



Dreamweaver Dynamic Application Development

Dreamweaver Dynamic Application Development provides students with the knowledge and hands-on practice they need to create and deploy a dynamic website. This course focuses on using the dynamic features within Dreamweaver to build a dynamic, data-driven application using PHP, WordPress, Zend and Dreamweaver Server Behaviors. Students will create a testing environment, display, update and delete database records and work with a log in system to create a complete dynamic application.

Target Student: This course is for people who want to use Dreamweaver to create data-driven web applications. This course utilizes dynamic features available within Dreamweaver to build a dynamic PHP website that includes WordPress and the Zend Framework.

Prerequisites: Have familiarity with web terminology and understand what is required to develop a static web application. Completion of the Dreamweaver Website Development course or equivalent experience including HTML and CSS. No PHP or database experience is necessary.

Delivery Method: Instructor-led, classroom-delivery learning model with structured hands-on activities.

Benefits: After completing this course, you will be able to create dynamic web sites that interact with users and data. You will learn to work with forms, databases, build and modify a WordPress Content Management System.

What's Next:

Flash Rich Content Creation Add animation and user interaction to your web site with graphics, text and sound effects.

Flash ActionScript Master fundamental programming techniques, including variables and functions, conditions, loops, event handling, and animating with ActionScript.

Acrobat/PDF Learn how to create and secure PDFs for document distribution on the Web.

Fast Track to ColdFusion Build and maintain dynamic and interactive web applications.

Performance-Based Objectives

Upon successful completion of this course, you will be able to:

- Define a site in Dreamweaver to organize and maintain a dynamic website within Dreamweaver
- Understand web servers, application servers and database connections and their role in website development.
- Document your code with the appropriate comments.
- Use forms to manipulate data and web pages.
- Use various SQL statements to populate a web page and display database data.
- Differentiate between client-side and server-side validation.
- Use server behaviors to perform tasks.
- Pass data to and from web pages and to e-mail recipients.
- Manipulate data to perform calculations.
- Work with the WordPress PHP CMS.
- Create static and dynamic forms to insert and modify database data.





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Understanding Dynamic Applications

- Static vs Dynamic Web Pages
- Server-side Language Options
- The Role of an Application Server
- The Importance of a Testing Environment
- An Introduction to SQL
- Development Environment Options
- Creating an Integrated Dynamic Web Development Environment

Why PHP and Why Dreamweaver CS5?

- A Rich Mix of PHP Features
- What Is PHP? What Does It Do?
- A Tour of the Main PHP Features in Dreamweaver CS5

Getting Ready to Develop with PHP

- Setting Up a Local Testing Environment
- Checking Your PHP Installation
- Using Virtual Hosts
- Setting Up a PHP Site in Dreamweaver CS5

A Quick Crash Course in PHP

- How PHP Makes Pages Dynamic
- Taming the Unknown with Variables
- Grouping Related Values in Arrays
- Using Conditions to Make Decisions
- Using Functions to Perform Tasks
- Using Objects and Resources
- Using Operators for Calculations and Joining Strings
- Automating Repetitive Tasks
- Including External Files
- Understanding Error Messages

Restyling a WordPress Site

- Understanding the Structure of a CMS
- Installing WordPress
- Creating a WordPress Theme

Designing and Building Your Own Database

- Working with MySQL
- Creating a Database and Tables
- Creating MySQL User Accounts
- Importing Existing Data

Generating PHP Automatically with Server Behaviors

- What Server Behaviors Do
- Connecting to the Database
- Inserting Records into a Table
- Creating a Login System
- Displaying, Updating, and Deleting Records
- Evaluating the Server Behaviors

Validating Input on the Server

- Introducing the Zend Framework
- Improving the Registration Form
- Authenticating User Credentials with Zend_Auth

Zending Email

- How PHP Handles Email
- Stopping Spam with a CAPTCHA
- Processing User Feedback
- Processing Other Form Elements
- Resetting Forgotten Passwords
- Unsubscribing Registered Users

Uploading Images and Other Files

- Understanding How PHP Uploads Files
- Creating an Upload Form
- Using Zend_File for Uploads
- Sending Email Attachments

Inserting Data into Multiple Tables

- Assessing the Task
- Creating the Database Structure
- Building the CMS