

Course Description: This five day class is broken down into three sections: Part I - learning PHP syntax which weds well with HTML/XHTML; Part II - learning how to create MySQL databases and querying them with SQL; and Part III - applying this knowledge in the development of an application. The student will be able to run three tier applications by the end of the class. The core of the curriculum is focused on the Middle tier using the PHP scripting language to develop the application logic.

Who Should Attend: This course is designed for individuals who have been developing web pages with a GUI and want to progress to developing using a three tier architecture (Client, Middle, and Database).

Prerequisites: Students should have a firm understanding of HTML/XHTML tags and a programming background.

Benefits of Attendance: Upon completion of this course, students will be able to:

- develop three tier applications utilizing: a web browser to display HTML/XHTML code at the Client tier for input and output; PHP scripting language for the Middle tier to tie together the application, and SQL and MySQL for the Database tier. This skills set moves a company's web page from simple display and data gathering to a more personalized, structured, and automated application.

Course Outline:

Discussion of Three Tier Architecture

Client tier
Middle tier
Database tier

Overview of the Case Study - The Winestore

Populating Web pages from a database
User-driven queries/browse
Data Entry and Validation
User Authentication and Management
Reporting

Learning PHP

PHP Basics
Conditions and Branches
Loops
Variables and Arrays
Strings
Functions

MySQL databases

Database Basics
Loading a Database
MySQL command Interpreter
Creating a database
Modifying a database
Administering a database

Developing an application using PHP and MySQL

The Winestore
MySQL functions in PHP
Querying a database
User-Driven Querying
Previous and Next Browsing
Inserts, Updates, and Deletes
User Authentication and Management
Ordering and Shipping