

jQuery Essentials | Course Overview

COURSE DESCRIPTION

jQuery is a very popular JavaScript library designed to simplify cross-browser coding with JavaScript and is an excellent follow-on from our two-day introduction to JavaScript course. This course will teach you how to dramatically speed up and facilitate the process of adding interactivity and animation to your website. JQuery uses a familiar CSS syntax and provides fast and concise coding capabilities. JQuery also offers a wide range of plugins available for various specific elements including popular user interface elements such as image sliders and responsive navigation.

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

This advanced level course is for people who have either completed our 2 Day JavaScript course or have equivalent experience.

From: **\$995** (+GST)

PER DAY | 9-4:30PM

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*Conditions apply

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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

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