

The CMS Builder Cookbook

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SUGGESTING "ARTICLES YOU MIGHT ALSO LIKE" BASED ON KEYWORDS - May 8th, 2011

User Illume Magazine wanted to be able to suggest articles on their article detail page that, based on matching keywords, might be of interest to readers of a specific article.

This concept could also be used for showing products that share certain qualities to potential buyers.

Here's what a collaboration between Chris Waddell from Interactive Tools and CMSB user Perchpole came up with:

For this recipe you'll need to add a "your_keyword_field" text field to the multi-record editor that contains your articles.

Here's the code that goes at the top of your detail viewer:

Insert the code between the lines INSERT THIS CODE and END OF INSERTED CODE into your viewer and change the path to your viewer_functions.php and the names of your table and fields.

```
<?php header('Content-type: text/html; charset=utf-8'); ?>
<?php

// load viewer library
$libraryPath = 'cmsAdmin/lib/viewer_functions.php';
$dirsToCheck = array('/path_to_your_server','../','../../','../../../');
foreach ($dirsToCheck as $dir) { if (@include_once("$dir$libraryPath")) { break; } }
if (!function_exists('getRecords')) { die("Couldn't load viewer library, check filepath in sourcecode."); }

// load records
list($your_products_tableRecords, $your_products_tableMetaData) = getRecords(array(
    'tableName' => 'your_products_table',
    'where'     => whereRecordNumberInUrl(1),
    'limit'    => '1',
));
$your_products_tableRecord = @$your_products_tableRecords[0]; // get first record

// show error message if no matching record is found
if (!$your_products_tableRecord) {
    header("HTTP/1.0 404 Not Found");
    print "Record not found!";
    exit;
}
//INSERT THIS CODE
// construct a where clause out of this record's keywords (e.g. "apples, oranges" -> "keywords LIKE '%apples%' OR
keywords LIKE '%oranges'")

$keywords = preg_split('/\s*/', $articlesRecord['your_keyword_field']);

$where = '0';
foreach ($keywords as $keyword) {
    $where .= ' OR ';
```

```

$where .= "your_keyword_field LIKE '%" . mysql_escape($keyword) . "%";
}

// find the most recent records with at least one matching keyword (but not including the current record)
list($similarRecords)= getRecords(array(
    'tableName' => 'your_products_table',
    'where'      => "(" . $where . ") AND num != " . $your_products_tableRecord['num'],
    'limit'      => 5,
));
// END OF INSERTED CODE
?>

```

Then, where you want to display the titles of, and links to similar articles on the detail page, use the following code:

```

<?php foreach ($similarRecords as $record): ?>
<a href="<?php echo $record['_link'] ?>"><?php echo $record['title'] ?></a><br /><?php endforeach ?>

```

The regular expression in the first line of code above will create keywords split on a comma followed by any number of spaces. Here it is again for reference:

```

$keywords = preg_split('/,\s*/', $articlesRecord['keywords']);

```

For example, "a quick, brown fox" would turn into two keywords: "a quick" and "brown fox".

If you want to split on commas and/or spaces, you can use this regular expression instead:

```

$keywords = preg_split('/[, \s]+/', $articlesRecord['keywords']);

```

For example, "a quick, brown fox" would turn into four keywords: "a", "quick", "brown", and "fox".

NOTE: You can also use this one to list keywords in a multi-value list field.

** If you're going to use this in a multi value situation, you'll need to insure that there are no spaces between multi word "keywords. You can use "_" or "-" to separate multiple words and then if you need to print out a keyword list for some reason you can use another regular expression like the one below to replace each "_" or "-" with the required spaces.

```

<?php foreach ($your_tableRecords as $record): ?>

<!-- Insert This Code -->

<?PHP $record['your_field'] = preg_replace("/[-_]/", "&nbsp;", $record['your_field'] ); ?>

<!-- End of Insert-->

<?php echo $record['your_field'] ?>

<?php endforeach; ?>

```

You can learn more about the power of regular expressions in the recipe called: "REPLACING ONE CHARACTER WITH ANOTHER USING "REGULAR EXPRESSIONS"

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