PHP Web Application Framework

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Overview

• Aims to speed up web application development
• Simplifies & separates: display code, data management, and business logic
• Marketed towards enterprise development
• Runs on most platforms
• Includes framework & developer tools
Design Philosophy

- Clean design and code readability
- Agile development principles such as DRY, KISS, and XP
- Web best practices and design patterns
- Focus on application logic not configuration
  - Convention over configuration—the developer needs to configure only the unconventional
- Simple to setup and use, but extensible.
Services Provided

• Templates
• AJAX
• Actions provide business logic
• Data abstraction & ORM
  – Database agnostic
• Filters system
• Extensible plug-in architecture
Services Provided (cont.)

• Authentication system
• Code generation tools
  – Admin generation
• Built in unit & functional testing
MVC Architecture

**Model** domain specific representation of data/business logic

**View** is the presentation layer, face of application

**Controller** responds to user actions, changes model or view as necessary, is glue
<?php
// Connecting, selecting database
$link = mysql_connect('localhost', 'myuser', 'mypassword');
mysql_select_db('blog_db', $link);
// Performing SQL query
$result = mysql_query('SELECT date, title FROM post', $link);
?>
<html>
<head>
<title>List of Posts</title>
</head>
<body>
<h1>List of Posts</h1>
<table>
<tr><th>Date</th><th>Title</th></tr>
<?php
//Printing results in HTML
while ($row = mysql_fetch_array($result, MYSQL_ASSOC))
{
    echo "\t<tr>\n";
    printf("\t\t<td> %s </td>\n", $row['date']);
    printf("\t\t<td> %s </td>\n", $row['title']);
    echo "\t</tr>\n";
}
?>
</table>
</body>
</html>
<?php
//Closing connection
mysql_close($link);
?>
Controller
<?php

// Requiring the model
require_once('model.php');

// Retrieving the list of posts
$posts = getAllPosts();

// Requiring the view
require('view.php');

Model
function getAllPosts()
{
    ...
    // Connecting to database
    // Performing SQL query
    // Filling up the array
    ...
    $posts = array();
    while ($row = fetch_results($result))
    {
        $posts[] = $row;
    }
    return $posts;

View
<html>
<head>
    <title>List of Posts</title>
</head>
<body>
    <h1>List of Posts</h1>
    <table>
        <tr><th>Date</th><th>Title</th></tr>
        <?php foreach ($posts as $post): ?>
            <tr>
                <td><?php echo $post['date'] ?></td>
                <td><?php echo $post['title'] ?></td>
            </tr>
        <?php endforeach; ?>
    </table>
</body>
References/Sources

- Symfony Project Website. [http://www.symfony-project.org/](http://www.symfony-project.org/)
- Symfonians: Another symfony Community. [http://symfonians.net/](http://symfonians.net/)
A fatal exception OE has occurred at 0028:C0011E36 in OXD VMH(01) + 00010E36. The current application will be terminated.

- Press any key to terminate the current application.
- Press CTRL+ALT+DEL again to restart your computer. You will lose any unsaved information in all applications.

Press any key to continue.