

FORMULIEREN

```
hook_form_alter(&$form,
$form_state, $form_id)
```

\$form Formulier-array
\$form_state status-array
\$form_id Formuliernaam

```
hook_form_FORM_ID_alter(&$form, &
$form_state)
```

\$form Formulier-array
\$form_state Formulier-status

```
drupal_get_form($form_id)
```

\$form_id Formuliernaam
... Meer argumenten
return HTML-formulier

```
form_set_error($name = NULL,
$message = '', $reset = FALSE)
```

\$name Naam v form.element
\$message Foutmeldingstekst
\$reset Reset de cache

Formulier-elementen

#type checkbox(es), date, fieldset,
file, radio(s), select,
textarea, textfield
#title Titel. Gebruik t().
#description Beschrijving. Gebruik t().
#required Verplicht (TRUE/FALSE)
#options Array van opties
#default_value Standaardwaarde
#weight Gewicht
#attributes Array HTML-attributen
#theme Theme-functienaam

Formulier

#submit submit-functienaam
#validate validatie-functienaam
#after_build after-built-functienaam
#redirect drupal-pad, array, FALSE

PERMISSIES

```
hook_perm()
```

return Array van permissie-namen

```
user_access($string, $account =
NULL, $reset = FALSE)
```

\$string Te controleren permissie
\$account Gebruiker-object of NULL
voor actieve gebruiker

```
node_access($op, $node, $account =
NULL)
```

\$op Bewerking (view, update,
delete, create)

\$node Node-object of -type
\$account User-object
return TRUE: permissie ok

SECURITY

<http://drupal.org/writing-secure-code>

```
check_plain($text)
```

\$text Tekst zonder HTML.
return Geschoonde tekst.

```
check_markup($text, $format =
FILTER_FORMAT_DEFAULT, $check =
TRUE)
```

\$text Te schonen tekst
\$format Filter-ID
\$check TRUE: controleer op
permissie voor dit filter.
return Geschoonde tekst

DATABASE

```
db_query($query)
```

\$query SQL-query. Beschikbare
placeholders:
%s Tekst
%d Geheel getal (18)
%f Decimaal getal (5,73)
%b Binair getal
%% %-teken
return Query resultaat-object

Gebruik van placeholders:

```
db_query("SELECT foo FROM {table}
t WHERE t.name = '%s' ", $user-
>name);
```

db_paceholders():

```
db_query("SELECT foo FROM {table}
t WHERE t.nid IN (".
db_placeholders($users) .")",
$users);
```

db_rewrite_sql():

```
db_query(db_rewrite_sql("SELECT
n.nid, n.title FROM {node} n"));
```

```
db_result($result)
```

\$result db_query() resultaat-object
return Waarde van één veld

```
db_fetch_object($result)
```

\$result db_query() resultaat-object
return Database-regel als object.

```
while ($data = db_fetch_object
(db_query($query))) {
$list[] = $data;
}
```

```
db_fetch_array($result)
```

\$result db_query() resultaat-object
return Database-regel als array.

DIVERSEN

```
variable_get($name, $default)
```

\$name Variabele-naam
\$default Default-waarde
return Waarde van variable

```
l($text, $path, $options = array
())
```

\$text Klikbare tekst
\$path Zie url()
\$options Opties
attributes HTML-attributen
query ?= query-string array
fragment #-ankers
absolute \$path is absoluut
html \$text bevat HTML
alias \$path is pad-alias
return HTML link



```
t($string, $args = array(),
$langcode = NULL)
```

\$string Te vertalen tekst
\$args Vervangingswaarden
!variabele Ongewijzigd
@variabele Geschoond
%variabele Geschoond + cursief
\$langcode Taalcode
return Vertaalde tekst

```
url($path = NULL, $options = array
())
```

\$path Intern of extern pad:
http://example.com,
node/123, <front>,
pad-alias

\$options Opties
query ?= query-string array
fragment #-ankers
absolute \$path is absoluut
alias \$path is pad-alias
external \$path is externe URL
language Taalobject
return URL-string

```
drupal_goto($path = '', $query =
NULL, $fragment = NULL,
$http_response_code = 302)
```

\$path Zie url()
\$query Zie url()
\$fragment Zie url()

```
drupal_set_message($message =
NULL, $type = 'status', $repeat =
TRUE)
```

\$message Berichttekst. Gebruik t()
\$type status, warning, error

```
watchdog($type, $message,
$variables = array(), $severity =
WATCHDOG_NOTICE, $link = NULL)
```

\$type Groepsnaam of modulenaam
\$message Bericht. Geen t().
\$variables Variabelen voor \$message
NULL: \$message niet vertalen
\$severity WATCHDOG_EMERG,
WATCHDOG_ALERT,
WATCHDOG_CRITICAL,
WATCHDOG_ERROR,
WATCHDOG_WARNING,
WATCHDOG_NOTICE,
WATCHDOG_INFO,
WATCHDOG_DEBUG
\$link HTML link; gebruik l()

```
drupal_set_title($title = NULL)
```

\$title Paginatitel
return **Pagina titel**

```
drupal_add_css($path = NULL, $type  
= 'module', $media = 'all',  
$preprocess = TRUE)
```

\$path Relatief pad. Bijv. /modules/
devel/devel.css
\$type Stylesheet-type (module,
theme)
\$media Mediatype (all, print,
screen, ...)
return Array van CSS bestanden

GLOBALE VARIABELEN

```
$base_path
```

Base-path van installatie. Bijv.: '/' of zoals
opgegeven in settings.php

```
$language
```

Taal-object van de actieve pagina.

language nl
name Dutch
native Nederlands

```
$user
```

Object van de actieve gebruiker

uid 1
name admin
mail admin@example.com
roles array('2' =>
'authenticated user')

HOOKS

```
hook_menu()
```

Items

title Menutekst (geen t())
type MENU_NORMAL_ITEM,
 MENU_CALLBACK,
 MENU_SUGGESTED_ITEM,
 MENU_LOCAL_TASK,
 MENU_DEFAULT_LOCAL_TASK

description Beschrijving (geen t())
page callback Functienaam
page arguments Array met argumenten
access callback Functienaam
access arguments Array met argumenten
file Bestandsnaam
file path Pad naar 'file'

```
$items['node/%node/edit'] = array(  
  'title' => 'Edit',  
  'page callback' => 'node_edit',  
  'page arguments' => array(1),  
  'access callback' =>  
'node_access',  
  'access arguments' => array  
( 'update', 1),  
  'file' => 'node.pages.inc',  
  'type' => MENU_LOCAL_TASK,  
);
```

```
hook_block($op = 'list', $delta =  
0, $edit = array())
```

\$op list, configure, save, view
\$delta Blok-ID (nummer of string)
\$edit Formulier-data (\$op = save)
return Afhankelijk van \$op

```
hook_user($op, &$edit, &$account,  
$category = NULL)
```

\$op after_update, categories,
 delete, form, insert, load,
 login, logout, register, submit,
 update, validate, view
&\$edit Formulier-data
&\$account Account-object
\$category Account-categorie
return Afhankelijk van \$op

```
hook_nodeapi(&$node, $op, $a3 =  
NULL, $a4 = NULL)
```

\$node Node-object
\$op alter, delete, delete revision,
 insert, load, prepare, prepare
 translation, print, rss item,
 search result, presave,
 update, update index,
 validate, view
return Afhankelijk van \$op

THEMING

```
format_date($timestamp, $type =  
'medium', $format = '', $timezone  
= NULL, $langcode = NULL)
```

\$timestamp UNIX-timestamp
\$type small, medium, large, custom
\$format 'custom' datumformaat. Zie
 date()-functie.
 d-m-y 05-12-10
 j M Y 5 dec 2010
 i:H 09:18
\$timezone Tijzone-offset in seconden
\$langcode Taalcode. Bijv. NL
return (Vertaalde) datum/tijd

```
theme_table($header, $rows,  
$attributes = array(), $caption =  
NULL)
```

\$header Array of associatief array van
 header-elementen
\$rows Array van arrays met row-
 data
\$attributes HTML-attributen van tabel
\$caption Tabel-caption
return **HTML-tabel**

```
$header = array(  
  t('coll'),  
  t('col2'),  
);  
// Sorteerbare tabel  
$header = array(  
  array(  
    'data' => t('coll'),  
    'header' => 'field_name',  
    'sort' => 'desc',  
    'class' => 'foo'  
  ), ...  
);  
$rows = array(  
  array(  
    'data' => $row1,  
    'class' => 'row-odd'  
  ), ...  
);  
$attributes = array(  
  'id' => 'demo-table',  
);
```



```
hook_theme($existing, $type,  
$theme, $path)
```

Theme-elementen: arguments, file, path,
template, function, pattern,
preprocess functions,
override preprocess
functions, type, theme path,
theme paths.

return Array van theme-hooks

```
$themes = array(  
  'foo_list' => array(  
    'arguments' => array(  
      'data' => NULL,  
    ),  
    'template' => 'foo-list',  
    'file' => 'foo.theme.inc',  
    'path' => $path,  
  ),  
);
```

```
theme_item_list($items = array(),  
$title = NULL, $type = 'ul',  
$attributes = NULL)
```

\$items Array van items. Zie onder.
\$title Titel van de lijst (<h3>)
\$type ul, ol
\$attributes CSS-attributen van de *lijst*
return **HTML-lijst**

```
$items = array(  
  t('one'),  
  t('two'),  
);  
$items = array(  
  array(  
    'data' => 'foo',  
    'class' => 'element-1',  
  ),  
  array(  
    'data' => 'bar',  
    'class' => 'element-2',  
  )  
);
```

Rood Functie schoont uitvoer NIET
Groen Functie schoont uitvoer van mogelijk
 onveilige data.