

# Pemrograman Web Lanjut

## #02







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# Data Presentation

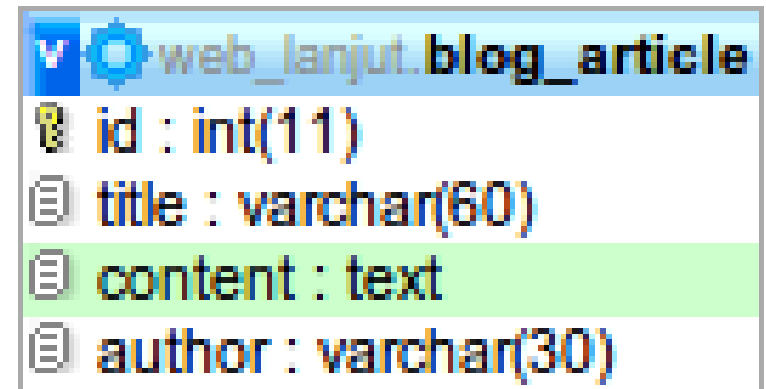


Title	Group	Content
Overview	Basic Info	No-CMS is a CMS-framework. It...
Who is No-CMS for	Basic Info	No CMS will be good for you if...
No-CMS as CMS	Basic Info	No-CMS is a good enough CMS. It...
No-CMS as framework	Basic Info	No-CMS is not just another CMS....
Server Requirement	Basic Info	To install No-CMS, you should...
License	Basic Info	No-CMS has dual license GPL MIT...
Credits	Basic Info	I would like to thank all the...
Download No-CMS	Installation	You can download No CMS from No-CMS...
Install No-CMS	Installation	Installing No-CMS is very easy....
User	Getting Started	

 10 ▾   Page 1 of 3  Displaying 1 to 10 of 22 items

# The Data

```
CREATE TABLE IF NOT EXISTS `blog_article` (  
  `id` int(11) NOT NULL AUTO_INCREMENT,  
  `title` varchar(60) NOT NULL,  
  `content` text NOT NULL,  
  `author` varchar(30) NOT NULL,  
  PRIMARY KEY (`id`)  
) ENGINE=InnoDB DEFAULT CHARSET=latin1  
AUTO_INCREMENT=1 ;
```



The screenshot shows a database table named 'web\_lanjut.blog\_article'. The table structure is displayed with the following columns and data types:

	web_lanjut.blog_article
id	int(11)
title	varchar(60)
content	text
author	varchar(30)

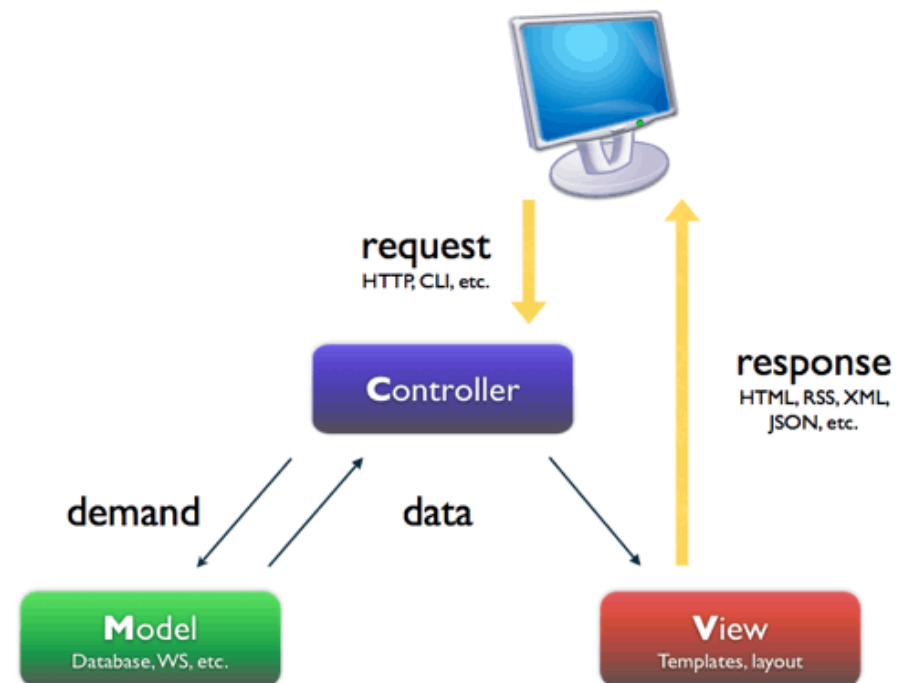
# The CodeIgniter

- Get it at: <http://codeigniter.com/>
- See how it works: <http://codeigniter.com/tutorials/>
- Be familiar with documentation:  
[http://codeigniter.com/user\\_guide/](http://codeigniter.com/user_guide/)
- Deal with the database:  
[http://codeigniter.com/user\\_guide/database/index.html](http://codeigniter.com/user_guide/database/index.html)
- Show time...

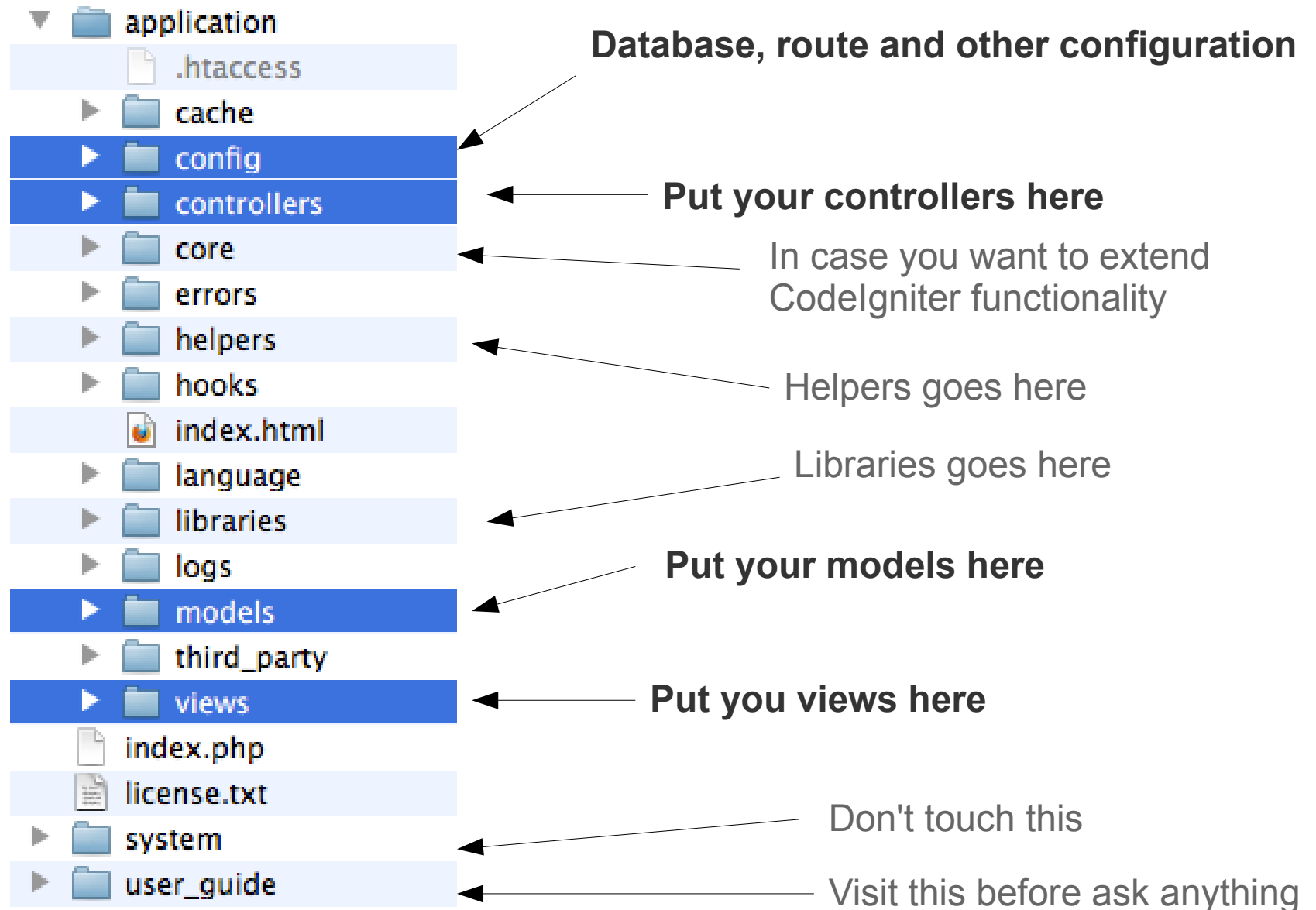


# The principle

**“The data shall flow from the model to the controller, and to the view”**



# CodeIgniter Directory Structure



# Database Configuration

*// you can find it on **/application/config/database.php***

```
$db['default']['hostname'] = "localhost";  
$db['default']['username'] = "root";  
$db['default']['password'] = "";  
$db['default']['database'] = "database_name";  
$db['default']['dbdriver'] = "mysql";  
$db['default']['dbprefix'] = "";  
$db['default']['pconnect'] = TRUE;  
$db['default']['db_debug'] = FALSE;  
$db['default']['cache_on'] = FALSE;  
$db['default']['cachedir'] = "";  
$db['default']['char_set'] = "utf8";  
$db['default']['dbcollat'] = "utf8_general_ci";  
$db['default']['swap_pre'] = "";  
$db['default']['autoinit'] = TRUE;  
$db['default']['stricton'] = FALSE;
```



# Model

(The one who deal with the data)

```
<?php
// put this on /application/models/blog_model.php

class Blog_Model extends CI_Model {

    function __construct()
    {
        // Call the Model constructor
        parent::__construct();
    }

    function get_data()
    {
        $this->load->database();
        $query = $this->db->get('blog_article');
        return $query->result();
    }
}
?>
```





# Controller

(The one who take control of everything)

```
<?php
// put this on /application/controllers/blog.php

class Blog extends CI_Controller {

    function __construct()
    {
        // Call the Controller constructor
        parent::__construct();
    }

    function index()
    {
        $this->load->model('blog_model');
        $data = array(
            'blog_articles' => $this->blog_model->get_data()
        );
        $this->load->view('blog_index', $data);
    }
}
?>
```



# View

(The one who deal with interface)

```
<?php  
// put this on /application/views/blog_index.php
```

```
foreach($blog_articles as $article){  
    echo $article->title;  
    echo br();  
    echo $article->content;  
    echo br();  
    echo '<hr />';  
}  
?>
```



# How to access it?

**http://localhost/code\_igniter\_directory/index.php/blog/index**

**Server name**

(localhost is the name  
of your computer)

**Code Igniter Installation  
Directory**

(e.g: you put your copy of CodeIgniter on  
C:\xampp\htdocs\code\_igniter\_directory)

**Controller  
Name**

**Function  
Name**

It's show time !!!



# Pagination

- Many small pages instead of one big page
- Why?
  - Bandwidth & Network traffic
  - Scrollbar



# How to?



- Calculate how many pages available?
- Select only the data for a certain page
- Show the pagination links

# The secret of pagination

SELECT column\_name(s)

FROM table\_name

LIMIT number, offset

([http://www.w3schools.com/sql/sql\\_top.asp](http://www.w3schools.com/sql/sql_top.asp))





# The secret of pagination (CodeIgniter way)

- Query:  
`$query = $this->db->get('mytable', $limit, $offset);`
- Pagination class:  
[http://codeigniter.com/user\\_guide/libraries/pagination.html](http://codeigniter.com/user_guide/libraries/pagination.html)





It's your turn



# Thank you

