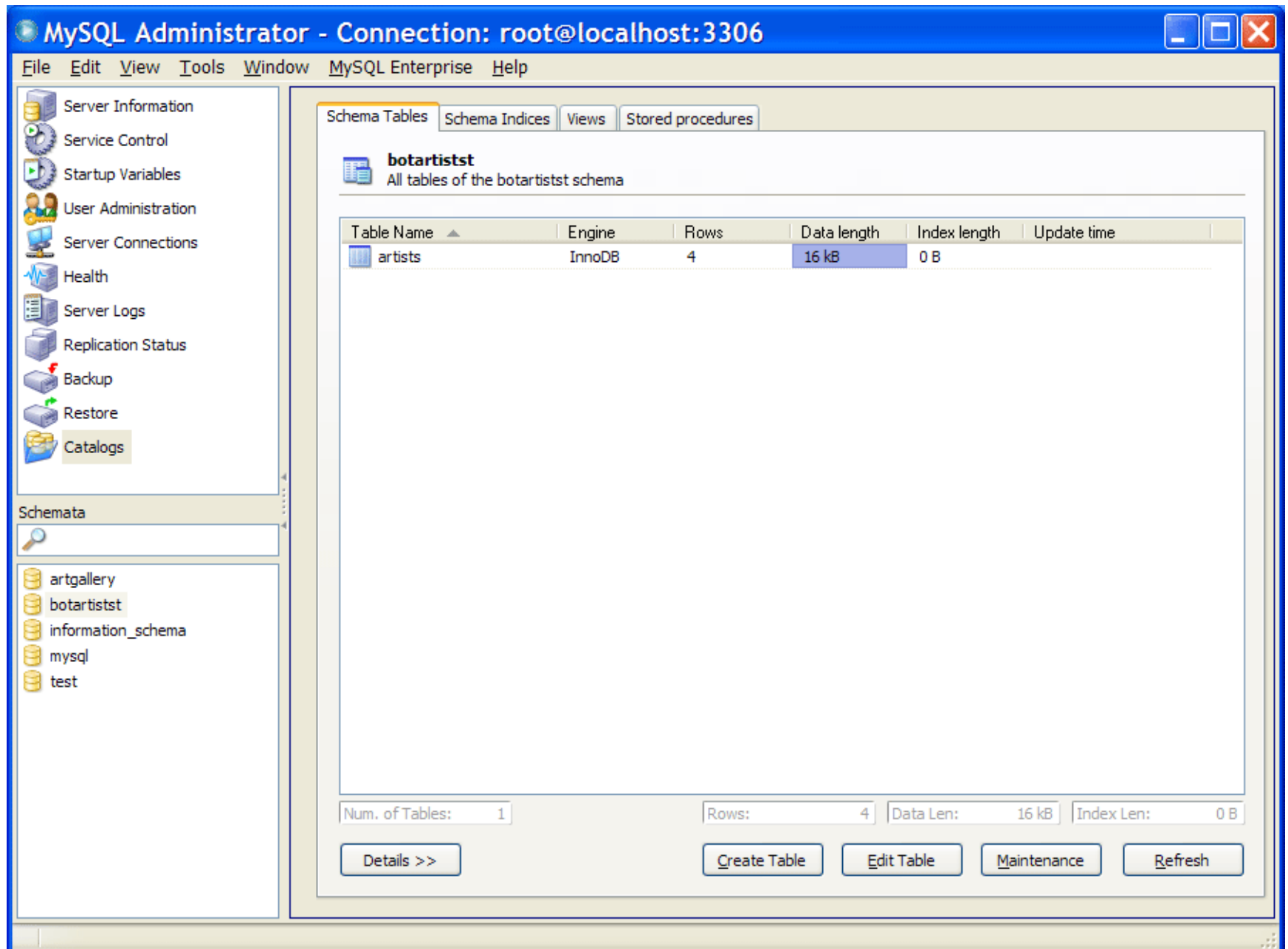
- These settings “may” have to be tweaked for PHP to work!



Database plan comes next

- Design the database and create the necessary tables, fields etc.
- Draw a blueprint out first, and start to figure out how each table needs to be related and connected to each other, and what kind of functionality you want
- Use either the **MySql Administrator** or the **PHPmyadmin** interface to set up the database.

MySQL Administrator



PHPmyAdmin

localhost / localhost / avotest | phpMyAdmin 2.10.1 - Windows Internet Explorer

http://localhost/phpmyadmin/

Google

Google G Go 623 blocked Check AutoLink AutoFill Settings

localhost / localhost / avo... X Don't judge too quickly - Snotr

phpMyAdmin

Server: localhost Database: avotest









































Structure SQL Search Query Export Import Operations Privileges

Drop

Database
avotest (5)

avotest (5)

- events
- pages
- people
- subjects
- users

	Table	Action	Records	Type	Collation	Size	Overhead
<input type="checkbox"/>	events	       	0	InnoDB	latin1_swedish_ci	16.0 KiB	-
<input type="checkbox"/>	pages	       	4	InnoDB	latin1_swedish_ci	16.0 KiB	-
<input type="checkbox"/>	people	       	5	InnoDB	latin1_swedish_ci	16.0 KiB	-
<input type="checkbox"/>	subjects	       	3	InnoDB	latin1_swedish_ci	16.0 KiB	-
<input type="checkbox"/>	users	       	0	InnoDB	latin1_swedish_ci	16.0 KiB	-
	5 table(s)	Sum	12	InnoDB	latin1_swedish_ci	80.0 KiB	0 B

Check All / Uncheck All With selected:

Print view Data Dictionary

Create new table on database avotest

Name: Number of fields:

Go

Open new phpMyAdmin window

Done Local intranet 100%

Now onto DreamWeaver..

- Establish a development folder where the pages are constructed
- Set up the “testing server”, a folder in c:\inetpub\wwwroot where the files can be processed to show the live data
- Define all settings in the DW site definition window.
Site/Manage site..
Edit/Testing server
- Choose PHP and “Local/Network”

DreamWeaver site definition

Site Definition for AnnaGraphics [X]

Basic Advanced

Category

- Local Info
- Remote Info
- Testing Server
- Cloaking
- Design Notes
- Site Map Layout
- File View Columns
- Contribute
- Templates
- Spry

Server model: PHP MySQL


Access: Local/Network

Testing server folder: C:\inetpub\wwwroot\annagraphics08\

URL prefix: http://localhost/annagraphics08/

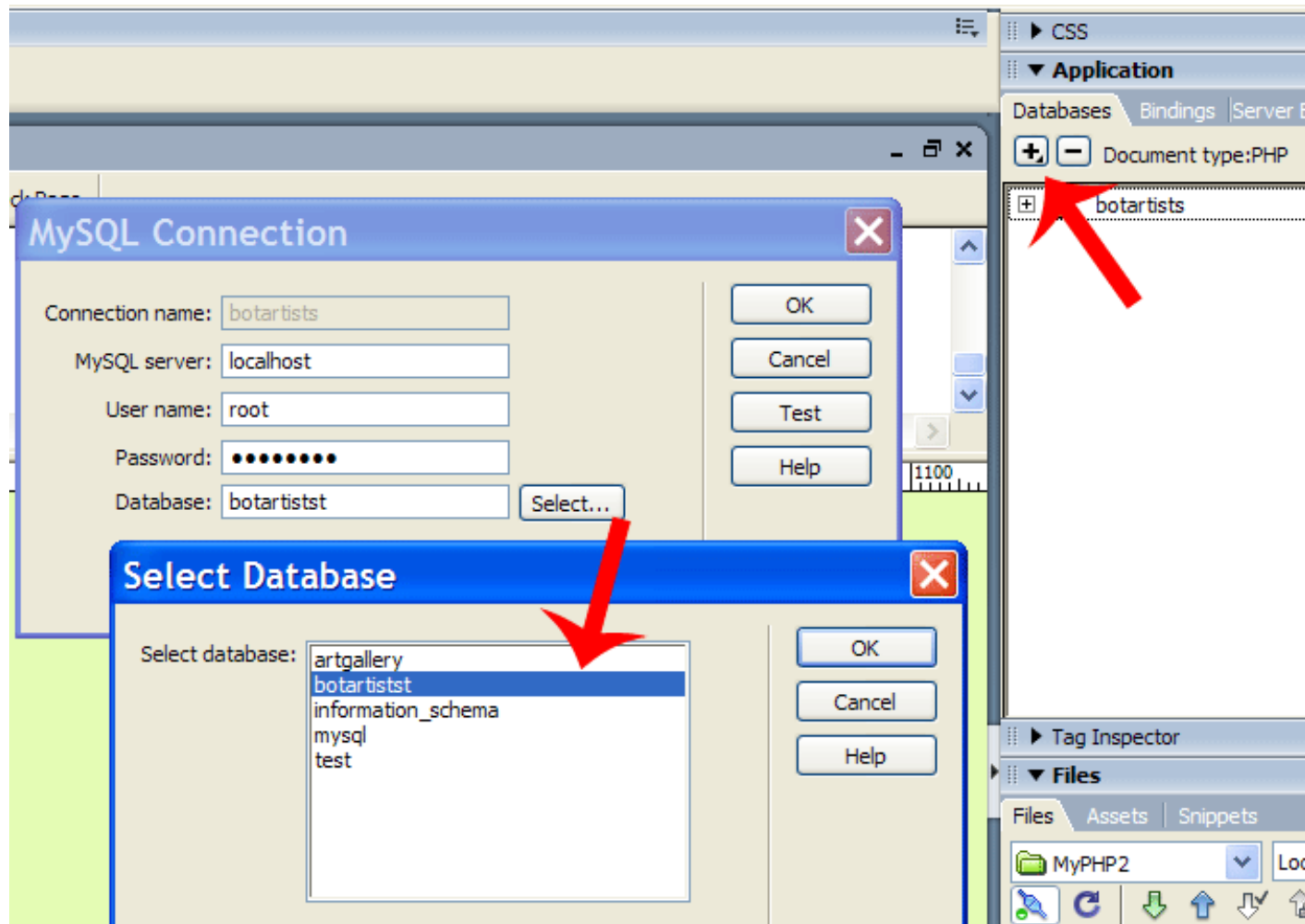
The URL Prefix is the location of the site's root folder on the testing server.

OK Cancel Help



Connecting to the database

- FIRST: have a (any) PHP page open in DW
- In Application window, Databases tab, click the + to find the database connection

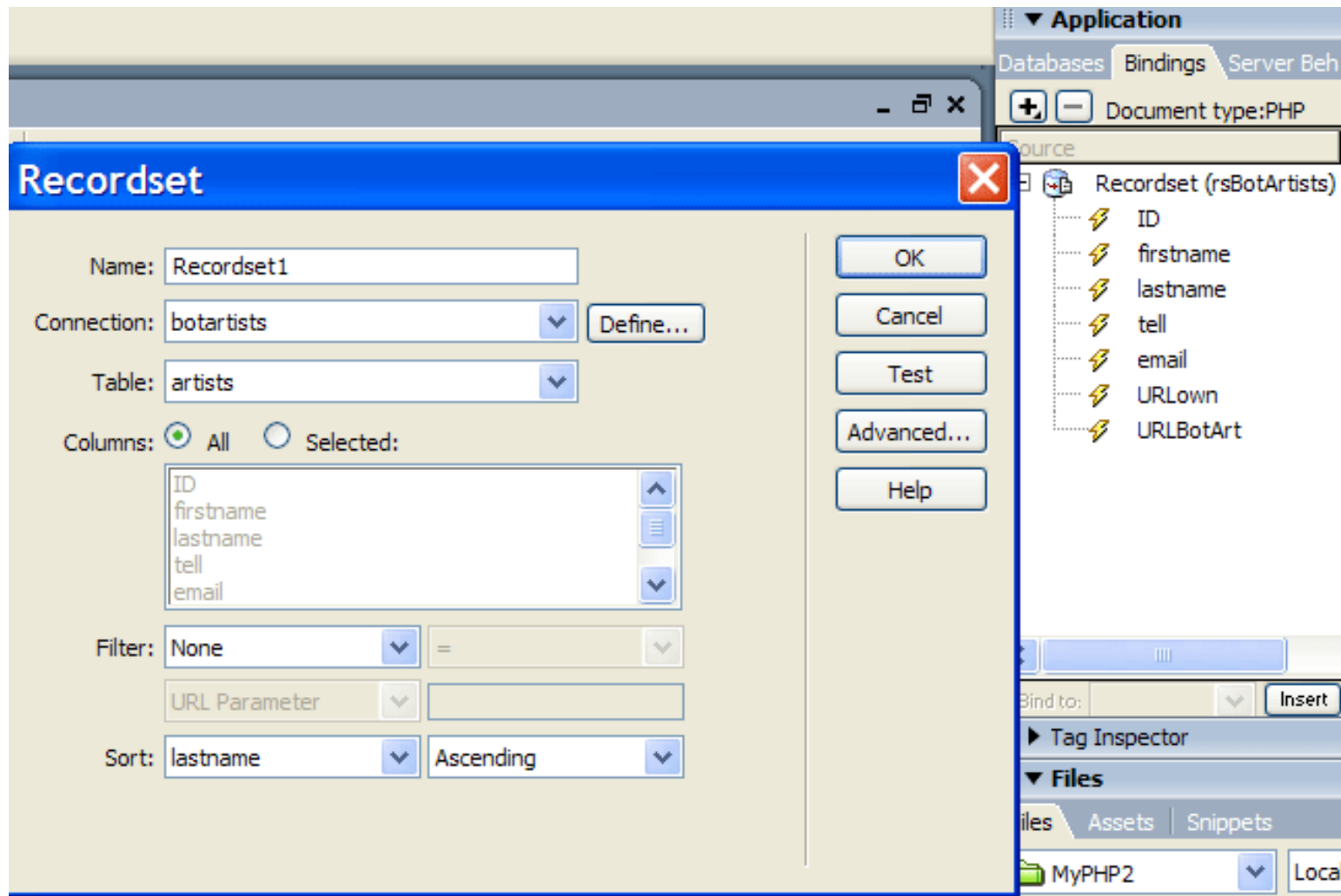


What did DW do?

- Once the DB is selected, DW creates a “Connections” folder and inserts a php page specifying the connection
- All other PHP pages using dynamic data will refer to that file for the connection settings.
- The DB name will show up in the Databases tab.

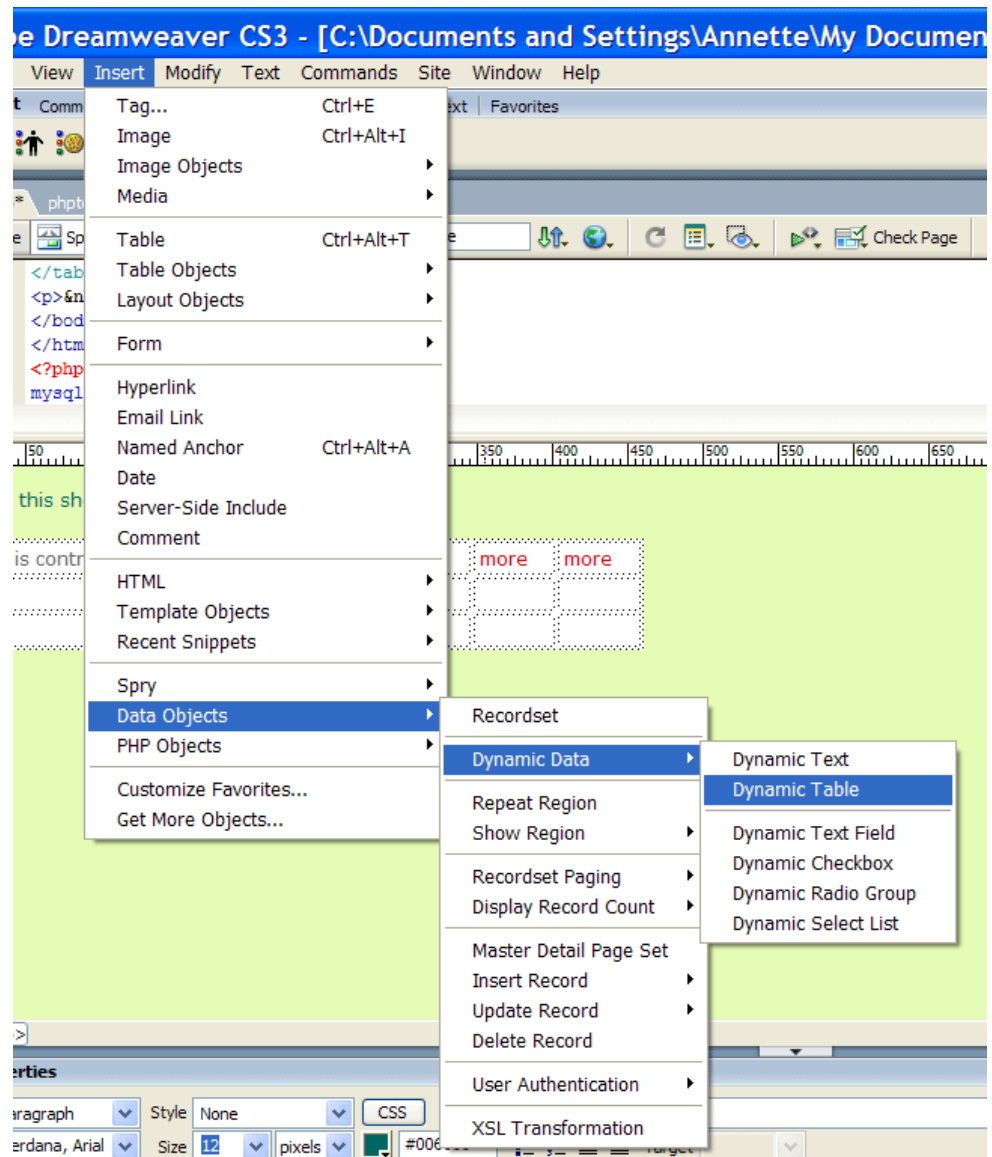
Now the fun part..

- Displaying dynamic data:
- First make a “Record Set” (Query) to define what will be shown - under Bindings, click +



Create a table to show the data

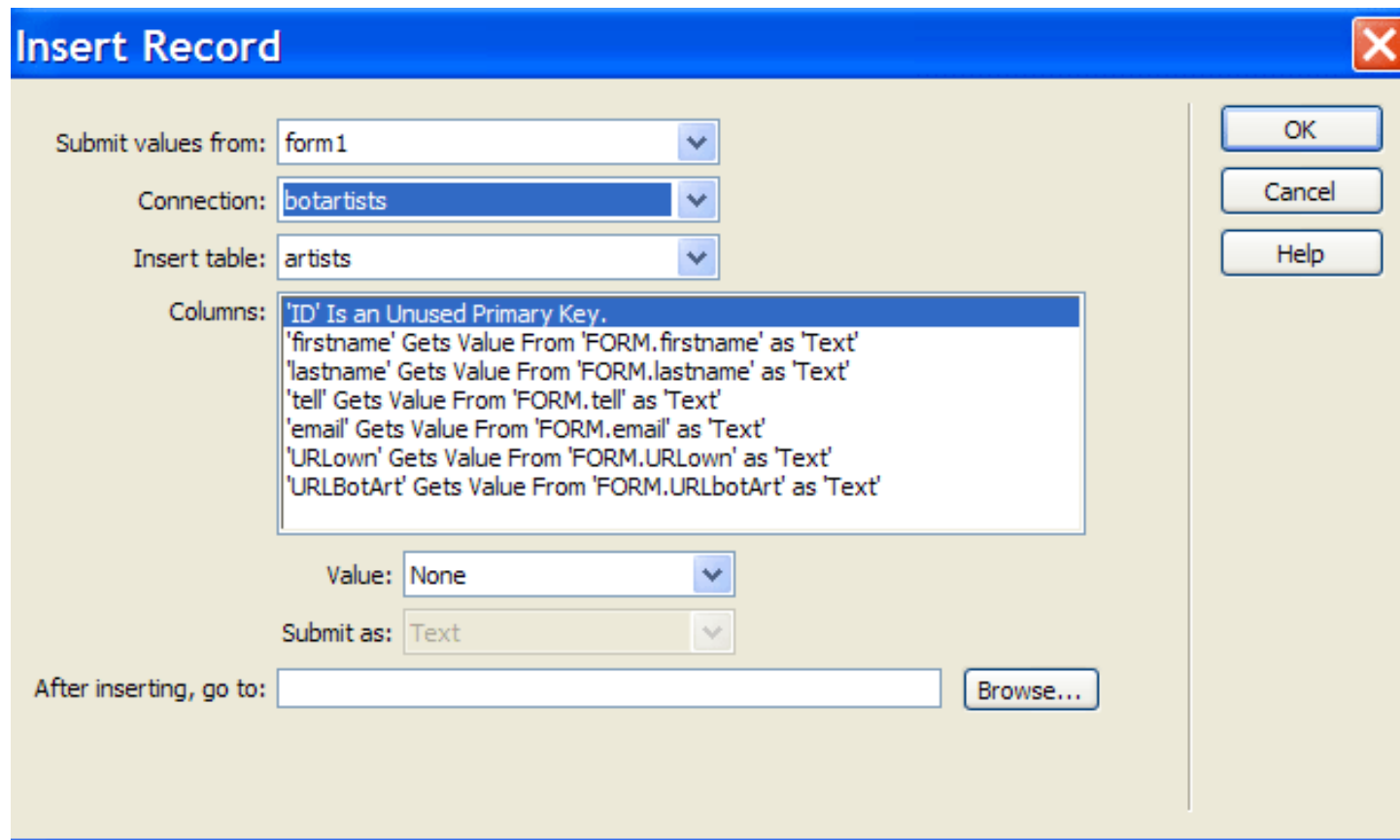
- DW has an easy way:
- Insert/Data Objects/Dynamic Data/Dynamic table.
- Choose the record set and DW does all the work!
- Preview in the browser to show the live data.



Creating a data entry form

- Create a form, and insert a table
- Use at least two columns of data
- Set form fields and name each the SAME as the names in the DB!
- Add a submit button
- After that is done, click “Server Behaviors tab, and click + to select “Insert Record”
- Choose required table, and DW will match the field names with the DB names.
- Also set the page to go to after submission.

Insert record



The image shows a 'Insert Record' dialog box with a blue title bar and a close button (X) in the top right corner. The dialog is divided into several sections. On the left, there are three dropdown menus: 'Submit values from:' set to 'form1', 'Connection:' set to 'botartists', and 'Insert table:' set to 'artists'. Below these is a 'Columns:' section with a list box containing the following text:
'ID' Is an Unused Primary Key.
'firstname' Gets Value From 'FORM.firstname' as 'Text'
'lastname' Gets Value From 'FORM.lastname' as 'Text'
'tell' Gets Value From 'FORM.tell' as 'Text'
'email' Gets Value From 'FORM.email' as 'Text'
'URLown' Gets Value From 'FORM.URLown' as 'Text'
'URLBotArt' Gets Value From 'FORM.URLbotArt' as 'Text'
Below the list box are two more dropdown menus: 'Value:' set to 'None' and 'Submit as:' set to 'Text'. At the bottom left, there is a text field labeled 'After inserting, go to:' followed by a 'Browse...' button. On the right side of the dialog, there are three buttons: 'OK', 'Cancel', and 'Help'.

Insert Record

Submit values from: form1

Connection: botartists

Insert table: artists

Columns:

- 'ID' Is an Unused Primary Key.
- 'firstname' Gets Value From 'FORM.firstname' as 'Text'
- 'lastname' Gets Value From 'FORM.lastname' as 'Text'
- 'tell' Gets Value From 'FORM.tell' as 'Text'
- 'email' Gets Value From 'FORM.email' as 'Text'
- 'URLown' Gets Value From 'FORM.URLown' as 'Text'
- 'URLBotArt' Gets Value From 'FORM.URLbotArt' as 'Text'

Value: None

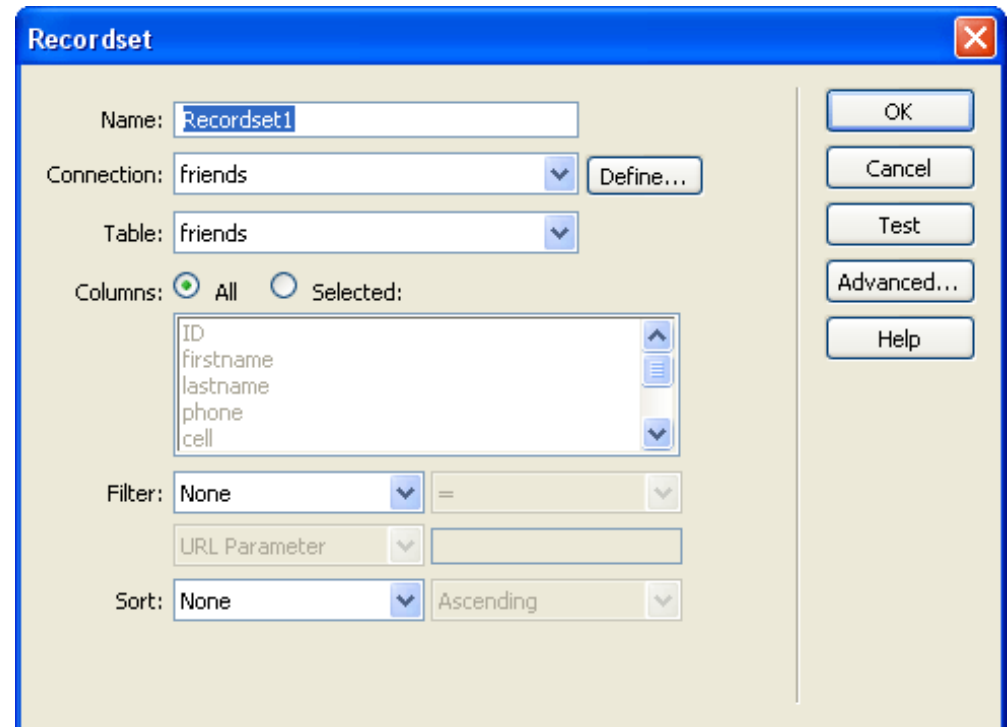
Submit as: Text

After inserting, go to: Browse...

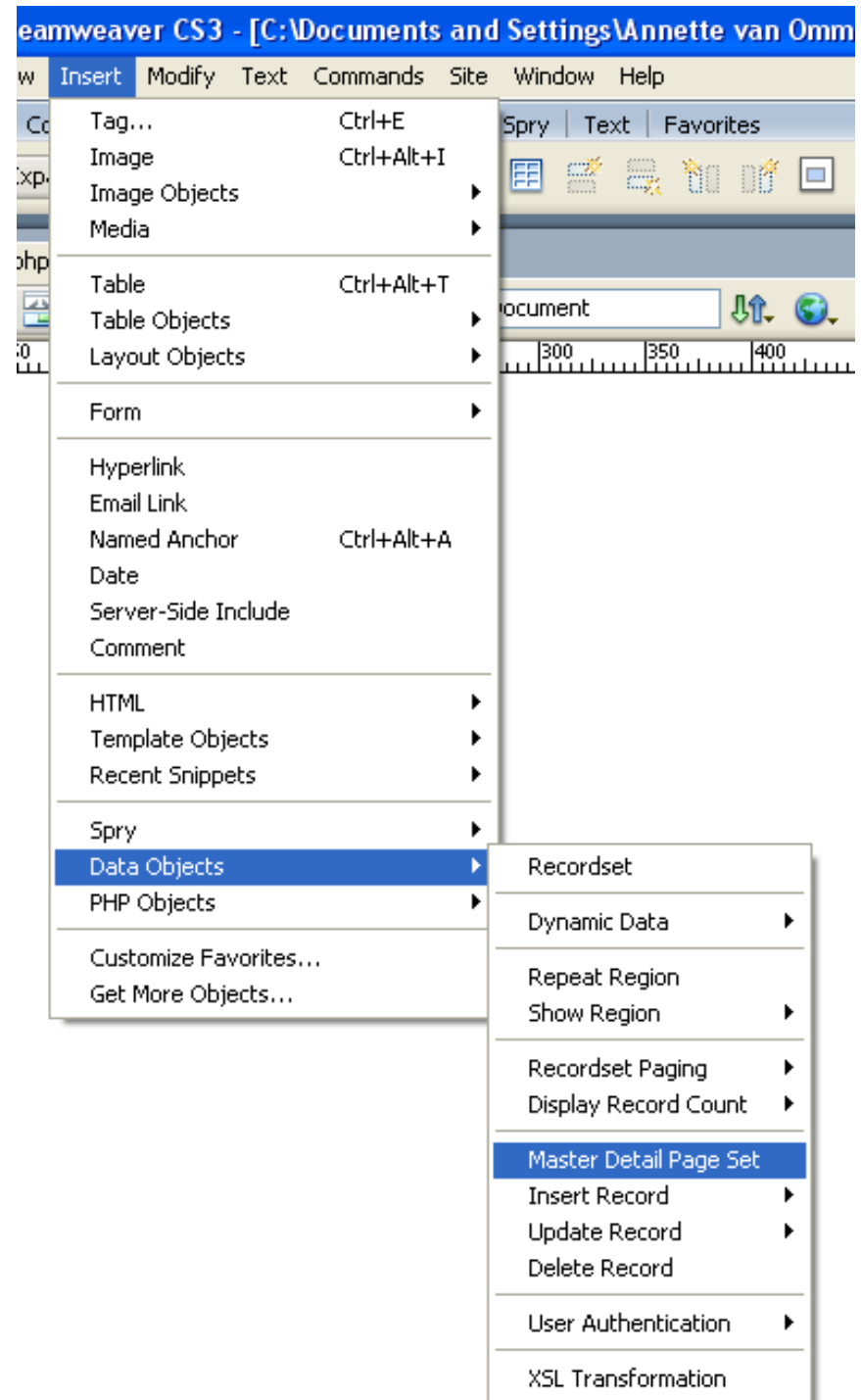
OK Cancel Help

DW Master-detail page set – 2 pages, main with list, linking to detail page

- Save a new page: “Master.php”
- Add new recordset under Bindings panel + sign
- Select the table and keep ALL fields selected as they are needed for the 2nd page.



- Insert/Data Objects/
Master Detail page
Set



Set specs

- In top area, choose fields to show, and delete the rest. Set field to be the link to the detail page.
- In bottom area, set link to detail page
- Pick fields to show on the details page - ok.
- DW makes the extra page with the table for results.
- To set the record name above the details shown, locate cursor in spot, go to bindings panel, and drag the required thing into the page. It will show the relevant information for that field.

The screenshot shows the 'Insert Master-Detail Page Set' dialog box. It has a blue title bar with a close button. The main area is light beige. On the right side, there are three buttons: 'OK', 'Cancel', and 'Help'. The 'Recordset' dropdown is set to 'Recordset1'. Below it, the 'Master page fields' section has a list box containing 'ID', 'firstname', 'lastname', 'phone', 'cell', and 'email'. The 'ID' field is selected. To the right of the list box are '+' and '-' buttons and up/down arrow buttons. Below the list box, the 'Link to detail from:' dropdown is set to 'ID', and the 'Pass unique key:' dropdown is also set to 'ID'. The 'Show:' section has two radio buttons: '10 Records at a time' (selected) and 'All records'. Below this, the 'Detail page name:' text box is empty, followed by a 'Browse...' button. The 'Detail page fields' section has a list box containing the same fields as the master page: 'ID', 'firstname', 'lastname', 'phone', 'cell', and 'email'. The 'ID' field is selected. To the right of this list box are '+' and '-' buttons and up/down arrow buttons.

Server behaviors

- Update record server behavior
- Authentication
- Logging in & logging out
- Access levels
- More in the DW Server Behaviors panel

Essential links

- <http://www.php.net/>
- <http://www.phpmyadmin.net/>
- <http://httpd.apache.org/download.cgi>
- <http://dev.mysql.com/downloads/>
- Test site:
 - <http://www.annagraphics.com/sigmembers/login.php> (*Very rudimentary!*)

Helpful links

- http://www.adobe.com/devnet/dreamweaver/articles/setting_up_php.html
- <http://www.adobe.com/devnet/dreamweaver/php.html>
- <http://devzone.zend.com/node/view/id/627>
- <http://us.php.net/manual/en/index.php>
- <http://www.webhosting.uk.com/phpmyadmin-tutorials.php>
- <http://www.thesitewizard.com/php/index.shtml>

.htaccess

- Subject for another meeting.. But read about it here:
- <http://www.javascriptkit.com/howto/htaccess.shtml>
- *If anyone understands .htaccess consider explaining it at a future meeting?*