



Dreamweaver Dynamic Application Development

Dreamweaver Dynamic Application Development provides students with the knowledge and hands-on practice they need to build a web application with Dreamweaver. This course, which is Windows based, focuses on teaching the fundamentals of the Dreamweaver interface, web programming languages, and databases to build a dynamic, data-driven application in ColdFusion, ASP, or PHP.

Target Student: This course is for people who want to use Dreamweaver to create data-driven web applications.

Prerequisites: Be comfortable working with the Windows operating system. 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.

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 and databases and build several interactive websites.

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 its web pages, and create a basic web page by typing text and applying character and paragraph formatting.
- Pass data to and from web pages and to e-mail recipients.
- Understand how databases work and their role in website development.
- Manipulate data to perform calculations.
- Document your code with the appropriate comments.
- Use various SQL statements to populate a web page.
- Use forms to manipulate data and web pages.
- Build update pages.
- Use sessions to authenticate users.
- Differentiate between client-side and server-side validation.
- Create search strings and pages.





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Introducing Dreamweaver and Newland Tours

Defining a Static Site
Assessing the Site: The Code and Business Processes

Dynamic Web Sites

Dynamic Web Site Basics
Choosing a Server Model
Redefining the Newland Tours Site for Dynamic Development
Developing with a Local Server
Setting up a Local Environment for IIS/ASP
Developing with a Remote Server
Defining a Dynamic Site in Dreamweaver
Building a Simple, Dynamic Application

Passing Data Between Pages

Understanding HTTP Protocol
Retrieving Data from the URL
Sending Data with Hyperlinks
Setting and Retrieving Cookies

Sending Email from a Web Form

Introducing SMTP Email Service
Configuring Your System to Send SMTP Email Messages
Configuring IIS to Send Email (ASP, ColdFusion, PHP)
Writing the Code to Send a Message
Understanding Objects, Methods, and Properties
Creating the Web Form
Emailing Dynamic Form Values
Client-Side Form Validation

Building a Tour Price Calculator

Creating the Pages
Building the Form
Collecting, Processing, and Displaying the Data
Adding Server-Side Form Validation
Creating the Conditional Region
Creating and Applying a Custom CSS Class

Databases on the Web

Introducing Database Objects
Databases on the Web
Database Security and the Web
Installing the Newland Tours Database in MySQL
Touring the Newland Database
Connecting to a Database
Retrieving Recordsets and Displaying Database Information

Completing the Price Calculator

Dynamically Populated Drop-Down Menus
Creating Filtered Recordsets
Revising the Calculation Script with Live Data
Documenting Code with Comments

Filtering and Displaying Data Using Ajax

Passing and Using Data with Ajax
Expanding Dreamweaver with Extensions
Turning a Recordset into XML
Building a Spry Table
Styling the Spry Table
Creating Spry Regions
Displaying with Spry Accordion
Looking Up Foreign Table Data with SQL
Refining Page Display Using CSS Styling and Positioning

Building Search Interfaces

Inserting Images and alt Attributes
Implementing Recordset Paging
Passing Data to Other Applications
Searching by Region: Building the Interfaces
Modifying SQL Statements According to Environmental Variables

Authenticating Users

User Authentication as a Web Application
Building the Registration Pages
Building the Log-in Page
Creating an Application.cfm (CF only)
Restricting Access to Pages

Managing Content with Forms

Creating the Admin Section
Formatting Content Stored in a Database
Creating the Form Interface
Using Session Variables and Hidden Fields to Track Users
Inserting the Record

Building Update Pages

Preparing the Pages
Planning Master-Detail Pages
Making the Detail Page Updatable