



Build dynamic web applications with PHP & MySQL

Duration: 4 days - 28 hours

Price : 1 690€ / person

Code: PHP5C1

GOALS

During 4 days, you will develop an e-commerce application linked to a MySQL database in order to get the PHP basics.

PRE-REQUISITES: Mastering HTML & CSS, algorithmic

PUBLIC: Webdevelopers

FULL PROGRAM

INTRODUCTION TO THE WEB AND PHP

- History of the Web
- Client / server principle
- Introduction and history of PHP
- How does PHP work ?
- PHP integration in an HTML web page
- The LAMP platform
- Discover the WAMP Server environment

PHP BASICS

- Comments
- Print text on the screen
- Constants
- Variables
- Functions
- Arrays
- Superglobal variables
- Operators
- Control structures (loops and conditions)
- Cookies
- Sessions
- External files imports, libraries

FILESYSTEM

- Open a text file
- Check if a file exists on the server
- Write contents in a text file
- Read a file's content

DATABASES

- Introduction to databases
- ACID principle
- Tables
- Fields
- Data types
- Primary keys
- Foreign keys and relations
- The SQL language (DDL, DML, DCL and TCL orders)
- Joins
- Transactions
- Access rights

MYSQL 5

- Introduction to MySQL
- Storage engines
- Database creation
- Tables creation
- Add some relations between tables
- Insert initial data in the database
- Create a user with privileges
- PHPMyAdmin and MySQL Query Browser tools

MYSQL AND PHP

- Introduction to MySQLi
- Get connected to a MySQL database
- Execute SQL statements from PHP
- Request the database
- Run prepared statements

ADVANCED FORMS

- Data validation (regexp, empty fields...)
- Display in case of errors
- Data security
- HTML widgets manipulation

IMAGE TREATMENTS

- Introduction to the GD library
- Files upload with forms
- Resizing a picture on the fly
- Filigran integration on a picture

BEST WEBDEVELOPMENT PRACTICES

- Security : user's inputs validation and filtering
- Security : SQL injections protection
- Code refactoring
- Design : introduction to the MVC 1 pattern
- Coding conventions
- Working with an homemade framework
- Configuring Apache

LABS : E-COMMERCE APPLICATION

- Display a products list stored in the database
- Display a dedicated product page
- Generate a drop down list
- Create a functions library
- Create a products cart with cookies and sessions

- Create a form to subscribe to a newsletters
- Create an authentication form
- Create a securised products administration interface (list, create, edit and delete)
- Upload pictures with resizing and treatment