jQuery

JQUERY TRAINING COURSE SYNOPSIS

Learn how to add sophisticated interactivity to web pages using jQuery. This class starts with an easy introduction to JavaScript and jQuery suitable for non-programmers. It then explores how jQuery can be used to perform advanced tasks with simple, concise code. Any web developer wishing to learn how to create engaging, event-driven web interfaces should take this class.

PREREQUISITES FOR THIS JQUERY TRAINING COURSE

This class is intended for web designers and developers who are familiar with HTML and CSS. No programming or JavaScript experience required.

WHAT YOU WILL LEARN IN THIS JQUERY TRAINING COURSE

Make your pages interactive. Create JavaScript events that react to visitor actions
Use animations and effects. Build drop-down navigation menus, pop-ups, automated slideshows, and more
Improve your user interface. Learn how the pros make websites fun and easy to use
Collect data with web forms. Create easy-to-use forms that ensure more accurate visitor responses
Add a dash of Ajax. Enable your web pages to communicate with a web server without a page reload
Practice with living examples. Get step-by-step tutorials for web projects you can build yourself

JQUERY TRAINING COURSE LENGTH AND TIME

This class is 2 days long. Class time is 9:00 a.m.- 4:00 p.m. Breaks are scheduled throughout the day and lunch is typically scheduled 12-1. Students provide their own lunch.

JQUERY COURSE - ENROLLMENT

Please see our Enrollment Page (http://www.ledet.com/enroll) for our enrollment form.

LOCATIONS FOR THIS JQUERY TRAINING COURSE

We have training centers in Atlanta, Houston, Chicago, Denver, San Diego and Washington DC. We also offer classes at a network of rental facilities. We offer private onsite training and instructor-led, live online training. If coming to a rental facility, please double-check the location of your class with our office to make sure you get to the right location.

GOALS FOR THIS JQUERY TRAINING COURSE

Sterling Ledet and Associates realizes the importance of education and we take pride in being able to offer you classes that are more custom fit to your needs. Call us at (877) 819-2665 if you have any special questions or e-mail us at sales@ledet.com.

DISCLAIMER

Our goal is to make sure your class meets your objectives, not ours. Therefore, all of our outlines are treated as guides to help steer the workshop. This outline does not guarantee that all the topics listed will be covered in the time allowed. The amount of material covered is based on the skill level of the student audience. We may change or alter course topics to best suit the classroom situation.

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LESSON 1 - WRITING YOUR FIRST JAVASCRIPT PROGRAM

Introducing Programming
How to Add JavaScript to a Page
Your First JavaScript Program
Writing Text on a Web Page
Attaching an External JavaScript File
Tracking Down Errors

LESSON 2 - THE GRAMMAR OF JAVASCRIPT

Introducing Programming
Statements
Built-In Functions
Types of Data
Variables
Working with Data Types and Variables
Using Variables to Create Messages
Asking for Information
Arrays
Writing to a Web Page Using Arrays

LESSON 3 - ADDING LOGIC AND CONTROL TO YOUR PROGRAMS

Making Programs React Intelligently
Using Conditional Statements
Handling Repetitive Tasks with Loops
Turn Useful Code Into Reusable Commands

LESSON 4 - INTRODUCING JQUERY

About JavaScript Libraries
Getting jQuery
Adding jQuery to a Page
Modifying Web Pages: An Overview
Understanding the Document Object Model
Selecting Page Elements: The jQuery Way
Adding Content to a Page
Setting and Reading Tag Attributes
Reading, Setting, and Removing HTML Attributes
Acting on Each Element in a Selection
Automatic Pull Quotes

LESSON 5 - ACTION/REACTION: MAKING PAGES COME ALIVE WITH EVENTS

What Are Events?
Using Events the jQuery Way
Introducing Events
More jQuery Event Concepts
Advanced Event Management

LESSON 6 - ANIMATIONS AND EFFECTS

jQuery Effects
Login Slider
Animations
Performing an Action After an Effect Is Completed
Animated Dashboard

LESSON 7 - IMPROVING YOUR IMAGES

Swapping Images
Adding Rollover Images
Photo Gallery with Effects
Advanced Gallery with jQuery FancyBox
FancyBox Photo Gallery

LESSON 8 - IMPROVING NAVIGATION

Some Link Basics
Opening External Links in a New Window
Creating New Windows
Opening Pages in a Window on the Page
Basic, Animated Navigation Bar

LESSON 9 - ENHANCING WEB FORMS

Understanding Forms
Adding Smarts to Your Forms
Basic Form Enhancements
Form Validation
Validation Tutorial

LESSON 10 - EXPANDING YOUR INTERFACE

Organizing Information in Tabbed Panels
Adding a Content Slider to Your Site
Determining the Size and Position of Page Elements
Adding Tooltips

LESSON 11 - INTRODUCING AJAX

What Is Ajax?
Ajax: The Basics
Ajax the jQuery Way
JSON

LESSON 12 - FLICKR AND GOOGLE MAPS

Introducing JSONP
Adding a Flickr Feed to Your Site
Adding Google Maps to Your Site

LESSON 13 - GETTING THE MOST FROM JQUERY

Useful jQuery Tips and Information
Using the jQuery Docs
Traversing the DOM
More Functions For Manipulating HTML
Advanced Event Handling

LESSON 15 - TROUBLESHOOTING AND DEBUGGING

Top JavaScript Programming Mistakes
Debugging with Firebug
Debugging Tutorial