

## 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 VARIABLEN

```
$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($op, &$amp;edit, &$amp;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(&$amp;$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('col1'),  
  t('col2'),  
);  
// Sorteerbare tabel  
$header = array(  
  array(  
    'data' => t('col1'),  
    'header' => 'field_name',  
    'sort' => 'desc',  
    'class' => 'foo'  
  ), ...  
);  
$rows = array(  
  array(  
    'data' => $row1,  
    'class' => 'row-odd'  
  ), ...  
);  
$attributes = array(  
  'id' => 'demo-table',  
);
```



**wizzlern**  
de Drupal trainers

```
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.