PHP Developer (code: LC-PHP)

Overview

Our course is designed for those who:
— want to find a good job as a programmer,
— want to learn the ins and outs of web development,
— are already working as an IT professional, but want to increase their qualifications.

It is nearly impossible to learn programming purely by acquiring the theoretical background or reading books. During our course, we focus on the practice - from the very beginning participants write simple scripts, gradually progressing towards increasingly more complex programs. All this is done under the supervision of experienced programmers, so that students acquire good programming habits from the very beginning .

All classes take place in computer labs and are workshops - in accordance with our motto: *"You can see theory best in practice. "*

Ask for details
Phone +44 203 608 6289
info@alx.training

Duration

80h

Agenda

Basics

1. Introduction to PHP, HTML, CSS, XML
   — Designing websites from the point of view of the developer - HTML and CSS
   — Form elements, POST and GET HTTP request methods
   — Variables, conditions and loops (basic syntax of if ... else, while)
   — The most important features of PHP
2. Working with databases
   — Retrieving data from MySQL and Postgres
   — Modifying data
   — Protecting against SQL injection attacks and Cross Site Scripting

Data Management

1. The use of relational databases
   — Data types in SQL
   — Aggregates, subqueries, different types of joints
   — Differences between MySQL and Postgres
2. Database Design
   — Diagrams, ERD (Entity Relationship Diagram)
   — Creating a project database based on a simple specification of the problem
   — Database normal forms
   — Fundamental issues of efficiency and optimization
   — DDL for MySQL and Postgres
3. Processing and retrieving data in XML format
   — Building an XML document, processing instructions, terminology, coding
   — XPath and XPath queries in practice
   — Integration with network services made □□available on the Internet (eg, GeoIP)
   — SimpleXML

PHP in practice

1. Variables, functions, arrays, strings
   — Pass variables by value and by reference
   — Operations on arrays (searching, sorting, advanced sorting)
   — Operations on strings, regular expressions (regexp)
   — Projection and the problem of implicit casting
2. Supporting e-mail
   — E-mail message headers
   — Character encoding, content types, attachments
3. PHP and Graphics
   — Creating graphics using the GD functions
   — Dynamic graphs
   — Creating thumbnails , gallery
4. Object-Oriented Programming
   — Object syntax and use of existing libraries
   — Designing object-oriented programs: definition of classes syntax, visibility, type of assertion parameters in the methods and functions, the use of interfaces
   — Sample interfaces from SPL library (Standard PHP Library: Iterator, ArrayAccess, DirectoryIterator)
   — Basics of UML class diagrams
   — Basic design patterns
   — Creating a simple application in MVC model (on variant of the Front Controller)
   — Base installation and use of a typical MVC framework on a specific example (Zend Framework)

Presentation layer techniques

1. Javascript
   — Javascript: functions, variables, methods of use in the context of a HTML document
   — DOM model, effects and animation
   — Examples of popular scripts available on the network (effects)
   — Dynamic form validation
   — Introduction to Ajax
2. Smarty System
   — Basic characteristics, Smarty language
   — Smarty templates organization into a hierarchy
   — Introduction to content caching mechanisms built into Smarty
3. Transformations using XSLT templates

Environment
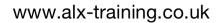
1. Using WinSCP and a simple programming editor to edit and deploy websites on the hosting servers
2. Configuring LAMP environment of the virtual server and using it as a development environment
3. Install Apache + PHP on Windows

Target audience and prerequisites

We do not require the participants to be able to program in any language - a good familiarity with Windows (efficient system management, common programs) and daily use and understanding of the basics of the Internet are sufficient.

Certificates

The participants finish the course with skills sufficient for creating an online store, a discussion forum and Intranet sites. All participants receive a certificate with a detailed list of acquired skills.

The course also provides all necessary information needed to take the Zend Certified Engineer exam, which can be taken at any authorized Pearson VUE testing centre.

Locations

— Warsaw (English) – Jasna 14/16A
— Online (English) – your home, office or wherever you want
— any other location (London, UK, EU) on request

Price

1140 EUR

The price includes:

— course materials,
— snacks, coffee, tea and soft drinks,
— course completion certificate,
— one-time consultation with the instructor after course completion.