

**Active Learning**

Unit 810 Medical Plaza Ortigas Bldg.
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Zend Framework

Duration: 3 days

You Will Learn How To

- Develop scalable enterprise web applications using the Zend Framework
- Implement the MVC design pattern to create maintainable applications
- Access various databases in a vendor-independent way
- Validate and pre-populate forms automatically
- Create reusable layouts to reduce redundant code in your pages
- Secure your application through proper authentication and authorization
- Use Zend Studio specific features to expedite ZF application development

Course Benefits

Zend Framework, often referred to as ZF, is an open-source class library designed to support the development of dynamic websites, Web applications and Web services. The framework aims to alleviate the overhead associated with common activities used in Web development such as database access, authentication, templating, allowing you to focus on your application's specific requirements. By the end of the course, students will have completed a secure, Create, Read, Update, Delete (CRUD) application.

Who Should Attend

This Zend Framework training course is for intermediate PHP developers. Knowledge of PHP at the level of Course 221 – Web Development with PHP, plus real-world PHP experience are assumed. Participants should also know Object-Oriented PHP.

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Course Content

Getting Started with Zend Framework

- What is Zend Framework?
- Zend Framework Components
- Model-View-Controller

QuickStart

- System Requirements
- Installation
- Setting up Zend Tool
- Creating a Project
- The Bootstrap File
- URLs, Controllers, and Actions
- Adding Controllers and Actions
- Testing the Application
- Using Zend Studio for Eclipse

Controllers and View Scripts

- The Front Controller
- Defining your own Action Controllers
- Passing Data from the Controller to the View
- Escaping the Output
- Rendering View Scripts
- Forwarding vs Redirection

View Scripts

- Introduction to View Scripts
- Zend_View
- Passing Data from the Controller to the View Script
- Escaping Output
- Rendering a View Script
- Forwarding the Request
- Redirecting to Another URL
- Forward vs Redirect

ZF Infrastructure Classes

- Zend_Application
- Zend_Config
- Zend_Registry

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- Zend_Loader
- Zend_Session

Zend Forms

- Creating a Zend Form
- Getting Form Data
- Validating and Filtering Form Data
- Styling Forms

Accessing the Database

- Zend_Db
- Database Adapters
- Acquiring the Database Adapter
- Creating a Connection
- Querying the Database
- Inserting Data
- Updating Data
- Deleting Data
- Closing the Connection
- Table Data Gateway
 - Zend_Db_Table
 - Zend_Db_Table_Row
 - Zend_Db_Table_Rowset

Error Handling

- The ErrorHandler Plugin
- The Default Error Controller and View Script
- Creating Your Own Error Handler Plugin

Zend Layout

- Layout templates
- Setting Up Zend_Layout
- Using View Helpers
- Changing and Disabling Layouts
- Zend_Layout Quickstart

Authentication and Authorization

- Authentication using Zend_Auth
- Access Control using Zend_Acl