

Welcome to the DBTS Form Processor, DBTS Preview and DBTS reCAPTCHA suite of WYSIWYG WB6 Extensions!

DB Technosystems is well known for quality, custom made software. The main fields of application are database driven scripts like membership scripts, Shopping Carts, directory scripts and other similar.

The WB6 Form Processor extension is the result of a continuously rising request for a simple, trouble free, multi featured form processing script. It is essential, but flexible and powerful. The output is highly customizable and it will be enriched with additional features in the near future.

The DBTS Preview is a completely customizable extension that works with the DBTS Form Processor Extension. It will allow you to create Preview Pages and Data Merge Confirmation Pages simply dragging the Preview Object in your pages.

The DBTS reCAPTCHA is a very simple extension that allows you to embed the famous reCAPTCHA in your forms with just a few mouse clicks.

In the next pages you will find the complete installation and usage instructions. Please read them carefully and you will be able to install and use it in just a few minutes.

Thank you
DBTechnosystems.com

Requirements

DBTS Form Processor and DBTS Preview only require PHP 4.3 or higher support.

Safe Mode must be OFF and the folder in which they are used should have read and write permissions if you want to take advantage of the advanced features like file storage and file uploads.

Installation

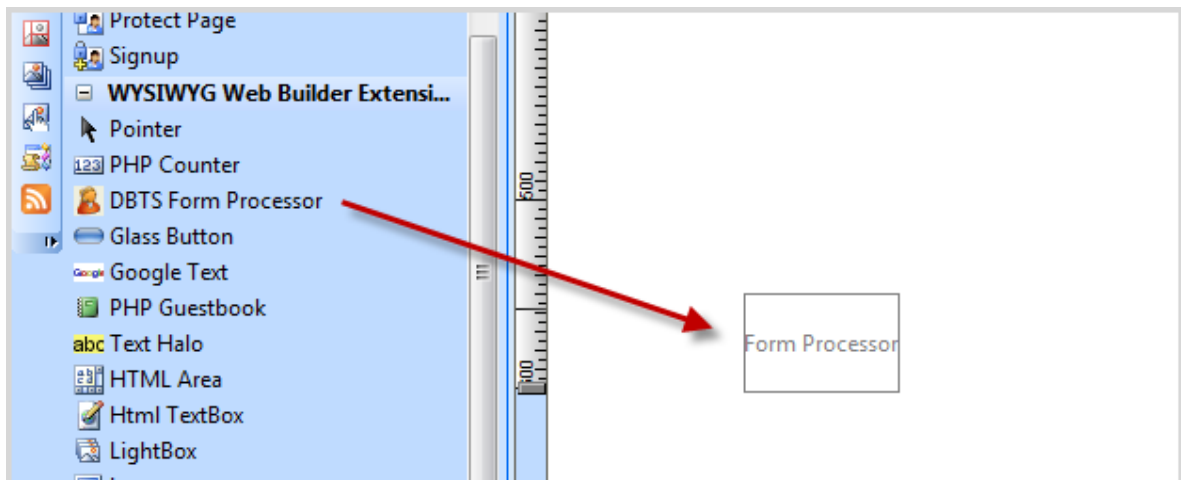
The DBTS Form processor and DBTS Preview extensions for WB6 are installed just as any other WB extension: you simply copy the "form_processor.wbx" and "preview.wbx" files in your WYSIWYG WB6 installation folder on your computer.

Features

The DBTS Form processor extension allows you to process forms created with WB6. However, if you create a blank page and add the DBTS Form Processor object in it, you can use it to process any other submission from any of your pages or even from another website. It will add the necessary PHP code in the Start of Page of your page code. This code will process the form submission, if a submission has taken place, or will remain inert if no submission has taken place.

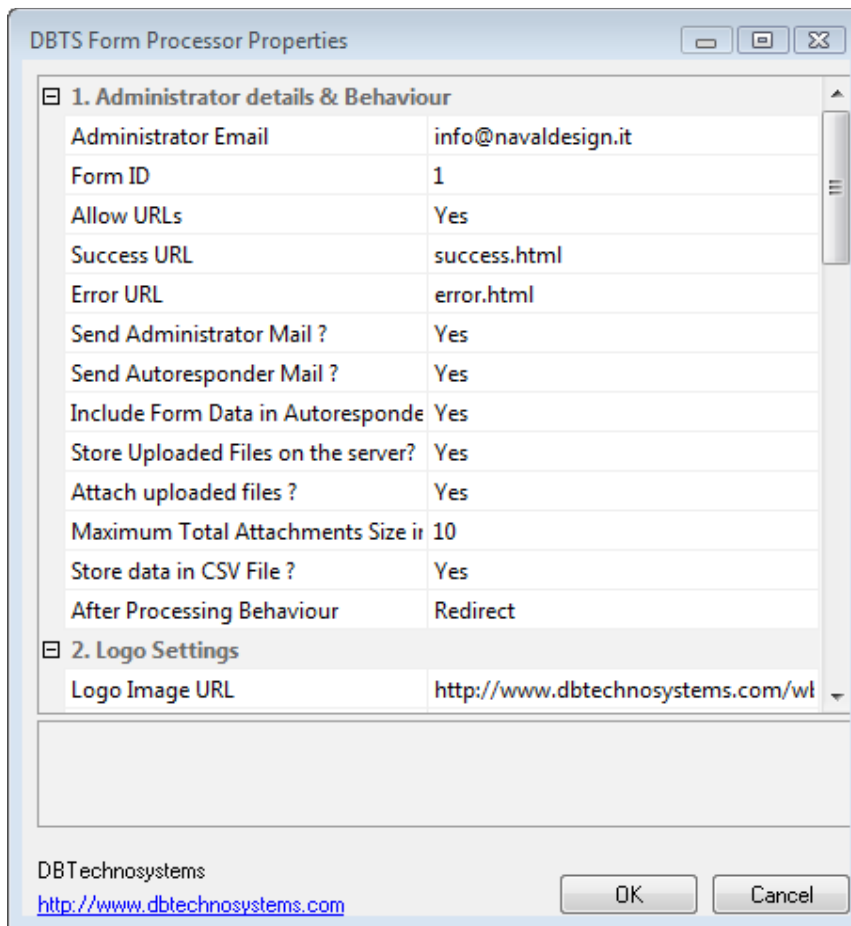
Using the DBTS Form Processor Extension

The DBTS Form processor extension will add an icon in your extensions Toolbar.



To use the extension simply click and place the Form Processor object in your page. The position can be anywhere, as there is no visual output in the published page.

To setup the processor properties double click the Form processor Object so the properties dialog box will appear:



The first settings are those relevant to the Administrator and the script behavior.

A. Administrator Details and Behavior:

1. Administrator Email: Here you can set the email address where you will receive the form data. You can feed in multiple email addresses, separated by a comma.
2. Alternative "From" email address: **This is a new concept in form processing. DBTS Form Processor is the only form processor worldwide that has adopted this technique.** The reason for the existence of this, is simple. If a visitor doesn't fill in his email address but you want the info to be emailed to you anyway, the script will email it. However, if no "from" email address exists, in most cases the mail will be blocked by your ISP. This issue has been faced, till now, with a piece of code that used your own email address as "from" address. However, spammers usually use your own email address as "from". This has obliged ISPs to add a special filter that will reject emails that have the same "from" and "to" email addresses. This is the reason why we have added this alternative "from" email address. It is not necessary that this is a real email address. You can have as "from" something like contactform@yourdomain.com .
3. Allow URLs: Setting it to yes will parse the URLs in active links. Please note that this will only happen if your visitor types the http:// .
4. Form ID: DBTS Form Processor allows you multiple forms on the same page. If you want to have multiple forms, EACH form must include a

hidden field, named **formid** (case sensitive) . Its value MUST be the same as the Form ID value that you will type in this field of the Form Processor. We STRONGLY recommend that you use a form ID string (number or alphanumeric string, no special characters or symbols) or your processor will process any submission.

5. Success URL and error URL: these are the urls of the pages where the script will redirect in case of successful processing or in case of error. Please note that the script will only redirect to the success page if you have set it to redirect. This is because for some applications, you might simply want the script to exit. Please note that to have a correct error reporting ,the error page should have the following text in it: ##error##

This text will be replaced by the actual error message. Make the text box large enough.

6. Send Administrator Email: you can select whether or not you want the script to send you an email.
7. Send Autoresponder email: you can select whether or not you want the script to send an automated autoresponder email to the visitor that has submitted your form. This email will be suppressed, even if set to yes, if no visitor email is found.
8. Include Info in the Autoresponder email: you can select if the autoresponder email should include a copy of the info submitted. Please note that for uploaded files the script will display only the file name without revealing the path where the files have been stored.
9. Store Uploaded files on the server: Select if you want the uploaded files to be stored on the server. If you allow uploads, we STRONGLY recommend that you store them on the server, just in case your ISP blocks the mail with the attachments due to oversize.
10. Attachments: you can select to receive the uploaded files as attachments to your email.
11. Maximum Total Attachments Size: If you know what's the limit for email size that your ISP allows, you can set this limit here. If the Total Attachments Size is higher, the script will not attach the files to avoid your email been blocked.
12. Store Data in CSV File: you can select if you wish the data to be stored in a CSV file on the server. Please note that the script will add three specific fields to the records stored in the file: Submission Date, IP Address, and Timestamp. Also please note that the files created include, for your convenience, the field names. If, in the future, you add further fields, the script will add the new field names automatically.
13. Store Data in the Database: This new feature will allow you to store data directly from your form into a database table. You will need to create the database and the user / password, and grant this user the necessary permissions. You don't need to create the table, the script will modify it for you. It will also add more columns in the table, if in the future you add fields in the form.
14. After Processing Behavior: you can select if you wish to **Redirect** to another page, **Include** another script or page, or simply **Exit** the script.

15. Page or script to include before Script end: This is the script that will be included just before the script end if in the After Processing Behavior you have selected "Include". There is an "exit" command AFTER the include. Use this if, in example, you want to include a Preview Page.
16. Copy Field Values in Session / Copy Session values in Fields (there on referred to (for briefness) as **Copy in Session / Copy from Session**). This feature will allow you to copy the POST keys and values into session variables. This allows for many tasks to be performed. The simplest one is Multipage Forms! You can create your forms normally and simply process them with our processor. If this is the first form of the Multipage form, you should set the script to do NOTHING except than "Copy in Session". If it is an intermediate form, you should disable all other features and only enable BOTH "Copy in Session" and "Copy from Session". Last, if this is the last page of the Multipage form, you should perform all other necessary tasks (mails, storing etc) and enable the "Copy from Session".
17. Clear Session Values before Ending (there on referred to (for briefness) as **Clear Session**): If you are using the two previous features, it is wise that you clear the session values just at the last page of your multipage form or your Preview Page.

Generally speaking, if your data MUST remain available in the memory for further processing, this must be set to "No". If, instead, the data must be cleared from the memory after processing is done, the "Clear Session" value must be "No".
18. Force reCAPTCHA: Setting this to "Yes" will force the DBTS Form Processor to check and verify the reCAPTCHA field value. reCAPTCHA is considered one of the best captcha webservises, offering a high level of security. To use reCAPTCHA you need to first create a reCAPTCHA account, and generate your Private and Public Keys. To do so please visit <http://recaptcha.net/>
19. Captcha Rewrite: This feature ONLY regards the standard WB6 captcha. DBTS Form Processor will work with the standard WB6 captcha as it uses its own verification mechanism before the processor even comes into scene. However, in this case, the Wrong Code message would appear in a rather ugly white page, with a "Back" link. Further more, if we left it like this, we would not be able to use the method described in the "Tips & Tricks" section to make our form preserve the values that have been filled in, in case of wrong captcha. This is why we have added this "Captcha Rewrite" feature.

Setting this to "Yes" will result in rewriting the entire page on the server without the default verification code. This way the DBTS Form Processor built in captcha verification will become active. It will also abort the default white error message page that is displayed, and will use instead your own error page to report the error in the captcha. Also note that this replacement will ONLY take place in occasion of the **first successful submission** through the form, so it is wise that you test the form yourself, so this replacement takes place. If, at some point, you republish the page, please repeat the procedure.

Don't set this to "Yes" if you are using reCAPTCHA.
20. Timezone: you can set your timezone so the times / dates captured by the script will be correct for your country / timezone and not the default

(server) ones. For a list of valid timezone settings, please visit <http://it2.php.net/manual/en/timezones.php>

B. Logo Settings:

You can add your own logo image on top of the emails created by the script. The necessary settings are:

Image URL: your image MUST be hosted in the same or a subfolder of the folder where your form is, and you need to provide the RELATIVE path. In example, if the image is in the same folder as the form, the value will be simply "logo.jpg". If it is in a subfolder called "images", you must type in "images/logo.jpg".
Alternative text : this is just the same as the alternative text for images in your website pages.

Link: you can link the logo image to your site or whatever other site you like.

Logo Area Background Color: you can set the background color.

Logo image Horizontal Alignment: can be set to left, center, right.

Please note that the image will be embedded in the mail itself, so neither you or your visitor will not have annoying warnings from your email clients.

C. Visual Settings:

The extension creates a table with the submitted info as well as the headers and footers of your choice.

The mail table that is created has 5 areas:

1. The Logo area (optional)
2. The header area (optional)
3. The info area (optional in the Autoresponder)
4. The footer area (optional)
5. The technical info area (optional)

Please refer to the following image to see what each area contains:

Logo Area

db Technosystems

There has been a new submission from our Extension Demo Form. Here is the info submitted:

First Name	George
Last Name	Naval
Address	My Address
City	Los Angeles
State	FL
Country	United States
Site	http://www.dbtechnosystems.com
Email	info@navaldesign.it
Telephone	33333333
Fax	44444444
Mobile	55555555
Comments	Testing the new Form Processor Extension
Priority	Normal
Answer By	Land line
How Did You Find Us	WYSIWYG WB Forum
Please review and act accordingly.	
Time of submission :	Wednesday 15th July 2009, 3:34 PM
Browser :	Mozilla/4.0 (compatible; MSIE 7.0; Windows NT 6.0; GTB6; Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1; SV1) ; SLCC1; .NET CLR 2.0.50727; OfficeLiveConnector.1.3; OfficeLivePatch.0.0; .NET CLR 3.5.30729; .NET CLR 3.0.30618)
IP Address :	79.55.160.173

For each of these areas, you can set the Text color and the background color.

For the info area and the technical info area, you can set separately the color and the background color,

The last section, Visitor Info Area, has the same settings of the Form Data Area.

You can also set the page background color, though this will only be visible if you use a desktop email client, as webmail software doesn't yet support, in most cases, CSS.

You can set the width, cellspacing, cellpadding, border width and color of the table that is created.

D. - E. Mail settings and Autoresponder settings:

As we already explained, the mails created have a header, a form data and a footer section.

The form data section is created automatically by the form processor and it includes the form submitted info.

The Header and the Footer text is customizable for both mails, and this is where you can set this text.

Please note that since the Extension Builder doesn't support a "Text Area" like field for options, the only way to create a multiline text is to use "\n" at the end of each line.

For the autoresponder "From" you can use any email address you like, or even a no_reply@yourdomain.com address. It's up to you.

You can disable the inclusion of the visitor IP address, browser and Time of Submission info, disabling these features in the email settings.

Newly added feature: You can now select if you want to send out Text or HTML emails. By default the script will send out HTML emails.

F. File Uploads:

Here you can set the allowed file extensions, the maximum filesize, the folder (it will be autocreated) where the files will be uploaded, and (we strongly recommend) whether to add a security prefix to the file names. A security prefix will protect you from hackers that will try to upload a file on your site and then try to run it. Please note that the WB validation for file extensions is Javascript, so it will not protect you from someone that has Javascript disabled in his browser. Also name your "uploads" folder something strange.

In the near future we plan to add PHP validation to the script for most possible validation types.

The script will include the path (download URL) of the uploaded files in the Administrator's email.

Please note that the script will ONLY accept files whose extensions are included in the list of allowed extensions. File extensions are case insensitive, so there is no issue with files having extensions in lower or uppercase characters.

Important Security Notice: PLEASE do NOT open files on your browser if the file extension seems strange or you don't know it. Do NOT open in your browser uploaded file links if the extension is something like asp, php, js, exe, or ANYTHING else that you don't know if it is secure. It will be better to download them with FTP and examine them on your own computer.

G. CSV File Form Data Storage:

You can set the script to store the form submissions in a file on your hosting account.

If you select to do so, you can also select the type of file you want to be created, among the following two types:

- a. CSV for Excel: this file type uses ";" as field delimiter, and when opened in MS Excel will display each field value in its own column.
- b. CSV (normal): will store the info in a normal, comma separated values file. This file can be opened in Excel, but each submission will occupy one line.

Please note that the script will add Date of Submission, IP Address and Timestamp at the beginning of each record. It will also add the Columns (fields) names. In case new fields are added in the future, it will update the column names adding the new columns as required.

Uploaded files are displayed as URLs in the csv file.

H. Database Storing:

You can set the script to store the info submitted in a database table. In this section, you can provide the necessary database details: Database name, Table name, username and password, as well as Database Host. Please consult your hosting company documentation on creating a MySQL Database.

The script will autcreate the table if it doesn't exist, and will automatically add columns if necessary. Please do NOT use whitespaces or symbols for the table name.

I. Mail Engine Settings:

The script uses the famous PHPMailer Class as mailing engine. This class allows mailing using the following modes:

Mail() function

SMTP with or without authentication

Sendmail and Qmail

Using authenticated SMTP you can even use your Gmail account if you wish. However I don't see why, if your hosting account allows you to send SMTP mails.

Authenticated SMTP means that the mailserver will verify the SMTP "from" email address and password. This email address MUST exist, so you SHOULD create an email address, if you haven't yet setup one, and use that email address and its password as SMTP "from" email address and "password".

By default the script will try to use the mail() function.

SSL: you can now use SSL for the mailserver if required. Just check the relevant option.

Includes (Advanced Users Only!):

The Extension allows you to specify the relative path (in relationship to the script location) of (mainly PHP) files that can be included in strategic points of the original code. These are:

1. Start of script
2. Before Form Data reception
3. After Form Data reception
4. Before Error reporting
5. Before emailing the Administrator
6. Before emailing the user (if autoresponder is enabled)
7. End of script, before redirection to the success page.

This way you can perform lots of actions using your own code and including it in the most appropriate position inside the original code. Please take a look at the "Tips & Tricks" section to see classic use of includes.

Form settings:

The form page **MUST** be published as PHP.

The form action **MUST** be set to be "`<? echo $_SERVER['PHP_SELF'];?>`"

The form encoding type **MUST** be "multipart/form-data"

The visitors email field **MUST** be named "email" (case sensitive)

The submit button **MUST** be named "submit" though its value can be anything (like "Send", "Send Info Now" or anything else).

Reserved field names:

You can **NOT** use the following field names as they are reserved for the script internal scopes- Most common are:

formid , count , captcha_code, Submission Date, IP Address, Timestamp, File, Autoresponder, bodystart, bodyend, subject, username (dedicated for use with the WB6 login script).

Please look at Annex A for a detailed list of script internal variable names.

Using the DBTS Preview Extension

The DBTS Preview will create in your page a table with the info submitted by a form to the DBTS Form Processor.

To use it, simply drag the DBTS Preview Object in your page.

Double click it and type your Private and your Public Keys.

Set the visual properties as required.

Tip: To create thin borders, set the table border to 0. Set the table background to the color the "border" should have, and set cellspacing to 1. This will force cells 1 px apart, and the table background will appear as a 1 px border.

For the DBTS Preview Extension to work, you MUST have set the DBTS Form Processor, in the form page, to have the "Copy in Session" to "Yes" and the "Clear Session" set to "No".

The DBTS Preview Object will allow you to create a table formatted Preview or Confirmation page.

To create instead a free layout with Data merging, please follow instructions provided in the **Tips & Tricks** section.

Using the DBTS reCAPTCHA Extension

The DBTS reCAPTCHA extension allows you to create a reCAPTCHA in your page. Drag the DBTS reCAPTCHA object in your page. The default size that will appear, is that of the following three available themes:

Red theme (default)



White Theme

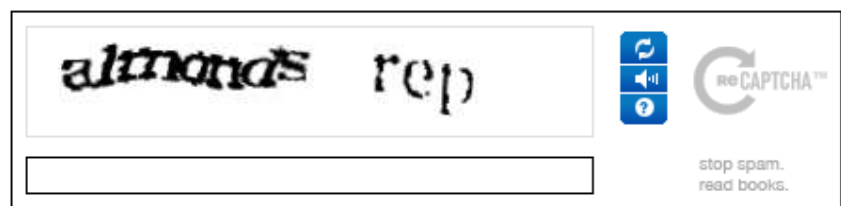


Blackglass theme



The last available theme instead, is "Clean" and is a customizable theme. Please note that this theme is larger than the first three.

Clean theme
(customizable)



The "Clean" theme has 4 visual settings:

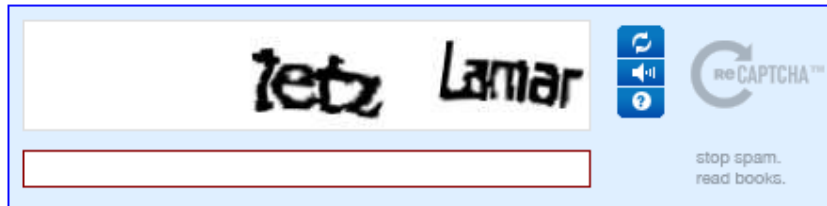
Background color

Border color

Input Field Background Color

Input Field Border Color

Which you can select through the Visual settings of the extension. Below is an example of the "Clean" theme, customized:



Remember to set, in the DBTS Form Processor, the "Force ReCAPTCHA" setting to "Yes".

To use reCAPTCHA you need to first create a reCAPTCHA account, and generate your Private and Public Keys. To do so please visit <http://recaptcha.net/> .

Please note that DBTS reCAPTCHA extension will only work in **php** pages.

Tips & Trics:

Setting up correctly your forms field names:

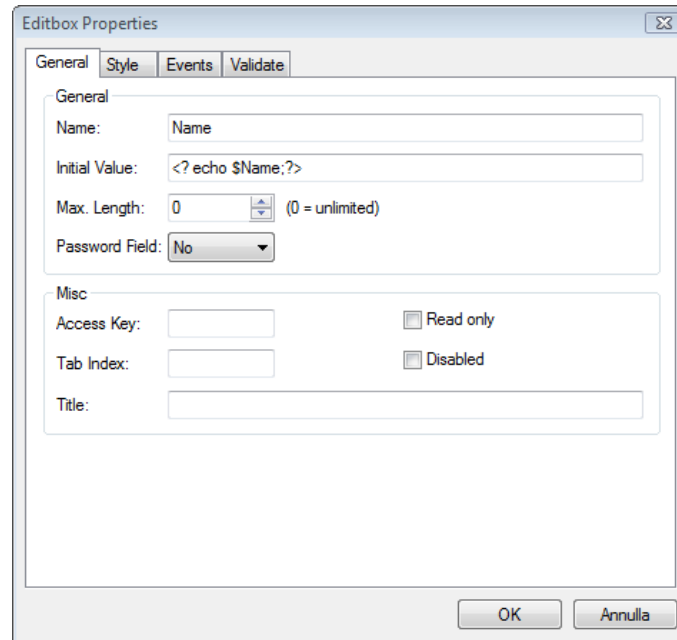
Though you may name your fields (almost) whatever you like, please take this piece of advice: **ONLY use field names that don't contain whitespaces or symbols. Don't use quotes ' or double quotes " . Don't use whitespaces, use underscores. They will be stripped of by the script before output (and will avoid you LOTS of troubles). Don't use special characters and symbols like "@", "\$", "<", ">", "-", "\" and dots. Some of the advanced features of this processor make use of specific PHP functions. The above characters / symbols have a particular meaning for PHP and might cause unexpected behavior.**

Preserving your form values after submission with wrong captcha value:

Well, this has been a general request by WB users. Having a captcha in your page unfortunately affects the "Back" feature of browsers, meaning that they don't preserve the filled in values. Unfortunately this is not possible with the captcha verification code that WB adds to the page, because WB places the relevant code before anything else in the page, so it doesn't leave any margin for other code to take control. So you need to set, in the DBTS Form Processor, the "Rewrite Captcha" to "Yes". This will remove from your page the code automatically added by WB and will activate the internal DBTS Form Processor verification code, which is practically the same, but uses your Error Page to report the wrong code error.

To make your form preserve the data submitted when returning to the form after a wrong captcha submission (or any other error) you need to act on your form fields as follows:

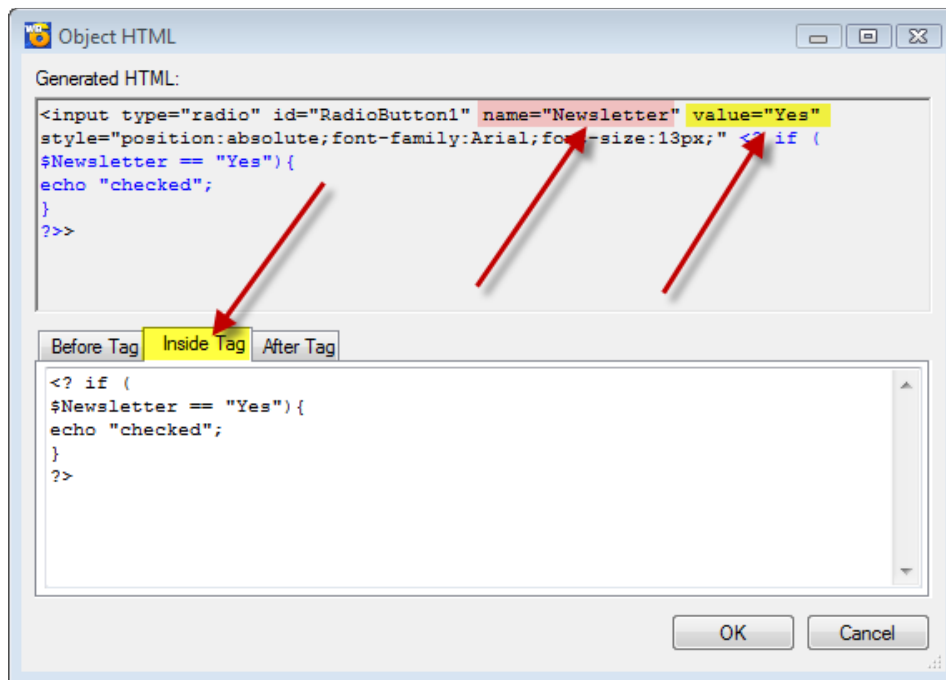
1. Text Fields and Text Areas: Just fill in the "Initial Value" field, the code: `<? echo $Name;?>` where Name is the field name



2. Radio Buttons and checkboxes: Here we have a bit of a more complicated situation. Originally, the radio Button or Checkbox must NOT be selected. If you make a Radio button or a checkbox selected right from the start, you can not make it "remember" the user selected status, as the "selected" status you have originally set will override any choice made by the visitor. With this said, you must right click the radio or check button, and paste the following code in the Inside Tag of it's HTML:

```
<? if (  
$Newsletter == "Yes"){  
echo "checked";  
}  
?>
```

Newsletter is the name of the radio button or checkbox, and Yes is the value that the specific field will have if selected. Look at the image below that better explains this:



3. Drop Down lists (listboxes - comboboxes): this is also another complicated task. First of all, let me say that there is nothing you can do with WB6's listboxes if you have multiple selections enabled, unless you use case-specific code, but this is not what we are doing here. Since listboxes have multiple values to chose from, there is actually no way to make a specific value (or values) selected. So we will do a trick: we will ADD, before all hardcoded values, the one that has been previously selected by the user. To achieve this, right click the listbox and add the following code in the Inside tag of it's HTML:

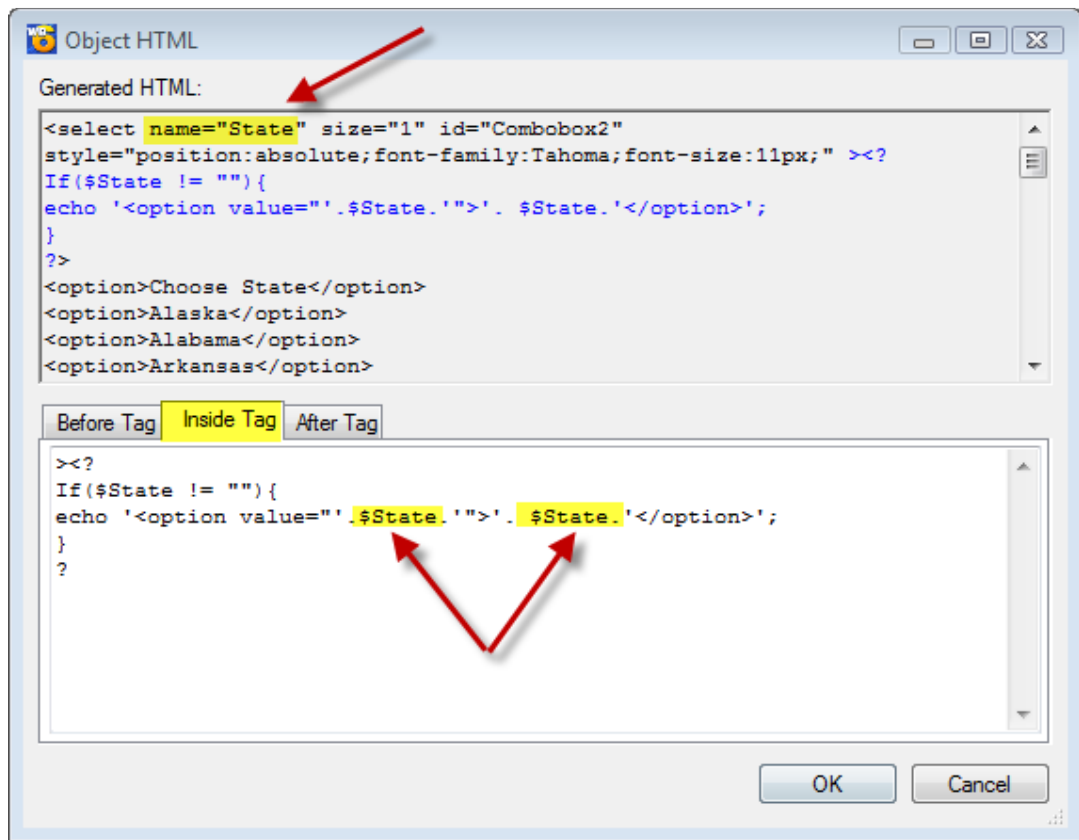
4.

```
><?
If($State != ""){
echo '<option value="'. $State.' '>'. $State.'</option>';
}
?
```

Of course, you must replace the field name used here, **State** with the actual name of your field.

Please note that since we add the submitted value on top of the list, you should NOT set, in the field validation, the "Disallow First Choice" option.

Please refer to the following image so the above result clear:



5. Upload fields: Unfortunately, browsers and Javascript are designed so that upload fields values can not be preset for security reasons.

Creating multipage forms:

This is a very easy task with the DBTS Form Processor.

Create your forms as you would normally do. Please follow the steps described below:

Add the DBTS Form processor object in all forms that contain forms.

Set the form processor **NOT to do anything at all**, in all pages except the last one.

In the first form, set the "Copy in Session" to "Yes".

In intermediate forms, set BOTH the "Copy in Session" and the "Copy From Session" to "Yes"

In the last form page, set the "Copy from Session" to "Yes", and also set the "Clear Session" to "Yes".

The last page will have in "memory" all the field values posted by all pages, in the correct order. So you can, in this last page, set all the actions that the processor should perform, like emailing, uploading files, storing in file and / or DB, etc.

Limitation: If you want to allow file uploads in a multipage form, the file upload fields MUST be in the last page form.

You should set the "After Processing" behavior of each form, to be "Redirect" and its "Success URL" should be the next form page.

Creating a Success Page that contains the submitted data (data merge):

As we have already seen, **if you want your visitor's submitted info formatted in a table, you can simply use the DBTS Preview Object.** However, sometimes, you might prefer a free layout that will contain the submitted info.

DBTS Preview makes available the info submitted, just before the script end. If, in example, you have an editbox named "Name", the php variable \$Name contains the value submitted by the visitor. It is essential that the success page is published as .php

Let's suppose that you have named your success page "success", so you have published it as "success.php".

To display the value of this (and any other) variable in a WB page, it is enough to do the following:

a) Form Page:

Set the DBTS Form Processor to do what you want: emails, csv storage, database storage etc. Set the "Copy in Session" to "Yes" and set the "Success Url" to be your success page. Set the "Clear Session" to "No".

b) Success Page:

Add the DBTS Preview object in the page. Since you don't want the standard info display table, but you want a free layout, set the "Display Info Table" to "No".

Add the text you like to display containing the variable, just as in the following line:

Hello **'.\$Name.'**, thank you for your submission. **'**

Right click the text, and add the following in the Before Tag:

```
<?  
echo '
```

and in the After Tag:

```
;  
?>
```

Please pay attention to the single quotes and the dots.

Add as many variables as you like.

Please note that if you have used fields consisting in more than one words, with whitespaces between them, the variables will have underscores between the words. In example, for a field named "How did you find us" the relevant variable will be "\$How_did_you_find_us"
Save the page and publish it. It is important that it is published as .php.

That's all. The script will process the info and it will redirect to the success page that you have published, and if it is correctly built, will display the values submitted by the visitor.

Creating a Preview Page before Final Submission

Sometimes it is necessary that the user reviews his input just before he makes the final submission. It is simple enough with DBTS Form Processor and DBTS Preview.

In the form page add the DBTS Form Processor Object and only set "Copy in Session" to "Yes", without any further processing. Set its "Success URL" to be the Preview page.

In the preview page, add the DBTS Preview object. Double click it to set the visual properties as desired, so it will display the submitted values. **Under the DBTS Preview Object add an empty form object.** In this form add ONLY a submit button, and a "Back" button so that the user can go back in the first page if the info needs editing. It is not necessary that it actually is a "Back" button, it can be a simple link button or text or image linked to form page. All of the above will work.

Since we want the data to remain available to the Form Processor for the final submission, set the "Clear Session" setting to "No".

Add the DBTS Form Processor Object and set it to do what you want (mail, autoresponder, etc).

Set the "Copy From Session" to "Yes".

Set the "Clear Session" to "Yes" so it will clear the session values after this final submission.

That's all, you are ready!

Support:

Contact us at info@dbtechnosystems.com . But please first read this manual carefully, the answer to your question is probably already contained in this manual.

Support that goes BEYOND simple email help and requires entering your hosting account to solve any issues, can only be provided on an agreed upon, paid for, basis.

License:

The PHP code used in this extension has been developed by DB Technosystems.com . The extension is freely available to all WB users, and can be embedded in any work, personal or commercial. You are not allowed to redistribute or sell this extension. Please address to our download page anyone interested in using this extension:

http://www.dbtechnosystems.com/wb6/forms/dbts_form_processor.php

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Credits:

1. Credits go to Pablo Software Solutions for making (and further improving) their Extension Builder! And for continuously improving their WYSIWYG WB6. Cudos!
2. The mailing engine originally coded has proven insufficient to cover ALL cases. So we used the famous PHPMailer class to make sure that everything will get along just fine. Please visit

<http://phpmailer.worxware.com/index.php?pg=phpmailer>

for more info.

3. Many thanks to the WB Forum Users that have provided feedback! Without this feedback it wouldn't have been possible taking the script to this level.

Have fun!

George (Forum nickname Navaldesign)