



FRAMEWORK CAKEPHP

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INDEX

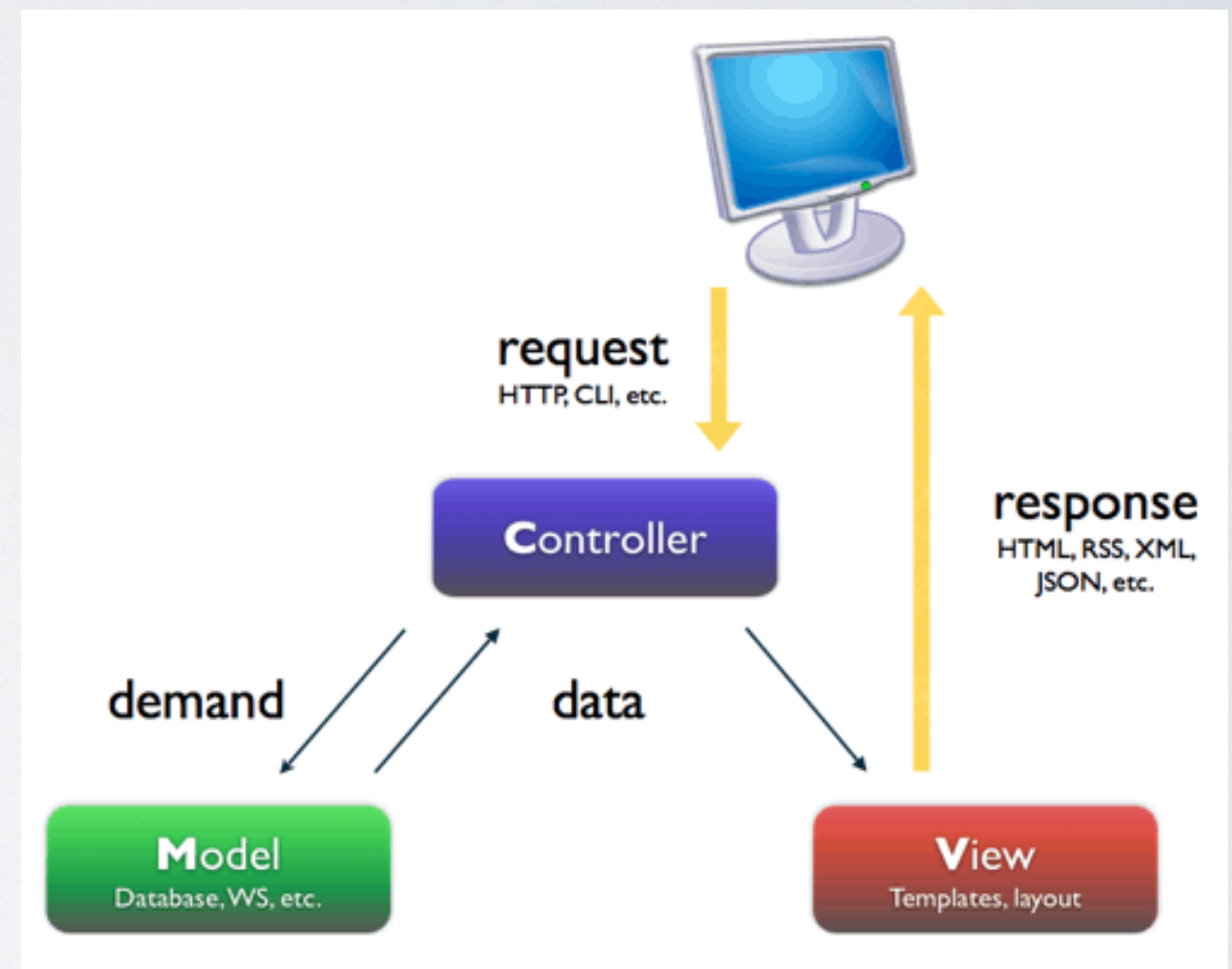
- Framework
- Model - View - Controller (MVC)
- CakePHP
- Simple Use Case
- Sample Code
- Benefits
- Limitations
- Alternatives
- Examples
- Resources

FRAMEWORK

- “Is a set of classes that can be used to perform the more mundane manipulations of the data in your application.”
- “Is an abstraction in which common code providing generic functionality can be selectively overridden or specialized by user code providing specific functionality.” - Wikipedia
- “Is a re-usable design for a software system (or subsystem) that may include support programs, code libraries, a scripting language, or other software to help develop and glue together the different components of a software project. Various parts of the framework may be exposed through an API.” - Creativemediafarm

MODEL - VIEW - CONTROLLER (MVC)

- **Model:** Represents the application data.
- **View:** Represents the model in a adequate way for the interaction.
- **Controller:** Responds to events, user actions, and makes requests to the model.



CAKEPHP

- Integrated CRUD for database interaction.
- Application Scaffolding.
- Code Generation via Bake (a console application).
- Helpers for HTML, Forms, Pagination, AJAX, Javascript, XML, RSS and more.
- Access Control Lists (ACL) and Authentication.
- Validation of model data.
- Router for mapping URLs and handling extensions.
- Email, Cookie, Security, Session and RequestHandler Components.
- Internationalization and Localization.
- Flexible cache.

SIMPLE USE CASE

CREATING A BLOG

Source: <http://book.cakephp.org/view/219/Blog>

- Download: <http://cakeforge.org/projects/cakephp/>
- Create the database.
- Configure Cake database file.
- Bake it!

SAMPLE CODE

- HTML Helper:

- `<?php echo $html->image('cake_logo.png', array('alt' => 'CakePHP')); ?>`

- Output: ``

- `<?php echo $html->link('Home Page', '/pages/home', array('target'=>'_blank')); ?>`

- Output: `Home Page`

- Form Helper:

- `<?php echo $form->create('Recipe'); ?>`

- Output: `<form id="RecipeAddForm" method="post" action="/recipes/add">`

- `<?php echo $form->input('title'); ?>`

- Output: `<input name="data[Post][title]" type="text" maxlength="50" value="" id="PostTitle" />`

SAMPLE CODE

- Requesting Data (SQL Queries):
 - Select:
 - `$this->set('posts', $this->Post->find('all'));`
 - Insert:
 - `$this->Post->save($this->data);`
 - Update:
 - `$this->Post->save($this->data);`
 - Delete:
 - `$this->Post->delete($id);`

BENEFITS

- MVC Pattern.
- Zero Configuration.
- CRUD Scaffolding.
- Easily extended with Components, Helpers and Plug-ins.
- Ajax Support.
- ACL Functionality.
- **Easy to understand.**

LIMITATIONS

- Slow with big databases.
- Probably too big.

ALTERNATIVES

- Zend
- Symfony
- CodeIgniter
- Compare all in: <http://www.phpframeworks.com/>

EXAMPLES

- **Personal Examples**

- www.redinter.eu
- www.marcfg.com

- **General Examples**

- [Mozilla Addons](#)
- [MapMe](#)
- [Miss Universe](#)

RESOURCES

- [CakePHP Official Website](#)
- [The Bakery](#)
- [The Cookbook](#)
- [CakePHP Google Group](#)
- [CakeDC Team](#)
- [CakePHP Cheatsheet](#)
- [IBM: Cook Up Websites Fast](#)
- [IBM: Build a Production Wiki](#)



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THANK YOU