jQuery Essentials | Course Overview

COURSE DESCRIPTION

jQuery is a cross-browser JavaScript library designed to simplify the client-side scripting of HTML with JavaScript and is an excellent follow-on from the 2 day introduction to JavaScript course. jQuery offers a wide range of plugins available for various specific needs and is relatively easy to learn as it uses familiar CSS syntax. The JavaScript framework dramatically improves how you add interactivity and animation to your website.

WHAT YOU WILL LEARN

- Instantly transform page elements
- Create animations that work
- Build cool UI widgets to wow your clients
- Simple methods to add power to your designs
- Strategies for advanced plugin development
- How to simplify the handling of AJAX requests
- Best practice code organisation methods

WHO SHOULD ATTEND & PREREQUISITE

Since jQuery is a JavaScript library that uses a CSS-like language to select elements on the page, you need to have a working understanding of both JavaScript and CSS.

$~~900~~ $850 (+GST)

2 DAYS | 9–4:30PM

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Course outline

BENEFITS OF JQUERY

Cross-browser Compatibility
CSS3 Selectors
Helpful Utilities
jQuery UI
Plugins
Keeping Markup Clean
Widespread Adoption

DOWNLOADING AND INCLUDING JQUERY

Downloading jQuery
The Google CDN
Nightlies and Subversion
Uncompressed or compressed?

ANATOMY OF A JQUERY SCRIPT

The jQuery Alias
Dissecting a jQuery Statement

SELECTING: THE CORE OF JQUERY

Simple Selecting
Narrowing Down Our Selection
Testing Our Selection
Filters
Selecting Multiple Elements
Becoming a Good Selector

DECORATING: CSS WITH JQUERY

Reading CSS Properties
Setting CSS Properties
Classes

ENHANCING: ADDING EFFECTS WITH JQUERY

Hiding and Revealing Elements
Progressive Enhancement
Adding New Elements
Removing Existing Elements
Modifying Content
Basic Animation: Hiding and Revealing with Flair
Callback Functions

ANIMATING

Animating CSS Properties
Colour Animation
Easing
Bouncy Content Panes
The Animation Queue
Chaining Actions
Pausing the Chain
Animated Navigation
The jQuery User Interface Library

SCROLLING

The 'scroll' Event
Floating Navigation
Scrolling the Document
Custom Scroll Bars

RESIZING

The resize Event
Resizable Elements

IMAGES

Custom Lightboxes
Troubleshooting with console.log
ColorBox: A Lightbox Plugin
Cropping Images with Jcrop

SLIDESHOWS

Cross-fading Slideshows
Scrolling Slideshows
iPhoto-like Slideshow widget

MENUS

Expandable/Collapsible Menus
Open/Closed Indicators
Menu Expand on Hover
Drop-down Menus

ACCORDION MENUS

A Simple Accordion
Multiple-level Accordions
jQuery UI Accordion

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jQuery

TABS
Basic Tabs
jQuery UI Tabs

PANELS AND PANES
Slide-down Login Form
Sliding Overlay

TOOLTIPS
Simple Tooltips
Advanced Tooltips

CONSTRUCTION AND BEST PRACTICES
Cleaner jQuery
Client-side Templating

FORMS
Simple Form Validation
Form Validation with the Validation Plugin
Maximum Length Indicator
Form Hints
Check All Checkboxes

CONTROLS
Date Picker
Sliders
Drag and Drop
jQuery UI sortable
Progress Bar

LISTS
jQuery UI Selectables
Sorting Lists
Manipulating Select Box Lists

TABLES
Fixed Table Headers
Repeating Header
Data Grids
Selecting Rows with Checkboxes

"Another wonderfully run course - a friendly, knowledgable and easy to understand tutor - very patient! The course has really helped my understanding of more complex web design. 10/10!"

A Barnaby, Graphic Designer

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