
JQUERY

1: Introduction to jQuery

1.1. What is jQuery?

- 1.1.1. Introduction to JavaScript Libraries
- 1.1.2. Advantages of Using jQuery

1.2. Setting Up jQuery

- 1.2.1. Downloading and Including jQuery
- 1.2.2. jQuery Syntax and Basics

2: jQuery Selectors and Events

2.1. jQuery Selectors

- 2.1.1. Basic Selectors (ID, Class, Element)
- 2.1.2. Advanced Selectors (Attribute, Pseudo)

2.2. Handling Events

- 2.2.1. Event Binding and Event Types
- 2.2.2. Event Delegation and Event Object

3: DOM Manipulation with jQuery

3.1. Modifying Elements

- 3.1.1. Changing Content and Attributes
- 3.1.2. Adding and Removing Elements

3.2. Traversing the DOM

- 3.2.1. Moving Up and Down the DOM Tree
- 3.2.2. Filtering and Finding Elements

4: jQuery Effects and Animation

4.1. Show and Hide Effects

- 4.1.1. Displaying and Hiding Elements



- 4.1.2. Animation Speed and Easing

4.2. Custom Animations

- 4.2.1. Creating Custom Animations
- 4.2.2. Callback Functions in Animation

5: AJAX and jQuery

5.1. AJAX Basics with jQuery

- 5.1.1. Making AJAX Requests
- 5.1.2. Handling AJAX Responses

5.2. Working with JSON Data

- 5.2.1. Parsing JSON Responses
- 5.2.2. Displaying Dynamic Content

6: jQuery Plugins

6.1. Popular jQuery Plugins

- 6.1.1. Carousel and Slider Plugins
- 6.1.2. Lightbox and Form Validation Plugins

6.2. Creating Custom jQuery Plugins

- 6.2.1. Plugin Development Basics
- 6.2.2. Extending jQuery Functionality

7: jQuery UI

7.1. jQuery UI Widgets

- 7.1.1. Using UI Widgets (e.g., Datepicker, Accordion)
- 7.1.2. Customizing UI Widgets

7.2. Interactions and Effects

- 7.2.1. Draggable and Sortable Interactions
- 7.2.2. Effects and Animations in jQuery UI



8: jQuery Mobile

8. Building Mobile-Friendly Web Apps with jQuery Mobile

8.1. Mobile Web Development Basics

- 8.1.1. Designing for Mobile Devices
- 8.1.2. Responsive Web Design

8.2. jQuery Mobile Features

- 8.2.1. Creating Mobile UIs
- 8.2.2. Mobile Navigation and Page Transitions

9: Advanced jQuery Techniques

9.1. Deferred and Promises

- 9.1.1. Working with Asynchronous Code
- 9.1.2. Deferred Objects and Promises

9.2. Performance Optimization

- 9.2.1. Improving jQuery Code Performance
- 9.2.2. Reducing DOM Manipulations

10: jQuery Best Practices and Project

10.1. jQuery Best Practices

- 10.1.1. Coding Standards and Performance Tips
- 10.1.2. Cross-Browser Compatibility

10.2. Building a jQuery-Based Web Application

- 10.2.1. Project Planning and Design
- 10.2.2. Implementation and Project Presentation

11: jQuery in Modern Web Development

11.1. Integration with Other Technologies

- 11.1.1. jQuery and JavaScript Frameworks (e.g., React, Angular)



- 11.1.2. Using jQuery with Node.js and Backend Technologies

11.2. jQuery and the Future of Web Development

- 11.2.1. Trends and Evolution of jQuery

- 11.



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