

**Dreamweaver MX 2004: Dynamic Application Development**
Length: 3 days

Macromedia Dreamweaver MX 2004: Dynamic Application Development provides students with no prior Dreamweaver experience the knowledge and hands-on practice they need to build a web application with Dreamweaver. This course 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. Along with focusing on the basics of developing applications with Dreamweaver MX, the course will also focus on best practices to use when creating applications.

This course is for people new to Dreamweaver (or who have used it only to build static web sites) that want to use it to create data-driven web applications.

Objectives

Upon completion of this course, you should be able to:

- Use the Dreamweaver MX development environment including creating and managing sites.
- Understand dynamic application development
- Accessing and sending information between pages
- Create a dynamic form to send information via the web
- Understand form validation
- Communicating with a database via the web
- Create a dynamic form
- Adding and updating database information via the web
- Understand and set up web based security using user authentication

Course Outline**Unit 1: Introducing Dreamweaver MX**

Defining a static site
Creating the "Contact an Agent" page
Creating a new page based on an existing page
Working in design view, code view, and split view
Inserting and formatting text
Inserting images from the Insert bar
Creating tables
The Property inspector, the Properties panel (of the Selection panel group)

Unit 2: Dynamic Web Sites

Dynamic web site basics
Choosing a server model
Redefining the Newland Tours site for dynamic development
Developing with a local server
Developing with a remote server
Building a simple, dynamic application
Unit 3: Passing Data Between Pages
Understanding the HTTP protocol
Retrieving data with query strings/URL variables
Retrieving data with hyperlinks
Setting and retrieving cookies

Unit 4: Sending E-mail From a Web Form

Introducing SMTP e-mail service
Configuring your system to send SMTP e-mail
Writing the code to send a message
Introducing objects, methods/functions, and properties
Creating the web form
E-mailing dynamic form values
Client-side form validation

Unit 5: 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

Unit 6: Databases on the Web

A crash course on databases
Touring the Newland database
Connecting the site to a database
Creating recordsets and displaying database information

Unit 7: Completing the Price Calculator

Dynamically populated drop-down menus
Creating filtered recordsets
Revising the calculation script with live data
Documenting your code with comments

Unit 8: 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

Unit 9: Building the Tour Descriptions

Planning the application
Creating recordsets with joins
Building the descriptions
Inserting images and alt attributes
Implementing recordset paging
Passing data to other applications

Unit 10: Building Search Interfaces

Preparing the search page and creating the Search All link
Searching by region: building the interfaces
Commenting code for testing and debugging
Suppressing the navigation bar conditionally
Searching by country: filtering by form variable
Switching SQL statements according to environmental variables

Unit 11: Authenticating Users

User authentication as a web application
Building the registration pages
Building the log-in page
Creating an Application.cfm (CF only)
Enabling sessions in PHP
Restricting access to pages

Unit 12: 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

Unit 13: Building Update Pages

Preparing the pages
Planning master-detail pages
Making the detail page updateable

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