



## PHP 102: Advanced PHP & MySQL

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PHP is the most popular Server Scripting language. It is used to drive many of the largest web sites in the world, and is used to produce dynamic web sites, often driven by a database such as MySQL

MySQL is the most popular open source database, though by no means the only one. It is also behind many of the largest content-based web sites in the world.

This course covers the basic techniques of writing scripts in PHP. It uses modern, best practices, and encourages readable and maintainable code. It also covers the basics of working with a database. Although MySQL is used throughout the course, the material will allow you to easily switch to any of the other popular databases such as PostGreSQL and SQLite.

The PHP techniques covered include:

- Writing Scripts
- Including Files
- Processing Form Data
- Data Calculations
- Working with Images
- Cookies & Sessions
- Working with Database
- File Handling
- Security

At all times, the student is encouraged to follow good design and writing principles, and the examples and exercises are clear and written in a way to facilitate further development.

Throughout the book are summary sections which explain key PHP concepts, and can be used later as a reference.

# PHP 102: Course Outline

## A Review of PHP

### Database

- Create Prints Database
- Create artists Table

### Data Management

- Connecting to the Database
- Displaying Records
- Adding Records
- Editing Records
- Deleting Records
- Uploading Data
- Manipulating Images

### Configuration & Libraries

- Developing Configuration Data
- Scripting Configuration
- Developing Function Libraries

### User Management

- User Login & Security
- Managing User Data
- Managing Passwords

## Shopping Cart

- Creating a Catalogue
- Adding to Shopping Cart
- Display Cart
- Editing & Updating the Cart

## Administration

- Developing and Administration Section
- Process Login & Logout
- Check Admin on Other Pages

## Checkout

- Adding orders to the Database
- Sending Email

## Advanced

- Using Static Classes
- PHP Templates

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