BF Quiz Plus User Guide The user guide for BF Quiz Plus

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BF Quiz Plus User Guide: The user guide for BF Quiz Plus Tim Plummer Publication date December 2013 Copyright © 2013 Tamlyn Software

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Chapter 1. Introducing BF Quiz Plus

1. Introduction

1.1. What is BF Quiz Plus

BF Quiz Plus is a quiz extension for Joomla 2.5.x and Joomla 3.x.

2. Installation

2.1. Installation - New Install

BF Quiz Plus is installed the same way that most extensions are, via the back end.

• Extensions->Extension Manager

Browse for the install package then click Upload & Install

You should see "Install Component Success" message.

2.2. Installaion - Upgrade

BF Quiz Plus uses the upgrade install method, so you can install over the top of previous versions.

Warning

Do not uninstall BF Quiz Plus prior to upgrading, as you will loose all your data.

It is always a good idea to do a full site backup prior to installing any new software versions. I recommend using Akeeba Backup.

Best practice is to install any new software on a development copy of your site, and fully test prior to upgrading the live site.

Chapter 2. Configuration

1. Setting up categories

Each quiz is a set of questions grouped together in the same category, so the first step to setting up your quiz is to create a category.

· Components->BF Quiz Plus->Categories

Just fill in the title and click save. The other standard Joomla category fields are not used by BF Quiz Plus.

2. Setting up questions

To add questions to your quiz, go to

• Components->BF Quiz Plus->Questions

Press New button to create a new question

Select the category for your question (effectively which quiz will this appear in)

All the fields with asterix next to them are mandatory and must be fill in before you can save the question.

For users that have previously used BF Quiz for Joomla 1.5, you will notice that some of the more advanced fields have been moved into the expandable section called Advanced on the right hand side below the options.

The below sections go into detail about each of the fields on the question form.

2.1. Category

This determines which quiz the question will appear in.

2.2. Question

The question field is the actual text of the question you are adding.

2.3. Help Text

The help text field is optional and allows you to display text between the question and the options. You can insert any HTML you like here including images, and as this is displayed using the on content prepare, you can also insert any plugin you would normally add in an article, for example you can use allvideos to display video or audio.

2.4. Field Name

The Field Name field is the actual field that will be created in the MySQL table to store the answers to this question. As this is a MySQL field, you cannot use spaces or special characters such as backslash (\), asterix (*) etc. You can use any alphanumeric characters and underscores. To avoid problems with exporting to excel, it is best to start and finish your field with an alphabetic character.

2.4.1. DB Field Name - naming standards

The name you chosse for the DB Field Name for each question should obey these rules:

- must be unique (for that quiz category)
- must not contain spaces, dashes, or other punctuation or special characters
- you cannot use reserved words such as "like" or "where". For full list of reserved words, please refer to http://dev.mysql.com/doc/refman/5.1/en/reserved-words.html

2.5. Question Type

Question Type is the type of question you would like. If you want the user to only select one option, then radio question type is usually the best. If you want a short free text entry, choose text question type. Checkbox is used when you want the user to select one or more options. Textarea is for multiple lines of text input.

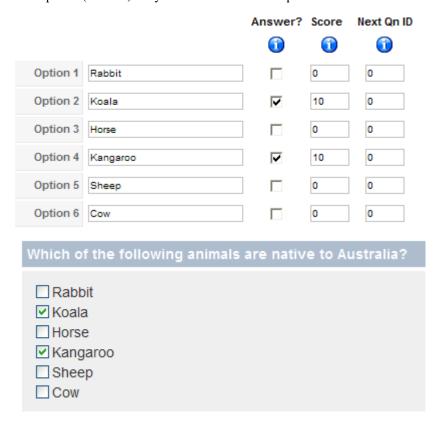
2.5.1. Checkbox Question Type

The checkbox question type allows you to have multi choice questions.



The correct answer can be just one option like radio question type, or you can choose multiple values that must be select to get the question correct.

In the example below, to get the answer correct you need to select both Koala and Kangaroo, which will give a score of 20 points (10 + 10). Any other combination of options will be incorrect.



Thank you again for completing this quiz.
Congratulations, your score is: 20
If you only select one of the correct answers, the overall question is not correct so you still get a score of zero.
Which of the following animals are native to Australia? □ Rabbit □ Koala □ Horse □ Kangaroo □ Sheep □ Cow
Thank you again for completing this quiz.
Congratulations, your score is: 0
Please review your incorrect answers below:
Which of the following animals are native to Australia?
Your answer of Koala was incorrect. Correct answer is: KoalaKangaroo
If you select the correct answers but select other options too, then your answer is also incorrect (to be correct it must exactly match the correct answers only).
Which of the following animals are native to Australia?
□ Rabbit □ Koala □ Horse □ Kangaroo □ Sheep □ Cow

Thank you again for completing this quiz.

Congratulations, your score is: 0

Please review your incorrect answers below:

Which of the following animals are native to Australia?

Your answer of KoalaHorseKangarooSheep was incorrect. Correct answer is: **KoalaKangaroo**

2.6. Status

Only published questions will appear on the front end, so normally you would set this to published.

2.7. Mandatory

Mandatory is where you want to force the user to enter something or select something. Any question that is not mandatory could potentially be left blank by the user. Please note: the mootools form validation built into Joomla core does not validate checkbox or radio question types, so you need to install our free extension BF Validate Plus which extends the validation types available for your site.

2.8. Parent item

The parent item can be used to control how many questions are on each page. For example, you may want three questions on the first page, five on the second, and four on the next. This can be achieved using the parent child grouping which is the parent item field on the question.

The parent item allows you to group multiple questions together for the multipage views. Any question that is set to top will appear first on a page, and any other questions with that question as the parent will also appear on the same page.

Notice how the child items are indented slightly in a similar way to Joomla sub menu items. You can only have one level of parent and child, you can't have child items of child items. Also the parent and the child item must be in the same category. Each parent item can have as many child questions as you like. The parent child grouping has no impact on the all questions on one page view, it only works for the default multipage view and the save as you go view which is also multiple pages.

It should be noted that when you are using conditional branching (next question id), **the last question on the page will determine the next question**. Any conditional branching in other questions on the same page will be ignored.

If your next question id refers to a child item, as the parent is skipped, the child will appear on the page by itself. All subsequent child items in that group will appear one question per page, until the next parent question is displayed, which will have its child questions on the page too.

When you add a child question from a different category, it inherits the category from the parent.

If you change the category of the parent question, all child questions will also have their category changed.

There are only two levels, parent and children. You cannot have children of children.

A parent question with children cannot be changed to be a child of a different parent question. You must first remove all the children questions.

In regards to ordering, the first child question will have order of 1, the second child question will have order of 2 etc. This is independent of the ordering of parent items.

2.9. Solution

This is the text that can be shown when the user enters the incorrect answer.

2.10. Options

The options are the choices available for the question.

For radio and checkbox question types, you can use _OTHER_ as the option which will create a text input field.

2.11. Score

This is the score the user will be allocated if the answer is correct.

2.12. Answer

This indicated which option or combination of options contains the correct answer. If you select more than one option as the answer, the respondant must select exactly all those options to get the question correct.

2.13. Next Question ID

This allows you to add conditional branching to your quiz where you can essentially skip questions based on the answer chosen. The question id is shown in the first column on the questions view.

Warning

Note: you should only jump forwards in your quiz, don't jump back and forth.

A next question ID of -1 will terminate the quiz if that option is chosen, and the user will be shown the thank you text at the end.

2.13.1. What is conditional branching?

Basically instead of displaying the questions in order, the next question could branch off in more than one direction depending on the answer chosen.

2.14. Suppress Question

Setting suppress question to yes will hide the question text and just show the options, which can be useful if you want to add more fields to the beginning of your quiz, or also if you want to join several questions together and make them appear as one.

If you want to add additional fields at the beginning of your quiz, just create a normal text question for the first question of the quiz, then set Suppress Question to "Yes". Answer prefix is used for the text before the field. Max answer length of 55 will make the field the same size as existing ones.

2.15. Field Type

The Field Type is the type of field that will be created in the MySQL table. If in doubt, just leave this with the default Text, which can store just about anything. If you want to ensure your database is as efficient as possible, you should select the appropriate data type. For example, if your options are yes and no, you will only ever store a maximum of 3 characters so varchar(3) is going to be more efficient than Text. Unless your database is really big or under a large load, you probably wont notice any performance benefit. Another example is when you only want a numeric input, you might select INT as the field data type.

2.16. Validation Type

The validation type determines how the form validation will work for this question. If mandatory is set to no, then this setting is ignored so it doesn't matter what is set. When mandatory is set to yes, the validation type can be set, and the options available will be different depending on the question type. For example, text fields have required validate-numeric, whereas checkbox will have required validate-checkbox.

For text fields, the default of required will just ensure that the field is not left blank, whereas required validate-email will force the user to enter an email address (please note that it does not check that the email address is valid, it just checks the format, so potentially someone could still enter a fake email address such as test@example.com).

For checkbox question type, you can choose the exact number of options you want selected, for example if you want the user to select exactly three options, you could set required validate-checkbox3 (thiis requires BF Validate Plus plugin is installed and published).

For some question types there is only one validation type available, so it will just say default.

2.17. Horizontal

Note: this field is disabled (text strike thru) for some question types.

This setting allows radio or checkbox options to be displayed horizontally instead of one per line.

2.18. Prefix

This is text that is shown before every option or input field.

2.19. Answer Suffix

This is text that is show after every option.

2.20. OTHER Prefix

When _OTHER_ is used to display a text field within a radio or checkbox question, the _OTHER_ prefix allows you to add text before the text field.

2.21. OTHER_ Suffix

When _OTHER_ is used to display a text field within a radio or checkbox question, the _OTHER_ prefix allows you to add text after the text field.

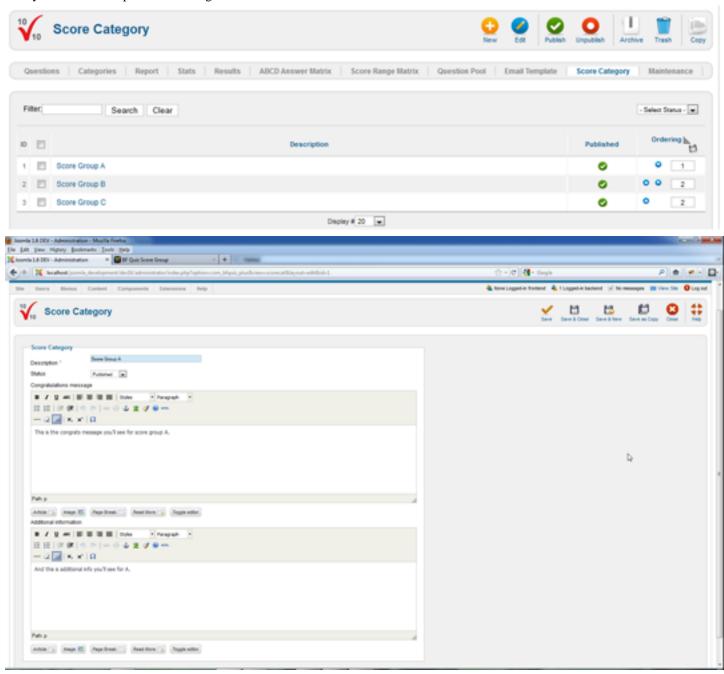
2.22. Score Category

This is used to group questions together to show a subtotal for each score category.

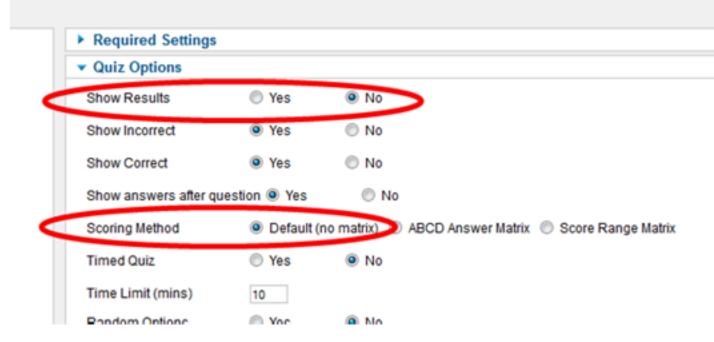
2.22.1. Setting Up Score Category

You can set up score category, which effectively allows you to group questions together so each group of questions have their own scoring.

First you need to set up the score categories.



Just set Show Results to no and scoring method to default in your menu item when using score categories.



Then you need to assign the score categories to each question.

3. Creating a menu item

Once you have added your questions, you can add a quiz menu item to add the quiz to your site. From the menu manager, select the menu you want your quiz to appear in.

Click the new button

There are several menu types available for BF Quiz Plus.

3.1. Default – multi page quiz

This quiz type offers the most flexibility, as you can have a different number of questions on each page of the quiz, which is achieved by grouping questions using the parent item.

The default multi page quiz temporarily stores the responses in session variables, and waits till the very end (when the thank you message is displayed) to save the responses into the database. By default the session lifetime set in your global configuration is 15 minutes, so be aware that if you have a long quiz which takes more than 15 mins to complete then you may need to increase the session lifetime on your site or perhaps use the save as you go (SAYG) view instead. It is possible to increase the session lifetime for BF Quiz Plus only instead of changing the global setting, however it requires a minor code change, if you are interested in this please refer to our support forum.

3.2. My Quizzes

The My Quizzes view allows registered users to view the score achived for each quiz completed.

3.3. All questions on one page

This view allows you to show all the questions on the same page, and it is used for single page quizzes. There are some limitations when using the one page view, for example there is no CAPTCHA support as the current version of Bigo CAPTCHA requires form submission to check the input, and there is no conditional branching.

3.4. SAYG (Save as you go)

This is similar to the default multipage view, however instead of waiting till the end of the quiz to write the responses to the database, it saves them after each page (whenever you click the next button). This can be useful for long quizzes where users don't finish it, so that you can at least capture partially completed quizzes.

3.5. Stats

The stats view graphically shows the responses to your quiz.

4. Menu item parameters

When you add a menu item for BF Quiz Plus, there are a number of settings you can change to customise your quiz.

4.1. Parameters Basic

4.1.1. Category

On the right hand side in the required settings section, you need to select the quiz category so that your site knows which quiz this menu item is for.

4.2. Quiz Options

This is located on the right hand side of your quiz menu item, and can be expanded by clicking on it.

4.2.1. Send Email Notification

On completion of your quiz, an administrator can be sent a notification email which you can customise in the email template section in BF Quiz Plus. To enable the email you must set send email notification to "Yes".

"No" or "Use Global" will prevent your quiz from sending the email.

4.2.2. Email

This is the email address that the "Admin" email will be sent to.

4.2.3. Send Author Email

On completion of the quiz, the user who completed the quiz (the author) can be sent the "author" notification email which you can customise in the email template section. To enable the email you must set send email notification to "Yes".

"No" or "Use Global" will prevent your quiz from sending the author email.

4.2.4. Enable Anonymous Responses

If set to "No" the "I prefer to respond anonymously:" question is hidden, so you can force the user to enter their name and email instead of responding anonymously.

A setting of "Yes" or "Use Global" will cause it to appear.

4.2.5. Anonymous Text

This allows you to change the wording for the anonymous question.

4.2.6. Yes option text

This allows you to change the wording of the "Yes" option in the anonymous question

4.2.7. No option text

Same as above but for the "No" option

4.2.8. Show Name Input

This is used to hide the name input field at the start of the quiz if you don't want it. A setting of "No" will cause the field to be hidden. A setting of "Yes" or "Use Global" will cause it to appear.

Please note that if the name field is hidden, the anonymous question is also hidden.

Also note that you can hide one or all the name and email fields as they are all set individually, so for example if you only wanted the email field, you could hide the name field.

4.2.9. Show Email Input

This is used to hide the email input field at the beginning of the quiz. A setting of "No" will cause the field to be hidden. A setting of "Yes" or "Use Global" will cause it to appear.

4.2.10. Name Text

The name text field can be used to change the text next to the name input field.

4.2.11. Email Text

This allows you to change the text label next to the email input field.

4.2.12. Title

This allows you to change the title at the top of your quiz.

4.2.13. Introduction text

This is the text that is shown just after the quiz title, and can be changed to whatever you like.

Chapter 3. Different end results based on answers given

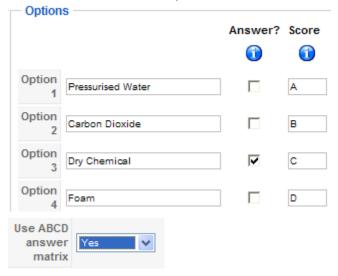
1. Answer Matrix

The answer matrix feature of BF Quiz Plus allows you to have different end results based on the answers given. There are different types of answer matrix based on the type of quiz you are creating.

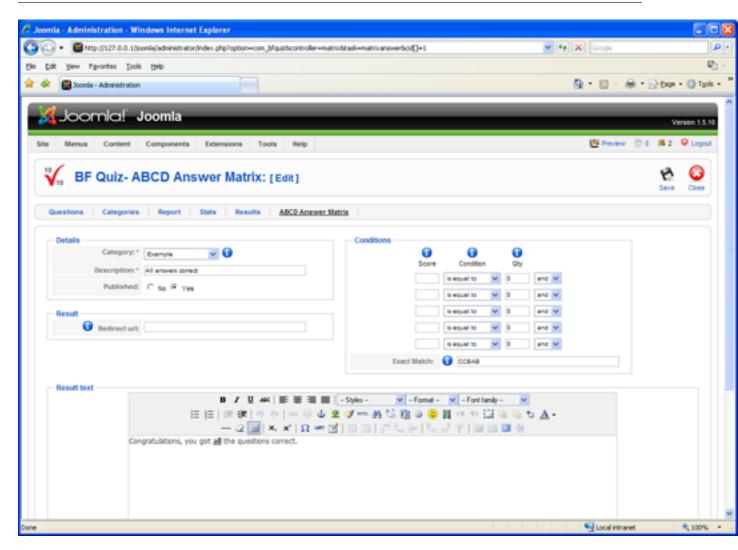
1.1. ABCD Answer Matrix

ABCD Answer Matrix allows you to have a different result at the end of the quiz depending on the combination of answers given.

To use ABCD Answer Matrix, you must:



- 1. For each question in your Quiz category, use a single character in the score field for each option (instead of the usual numeric value). We recommend that you set mandatory to yes.
- 2. Setup one or more ABCD Answer Matrix for your quiz category.
- 3. In your BF Quiz menu item, set the "Use ABCD answer matrix" parameter to "Yes".



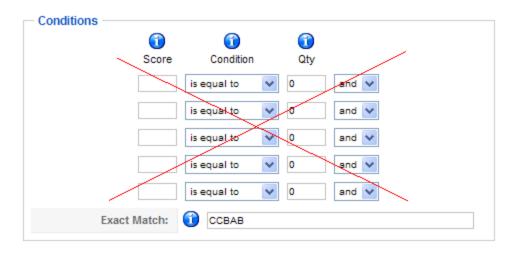
Category is the quiz category that this ABCD Answer Matrix applies to.

Description is not shown on front end website, it is only used in administrator.

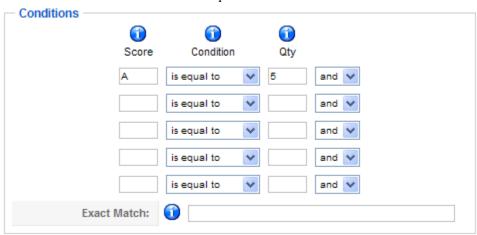


Exact Match will be checked first. If you enter an exact match, you can leave all the other conditions blank.

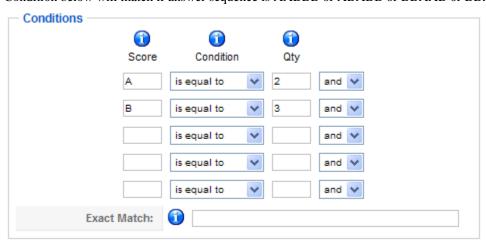
Condition below will match if answer sequence is CCBAB



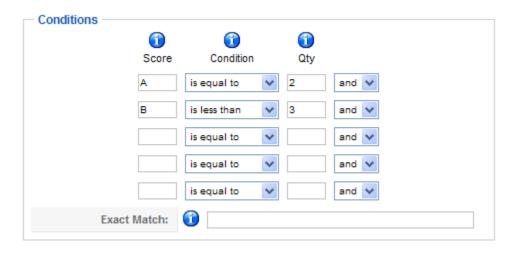
Condition below will match is answer sequence is AAAAA



Condition below will match if answer sequence is AABBB or ABABB or BBAAB or BBABA etc.



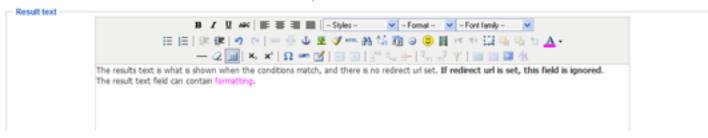
Condition below will match if answer sequence is AABCC or CDABA or AABBD etc. The redirect URL field is the page that you will be redirect to if the conditions match.



The redirect URL field is the page that you will be redirect to if the conditions match.



Result text is what is shown when if the conditions match, and there is no redirect URL set.



You can also assign a default answer, which is used when answer sequence does not match any ABCD Answer Matrix for that category. Default does not need any conditions set, just a redirect url or result text will be sufficient. The first ABCD matrix created for each category will become default automatically, but you can change this to another if desired.



1.2. Score Range Matrix

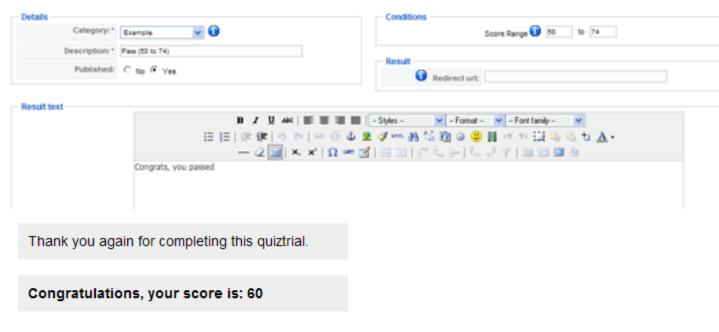
To use score range matrix, you need to set the scoring method in your menu item.



In the score range matrix view, you need to create the different score ranges and the associated result. The default score range will be used if the result does not match any of the score ranges.



When a user completes the quiz, the appropriate score range matrix will be determined based on the final score, and the associated result text or redirect URL will be used.



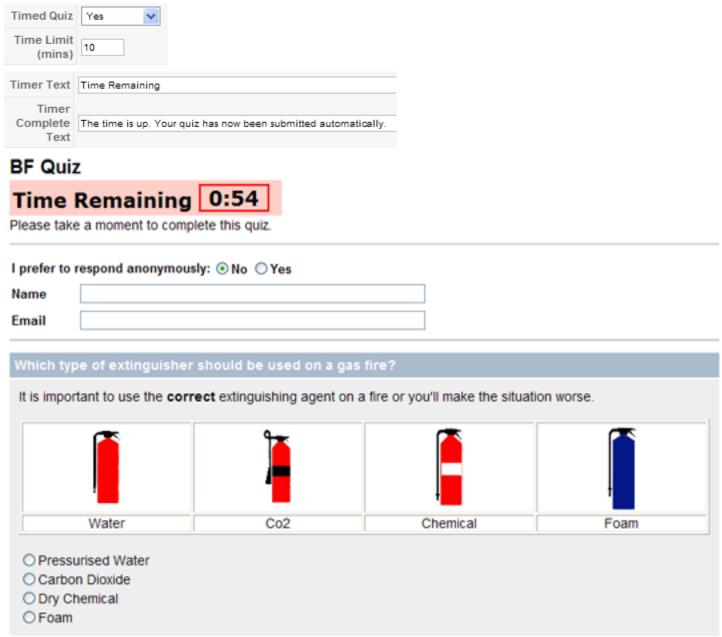
Congrats, you passed

Chapter 4. Features

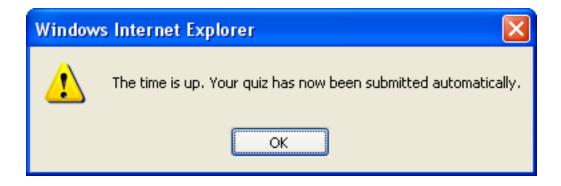
1. Timed Quiz

You can set a time limit for completing the quiz.

In the options in your quiz menu item, set timed quiz to yes and put the time (in minutes) that the user has to complete the quiz. You can also adjust the text next to the timer and the message shown when the time is up.



If the user does not complete the quiz in the allocated time, it is automatically submitted and the user is prompted with the message you set in your menu item options.



Chapter 5. Advanced

1. How to add a quiz as link in article rather than as a menu item

In Menu Manager, add a new menu (does not matter what you call it as no-one will see it), for example hidden menu

Within that menu, add a BF Quiz Plus Menu Item Type, and setup the parameters as required.

Once saved, go back into menu item, and copy contents from link field, for example index.php? option=com_bfquiz_plus&view=bfquizplus&catid=51

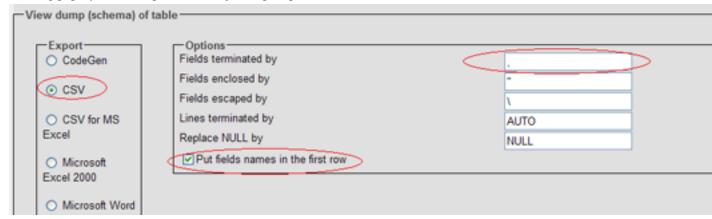
Take note of ID field.

- Create a new article, or edit an existing one.
- · Select some text and create a link
- Link will be what you copied from menu item, with &Itemid=xx appended (where xx is the ID for that menu item). For example index.php?option=com_bfquiz_plus&view=bfquizplus&catid=51&Itemid=70
- · Save your article.

2. How to import quiz questions fom file csv

Currently there is no question import feature in the software, however here is a method that may work for you to populate the questions.

• 1. Using phpMyAdmin, export the table jos_bfquiz_plus to a csv file



- 2. Open csv file in Microsoft excel and insert questions and values for other fields such as field name
- 3. Save as csv file
- 4. Import csv file into the table jos_bfquiz_plus using phpMyAdmin

— Elle to import				
File to import	40.00			
Location of the text file C:\Documents and Setting Browse (Max: 2,048 KiB)				
Character set of the file: utf8	▼			
Imported file compression will	be automatically detected from: None, gzip, bzip2, zip			
Partial import				
Allow the interruption of a	n import in case the script detects it is close to the PHP timeout limit. This might be good way to			
Number of records (queries) to	skip from start 0			
Format of imported file				
© CSV				
	Coptions Cop			
O CSV using LOAD DATA	Replace table data with file			
	☑ Ignore duplicate rows			
O SQL	Fields terminated by			
	Fields enclosed by			
	Fields escaped by			
	Lines terminated by			
	Column names			

3. How to migrate from BF Quiz (Joomla 1.5) to BF Quiz Plus (2.5 or 3)

Assuming you have copied your BF Quiz database tables across to your Joomla 2.5 site, then install BF Quiz Plus. After that you just need to run a few SQL commands in phpMyAdmin to migrate your data. Replace jos_ with your database prefix.

RENAME TABLE 'jos_bfquiz_plus' TO 'jos_bfquiz_plus_old';

RENAME TABLE 'jos_bfquiz' TO 'jos_bfquiz_plus';

ALTER TABLE 'jos_bfquiz_plus' CHANGE 'published' 'state' tinyint(3) NOT NULL default '0';

ALTER TABLE `jos_bfquiz_plus` ADD `archived` tinyint(1) NOT NULL DEFAULT '0', ADD `approved` tinyint(1) NOT NULL DEFAULT '1', ADD `access` int(11) NOT NULL DEFAULT '1', ADD `language` char(7) NOT NULL DEFAULT '1', ADD `created` datetime NOT NULL DEFAULT '0000-00-00 00:00:00', ADD `created_by` int(10) unsigned NOT NULL DEFAULT '0', ADD `modified` datetime NOT NULL DEFAULT '0000-00-00 00:00:00', ADD `modified_by` int(10) unsigned NOT NULL DEFAULT '0', ADD `publish_up` datetime NOT NULL DEFAULT '0000-00-00 00:00:00', ADD `publish_down` datetime NOT NULL DEFAULT '0000-00-00 00:00:00';

RENAME TABLE 'jos_bfquiz_plus_matrix' TO 'jos_bfquiz_plus_matrix_old';

RENAME TABLE 'jos_bfquiz_matrix' TO 'jos_bfquiz_plus_matrix';

ALTER TABLE `jos_bfquiz_plus_matrix` CHANGE `published` `state` tinyint(3) NOT NULL default '0';

ALTER TABLE `jos_bfquiz_plus_matrix` ADD `date` datetime NOT NULL default '0000-00-00 00:00:00', ADD `checked_out` int(11) NOT NULL default '0', ADD `checked_out_time` datetime NOT NULL default '0000-00-00 00:00:00', ADD `archived` tinyint(1) NOT NULL DEFAULT '0', ADD `approved` tinyint(1) NOT NULL DEFAULT '1', ADD `access` int(11) NOT NULL DEFAULT '1', ADD `language` char(7) NOT NULL DEFAULT ", ADD `created` datetime NOT NULL DEFAULT '0000-00-00 00:00:00', ADD `created_by` int(10) unsigned NOT NULL DEFAULT '0', ADD `modified` datetime NOT NULL DEFAULT '0000-00-00 00:00:00', ADD `modified_by` int(10) unsigned NOT NULL DEFAULT '0', ADD `parent` int(11) NOT NULL, ADD `publish_up` datetime NOT NULL DEFAULT '0000-00-00 00:00:00', ADD `publish_down` datetime NOT NULL DEFAULT '0000-00-00 00:00'.

RENAME TABLE `jos_bfquiz_plus_scorerange` TO `jos_bfquiz_plus_scorerange_old`;

RENAME TABLE `jos_bfquiz_scorerange` TO `jos_bfquiz_plus_scorerange`;

ALTER TABLE 'jos_bfquiz_plus_scorerange' CHANGE 'published' 'state' tinyint(3) NOT NULL default '0';

ALTER TABLE `jos_bfquiz_plus_scorerange` ADD `date` datetime NOT NULL default '0000-00-00 00:00:00', ADD `checked_out` int(11) NOT NULL default '0', ADD `checked_out_time` datetime NOT NULL default '0000-00-00 00:00:00', ADD `archived` tinyint(1) NOT NULL DEFAULT '0', ADD `approved` tinyint(1) NOT NULL DEFAULT '1', ADD `access` int(11) NOT NULL DEFAULT '1', ADD `language` char(7) NOT NULL DEFAULT ", ADD `created` datetime NOT NULL DEFAULT '0000-00-00 00:00:00', ADD `created_by` int(10) unsigned NOT NULL DEFAULT '0', ADD `modified` datetime NOT NULL DEFAULT '0000-00-00 00:00:00', ADD `modified_by` int(10) unsigned NOT NULL DEFAULT '0', ADD `parent` int(11) NOT NULL, ADD `publish_up` datetime NOT NULL DEFAULT '0000-00-00 00:00:00', ADD `publish_down` datetime NOT NULL DEFAULT '0000-00-00 00:00:00', ADD `publish_down` datetime NOT NULL DEFAULT '0000-00-00 00:00:00',

RENAME TABLE `jos_bfquiz_plus_pool` TO `jos_bfquiz_plus_pool_old`;

RENAME TABLE 'jos_bfquiz_pool' TO 'jos_bfquiz_plus_pool';

ALTER TABLE 'jos_bfquiz_plus_pool' CHANGE 'published' 'state' tinyint(3) NOT NULL default '0';

ALTER TABLE `jos_bfquiz_plus_pool` ADD `date` datetime NOT NULL default '0000-00-00 00:00:00', ADD `checked_out` int(11) NOT NULL default '0', ADD `checked_out_time` datetime NOT NULL default '0000-00-00 00:00:00', ADD `archived` tinyint(1) NOT NULL DEFAULT '0', ADD `approved` tinyint(1) NOT NULL DEFAULT '1', ADD `access` int(11) NOT NULL DEFAULT '1', ADD `language` char(7) NOT NULL DEFAULT ", ADD `created` datetime NOT NULL DEFAULT '0000-00-00 00:00:00', ADD `created_by` int(10) unsigned NOT NULL DEFAULT '0', ADD `modified` datetime NOT NULL DEFAULT '0000-00-00 00:00:00', ADD `modified_by` int(10) unsigned NOT NULL DEFAULT '0', ADD `parent` int(11) NOT NULL, ADD `publish_up` datetime NOT NULL DEFAULT '0000-00-00 00:00:00', ADD `publish_down` datetime NOT NULL DEFAULT '0000-00-00 00:00'.

RENAME TABLE 'jos_bfquiz_plus_email' TO 'jos_bfquiz_plus_email_old';

RENAME TABLE `jos_bfquiz_email` TO `jos_bfquiz_plus_email`;

ALTER TABLE `jos_bfquiz_plus_email` CHANGE `published` `state` tinyint(3) NOT NULL default '0';

ALTER TABLE `jos_bfquiz_plus_email` ADD `archived` tinyint(1) NOT NULL DEFAULT '0', ADD `approved` tinyint(1) NOT NULL DEFAULT '1', ADD `access` int(11) NOT NULL DEFAULT '1', ADD `language` char(7) NOT NULL DEFAULT ", ADD `created` datetime NOT NULL DEFAULT '0000-00-00 00:00:00', ADD `created_by` int(10) unsigned NOT NULL DEFAULT '0', ADD `modified` datetime NOT NULL DEFAULT '0000-00-00 00:00:00', ADD `modified_by` int(10) unsigned NOT NULL DEFAULT '0', ADD `parent` int(11) NOT NULL, ADD `publish_up` datetime NOT NULL DEFAULT '0000-00-00 00:00:00', ADD `publish_down` datetime NOT NULL DEFAULT '0000-00-00 00:00:00';

UPDATE jos_categories set `extension` = 'com_bfquiz_plus' where `extension` = 'com_bfquiz';