PHP 7 and 5, for object developers to create a web application in OOP

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SII-156   5 Days (35 Hours)

Description

This course will allow you to operationally master the PHP language in the context of object development. You will learn how to create a dynamic website and address the implementation of aspects related to this type of development. The entire course is object oriented.

Who is this training for ?

For whom

Developers and webmasters.
Prerequisites

Aucune

Training objectives

- Master the basics of the PHP language
- Master the basic concepts of Object implementation
- Design and navigate web pages
- Monitor user sessions
- Implement forms
- Manage data persistence

Training program

Introduction

- What is PHP? Interactivity with Internet users.
- The differences between PHP 4, PHP 5 and PHP 7.
- Presentation of the example used during training.
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Bases du langage PHP

- Automation of a Web page.
- The client-server.
- First elements of the language.
- Integration of PHP in a page HTML.
- Variables and functions.
- Libraries.
- Basic functions, server variables and PHP variable.
- Flow controls and loops.
- Practical work Creating custom functions.

Programmation Orientée Objet (POO)

- UML reminder.
- Modeling classes.
- Tools.
- Classes, properties, methods.
- Visibility and protection.
- Constructor, destructor.
- Implicit vs. explicit call.
- Inheritance and aggregation.
- Propagation.
- Polymorphism.
- Serialization and storage.
- Organization of files.
- Practical work Creation of a PageWeb class.

Gestion des sessions utilisateurs

- Persistent variables: Cookies and Session.
- Advantages, limitations and precautions.
- Session variables and related functions.
- Cookies.
- Serialization of complex variables.
- Usage.
- Practical work Creation of a shopping cart object that can be stored in Cookie or Session.
- Order quantity management.

Utilisation d'une base de données MySQL

- Concepts: bases, tables, fields, records.
- PHP Mysqli functions.
- Introduction to the SQL language.
- Queries and processing of results.
- Practical work Creation of a MySQL database and product sheets on the fly.

Une application Web professionnelle

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We are at your disposal : De Lun - Ven 09h00-18h00

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- Multi-layer architecture concepts.
- MVC principles.
- Complex forms.
- Data binding.
- Advanced selection functions: searches and sorting.
- Graphics in PHP: from the GD library.
- Site integration.
- Practical work Production of a search engine.
- Improvement of the SQL class.
- Multi-layer implementation.
- Integration of the different modules produced.

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