

Introduction to PHP MVC with CakePHP



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CakePHP Framework

- **What is it?**

- “CakePHP is a free, open-source, rapid development framework for PHP.”
- CakePHP.org

- **Framework Based on MVC**

- CakePHP is an MVC (Model-View-Controller) framework.
 - Separates the code into areas which allows for rapid development
 - Simplifies the mundane and repetitive tasks in developing web applications.

CakePHP Framework

■ Why use it?

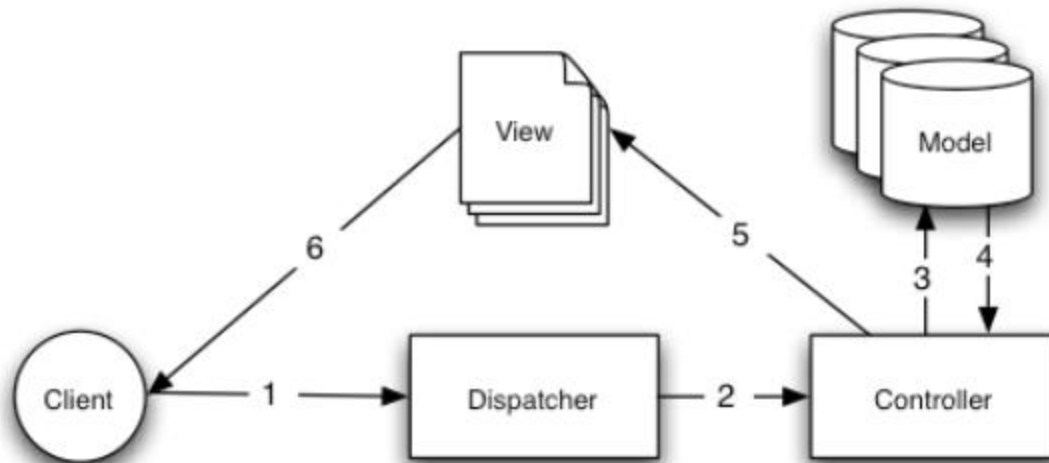
- CakePHP is similar to C#'s MVC Framework, which I am familiar with.
- Clean URLs
 - Out of the box CakePHP has nice URLs
 - Does not use “index.php” which is prevalent in most PHP frameworks
- Separates presentation layer from business and logic layer
- Easily extendable
- Active community
- Active development team (updated regularly)
- Need more convincing...
 - <http://book.cakephp.org/2.0/en/cakephp-overview/what-is-cakephp-why-use-it.html>

Overview of MVC

- **MVC Design Pattern Separates an Application Into Three Parts**
 - **Model**
 - Business logic layer which interacts with the database
 - Save, retrieve, update, delete – all queries
 - Handles all data processing, validation and associations, plus anything else related to the data
 - **View**
 - Presentation layer which displays the information requested in a manner that useful to the user
 - What the end user sees displayed in the browser
 - Not limited to HTML
 - Xml, --more
 - **Controller**
 - Interacts with Models and Views to render a response back to the user
 - Middle Child, definitely not forgotten.

CakePHP Request Cycle

- Below is the Basic Overview of the CakePHP Request Cycle



From CakePHP.org

Course Objectives

- **Basic Overview of CakePHP**
 - Remember this is an introduction course
- **Understand the MVC Framework**
 - Shown by example
- **Create a Functional Application**
 - Media Catalog
 - Installation of CakePHP
 - Creating a database and tables
 - Management of the database (form applications)
 - Working with data validation
 - Adding a layout
 - Authentication
 - Limit access to certain areas of the site.