

Price: R7,800.00 excl. VAT
Duration: 4.5 days
Code: PHPDV

PHP Development

Description

PHP is a popular scripting language that runs on any web server, and is one of the fastest, easiest and cheapest ways to write web applications. This course will teach you how to develop web-based systems using PHP. You will learn the PHP syntax, how to process form data from a web page, and how to read from and write to a database.

Objectives

After you have completed the PHP Development course, you will be able to:

- Understand the fundamental concepts involved in web application development.
- Develop web applications using PHP.
- Read and debug PHP code.
- Process web form data using PHP.
- Use cookies and sessions to keep track of users.
- Use PHP to read from and write to a database.

Intended Audience

You should attend the PHP Development course if:

- You are a programmer and you want to develop web applications.
- You are a programmer and you need to support web applications written in PHP.
- You are a web developer and you want to add more functionality to your web sites.

Prerequisites

Before you attend the PHP Development course:

- You must have already have programming experience.
- You must have attended our HTML and CSS course or have a good knowledge of HTML and CSS.
- You will find it useful to know some SQL. It is not essential, but it will help you to first attend our SQL Fundamentals course.

Course Contents

Web Development Fundamentals

- History of the WWW.
- Standards - W3C, IETF.
- The HTTP protocol.
- Requests and Responses.
- GET, POST and PUT requests.
- Server Side Includes.
- Server variables.
- CGI - Common Gateway Interface.
- Mixing content with code.
- Cookies for state management.
- HTTP Server extensions.
- PHP and ASP.

- Client side coding - HTML, DOM, Javascript.
- XML and XHTML.
- Web services.
- Publishing content.

Getting Started

- PHP background.
- Supported environments.
- PHP installation and configuration.
- ISAPI, CGI and mod_perl.
- Query PHP with `phpinfo()`.
- Special PHP tags in HTML.
- Display dynamic content.
- Passing data from client via URL or form.
- Setting, reading and deleting cookies.
- PHP's session id cookie.
- Session variables

Language Syntax

- Modules and libraries.
- Comments.
- Iteration and selection statements.
- Literals.
- Variables and constants.
- Scope.
- Keywords.
- Expressions and operators.
- Arrays and lists.
- Associative arrays.
- Regular expressions.

Classes and Structs

- Principles.
- Classes.
- Methods and Properties.
- Constructors.
- Encapsulation.
- Polymorphism.
- Abstraction.
- Inheritance.

Databases in PHP

- Database drivers.
- Basic SQL syntax.
- MySQL examples.
- Connecting to database servers.

- Create and drop tables.
- Insert, update and delete rows.
- Selecting rows.
- Client access to database functionality.
- Presenting data.

Extensions and Techniques

- Dynamic PDF generation.
- Database interfaces.
- Dynamic graphics.
- Session management.
- Serialization.
- Authentication.
- XML parsing.
- File uploads.

*** The lecturer reserves the right to modify the contents of the course to suit the needs of the delegates.*