

# Dreamweaver 8 Dynamic Apps

**Duration:** 3 Days

## Course Overview:

This 3-day course is designed to move students from creating static web pages to creating dynamic sites that are interactive, easy to maintain, and compliant with current Web design standards. Using Dreamweaver in conjunction with a programming language, students will learn how to retrieve information from a database and display it on a Web page, enable drill-down functionality through which users can view detailed information on demand, and display subsets of data through a recordset navigation system. Students will also learn how to enable database-driven searching capabilities and add email-sending features to their Web sites.

## Students Learn How To:

- Add dynamic elements to a Web page and build dynamic site navigation into an existing Web site
- Build a form and a Web page that retrieves information from a database
- Deploy a Web site for public viewing
- Create a data drill-down application in which Web pages retrieve detailed records based on user selections
- Create an application that displays subsets of records selected by the user on demand
- Add features to a database-driven Web site that enable users to search the database for records and display the results
- Create functions and custom tags that enable you to easily reuse code within a single page or many pages

**Who Should Attend:** Anyone who needs to create a powerful, dynamic Web site that interacts with a lot of ever-changing data and is able to be deployed quickly.

**Prerequisites:** This course is designed for the experienced computer user who understands Internet functionality, is experienced with HTML (particularly HTML forms), has taken Dreamweaver Introduction and understands database concepts.

## Course Outline:

### Introduction to Newland Tours

#### Upgrading to XHTML

Upgrading to the XHTML Document Type  
Replacing Strings in Source Code  
Replacing Tags & Stripping Tags  
Closing Empty Tags that have Attributes  
Finding Images without the Alt Attribute  
Validating Your XHTML

#### Creating The Presentation Layer

Redefining HTML Elements with CSS  
Creating and Applying Custom CSS Styles  
Creating a Reusable Template  
Enhancing Accessibility with Invisible Navigation

#### 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, ColdFusion, or Apache/PHP  
Developing with a Remote Server  
Defining a Dynamic Site in Dreamweaver (All Users)  
Building a Simple, Dynamic Application

#### Passing Data Between Pages

Understanding the HTTP Protocol  
Retrieving Data from the URL  
Sending Data with Hyperlinks  
Setting and Receiving 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 Users)  
Configuring ColdFusion to Send Email  
Writing 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 Pages and 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

A Crash Course on Databases  
Introducing Database Objects  
Understanding Relationships  
Databases on the Web  
Database Security and the Web  
Installing and Running 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 Your Code with Comments

### Filtering and Displaying Data

Preparing the Input Page  
Generating URLs Dynamically  
Preparing the Output Page  
Populating Page Layouts Dynamically  
Adding Dynamic Images and Formatting the Population Number  
Looking Up Foreign Table Data With SQL

### Building the Tour Descriptions

Planning the Application  
Creating Recordsets with Joins  
Building the Descriptions  
Inserting the Images and alt Attributes  
Implementing Recordset Paging  
Passing Data to Other Applications

### Building Search Interfaces

Preparing the Search Page and Creating the Search All Link  
Searching by Region: Building the Interfaces

### Building Search Interfaces (cont.)

Revising the Query and Commenting Code for Testing and Debugging  
Suppressing the Navigation Bar  
Searching by Country: Filtering by Form Variable  
Switching SQL Statements According to Environmental Variables

### Authenticating Users

User Authentication as a Web Application  
Building the Registration Pages  
Building the Log-in Page  
Creating Application.cfm (ColdFusion Only)  
Ensuring Session Management is Enabled (Windows PHP Users Only)  
Restricting Access to Pages

### Managing Content with Forms

Creating the Admin Section  
Two Approaches to 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 for the Master-Detail Pages  
Making the Detail Page Updateable

### Hand-coding a Basic CMS

Preparing the Content Management System  
Building the Form and Hand-coding a Recordset  
Adding the Insert Functionality  
Creating the Master Page  
Creating the Update Record Page Detail  
Adding the Update Functionality  
Adding the Delete Functionality  
Where to Go from Here