FRAMEWORK CakePHP
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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 an 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


• 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:** `<img src="/img/cake_logo.png" alt="CakePHP" />`

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

    • **Output:** `<a href="/pages/home" target="_blank">Home Page</a>`

• 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