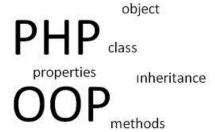
PROFESSIONAL TRAINING COURSE



4 Days Course on Object-Oriented Programming with PHP and MySQL



Advanced Course



Two Sigma Technologies
19-2, Jalan PGN 1A/1, Pinggiran Batu Caves,
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About the Course

PHP is an excellent procedural language and many PHP programmers have never learned OOP. However, since PHP 5 (and especially PHP 5.3), PHP has actually had an exceptionally good set of OOP features that can really improve the structure and maintainability of your apps. Virtually all modern PHP frameworks are now built on OOP architecture. This course is designed to provide a rock-solid foundation in object-oriented programming with PHP. This course teaches PHP developers the advanced concepts required to create robust PHP web applications using object orientation. It also examines common PHP web development tasks like interacting with the file system, querying a database, managing uploaded files, etc.

Prerequisites

All participants must be familiar with the fundamentals of building data-driven PHP web applications.

Target Audience

Software Developers who want to learn how PHP and MySQL can be used for the rapid prototyping and deployment of dynamic websites.

Course Settings

Venue/Date	Refer to Training Calendar
Timings	0900-1700
Inclusive	Certificates and notes
Course Fee	Contact Us at sales@2-sigma.com
Audience	IT Officer, Web Developer and Programmer
Level	Basic to Intermediate

OOP PHP-MySQL Advanced – Schedule

OOP PHP-MySQL Advanced - Schedule		
Day 1		
9.00am – 10.00am	Introduction	
	Installation and Project Setup	
	PHP and MySQL installation	
	Project setup	
10.00am – 10.30am	Breakfast	
10.30am – 1.00pm	Intermediate PHP Techniques	
	Using variable variables	
	Applying more array functions	
	Building dates and times: Epoch/Unix	
	 Formatting dates and times: Strings and SQL 	
	Setting server and request variables	
	Establishing global and static variable scope	
	Making a reference assignment	
	Using references as function arguments	
	 Using references as function return values 	
1.00pm – 2.00pm	Lunch	
2.00pm – 5.00pm	Introduction to Object-Oriented Programming (OOP)	
	 Introducing the concept and basics of OOP 	
	Defining classes	
	Defining class methods	
	Instantiating a class	

	Referencing an instance
	Defining class properties
	OOP in Practice
	Understanding class inheritance
	Setting access modifiers
	Using setters and getters
	Working with the static modifier
	Referencing the Parent class
	Using constructors and destructors
	Cloning objects
	Comparing objects
	Day 2
9.00am – 10.00am	Photo Gallery Project Setup
	Overview of the project
	Creating project and asset directories
	Creating a MySQL database
10.00am - 10.30am	Breakfast
10.30am - 1.00pm	Foundations of an OOP Project
	Creating the MySQL Database class
	Adding queries to the MySQL Database class
	Using the database object
	How OOP is an improvement
	Creating a User class
	Instantiating user objects
	Revising find methods to instantiate
	Creating the Session class
	Logging in using the Session class
	Initializing files and path constants
	Using path content for layout
1.00pm – 2.00pm	Lunch
2.00pm - 5.00pm	Working with Files and Directories
	File system basics
	Understanding file permissions
	Setting file permissions
	Deleting files
	Uploading Files
	Configuring PHP for file uploads
	Sending files as form data
	Inspecting uploaded files
	Uploading errors
	Moving uploaded files
	Day 3
9.00am – 10.00am	Completing the User Class
	Remaining user CRUD
10.00am – 10.30am	Breakfast
10.30am – 1.00pm	Creating users
	Updating users
	Deleting users
	Finding the database attributes

1.00pm – 2.00pm	Lunch		
2.00pm – 5.00pm	 The Photograph Class Starting the Photograph class Coding the Photograph class Saving photographs Uploading photographs Listing photographs Storing messages in the Session class Deleting photographs Displaying photographs in the public area 4m 34s 		
Day 4			
9.00am – 10.00am	 The Comment Class Creating the Comment class Building the comment form 		
10.00am – 10.30am	Breakfast		
10.30am – 1.00pm	Listing commentsReviewing comments in the staff area		
1.00pm – 2.00pm	Lunch		
2.00pm – 5.00pm	 Pagination Understanding the concepts behind pagination Using LIMIT, OFFSET, and COUNT Finding the pagination variables Using the Pagination class Paginating photographs Using pagination links 		
	Conclusion		

More Information

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To register, please email to sales@2-sigma.com or fax the registration form to 03-61880602, we will contact you for further action.