

JavaScript/jQuery Course Content

Part I: Getting Started with JavaScript

Chapter 1. Writing Your First JavaScript Program

- Section 1.1. Introducing Programming
- Section 1.2. How to Add JavaScript to a Page
- Section 1.3. Your First JavaScript Program
- Section 1.4. Writing Text on a Web Page
- Section 1.5. Attaching an External JavaScript File
- Section 1.6. Tracking Down Errors

Chapter 2. The Grammar of JavaScript

- Section 2.1. Statements
- Section 2.2. Commands
- Section 2.3. Types of Data
- Section 2.4. Variables
- Section 2.5. Working with Data Types and Variables
- Section 2.6. Tutorial: Using Variables to Create Messages
- Section 2.7. Tutorial: Asking for Information
- Section 2.8. Arrays
- Section 2.9. Tutorial: Writing to a Web Page Using Arrays
- Section 2.10. Comments

Chapter 3. Adding Logic and Control to Your Programs

- Section 3.1. Making Programs React Intelligently
- Section 3.2. Tutorial: Using Conditional Statements
- Section 3.3. Handling Repetitive Tasks with Loops
- Section 3.4. Functions: Turn Useful Code Into Reusable Commands
- Section 3.5. Tutorial: A Simple Quiz

Chapter 4. Working with Words, Numbers, and Dates

- Section 4.1. A Quick Object Lesson
- Section 4.2. Strings
- Section 4.3. Finding Patterns in Strings
- Section 4.4. Numbers
- Section 4.5. Dates and Times
- Section 4.6. Tutorial

Chapter 5. Dynamically Modifying Web Pages

- Section 5.1. Modifying Web Pages: An Overview
- Section 5.2. Understanding the Document Object Model
- Section 5.3. Introducing JavaScript Libraries
- Section 5.4. Selecting Page Elements (Revisited)
- Section 5.5. Adding Content to a Page
- Section 5.6. Setting and Reading Tag Attributes
- Section 5.7. Reading, Setting, and Removing HTML Attributes
- Section 5.8. Creative Headlines
- Section 5.9. Acting on Each Element in a Selection
- Section 5.10. Automatic Pull Quotes

Chapter 6. Action/Reaction: Making Pages Come Alive with Events

- Section 6.1. What Are Events?
- Section 6.2. Using Events with Functions
- Section 6.3. Tutorial: Highlighting Table Rows
- Section 6.4. More jQuery Event Concepts
- Section 6.5. Advanced Event Management
- Section 6.6. Tutorial: A One-Page FAQ

Chapter 7. Improving Your Images

- Section 7.1. Swapping Images
- Section 7.2. Tutorial: Adding Rollover Images
- Section 7.3. jQuery Effects
- Section 7.4. Tutorial: Photo Gallery with Effects
- Section 7.5. Advanced Gallery with jQuery lightBox
- Section 7.6. Tutorial: lightBox Photo Gallery
- Section 7.7. Animated Slideshows with Cycle
- Section 7.8. Tutorial: An Automated Slideshow

Part II: Building Web Page Features

Chapter 8. Improving Navigation

- Section 8.1. Some Link Basics
- Section 8.2. Opening External Links in a New Window
- Section 8.3. Creating New Windows
- Section 8.4. Opening Pages in a Window on the Page
- Section 8.5. Tutorial: Making Bigger Links
- Section 8.6. Animated Navigation Menus

Chapter 9. Enhancing Web Forms

- Section 9.1. Understanding Forms
- Section 9.2. Adding Smarts to Your Forms
- Section 9.3. Tutorial: Basic Form Enhancements
- Section 9.4. Form Validation
- Section 9.5. Validation Tutorial

Chapter 10. Expanding Your Interface

- Section 10.1. Hiding Information with Accordion Panels
- Section 10.2. Organizing Information in Tabbed Panels
- Section 10.3. Tooltips
- Section 10.4. Creating Sortable Tables

Part III: Ajax: Communicating with the Web Server

Chapter 11. Introducing Ajax

- Section 11.1. What Is Ajax?
- Section 11.2. Ajax: The Basics
- Section 11.3. Ajax the jQuery Way
- Section 11.4. JSON

Chapter 12. Basic Ajax Programming

Section 12.1. Tabs Plug-in
Section 12.2. Adding Google Maps to Your Site

