jQuery Introduction

Category: Software Development & Programming | **Vendor:** Various

Duration: 32.00 hours (4 days) **26.0 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

jQuery simplifies the process of creating powerful Web 2.0 applications with dynamic content and visual effects. In this training course, you gain the knowledge and skills to apply jQuery as a tool for rapidly developing feature-rich websites — including how to build standards-compliant responsive web pages with Ajax, design easy-to-use forms, extend jQuery with plugins, and improve user experience.

About This Course

jQuery simplifies the process of creating powerful Web 2.0 applications with dynamic content and visual effects. In this training course, you gain the knowledge and skills to apply jQuery as a tool for rapidly developing feature-rich websites — including how to build standards-compliant responsive web pages with Ajax, design easy-to-use forms, extend jQuery with plugins, and improve user experience.

Prerequisites & Entry Requirements

General Prerequisites:

Experience at the level of:

- Developing a Website, or equivalent experience with HTML and CSS

Recommended Experience:

- JavaScript
- Basic programming concepts

Learning Outcomes

Upon successful completion of this course, participants will be able to:

- Rapidly develop dynamic Web 2.0 applications with jQuery, HTML, CSS, and Ajax
- Create browser-independent, rich client interfaces
- Enhance HTML forms to use jQuery validation and call web services
- Develop and integrate plugins and incorporate UI components
- Build touch-optimised, cross-device web pages with jQuery Mobile

Detailed Course Outline

jQuery Fundamentals

- Traversing HTML with the jQuery() function
- Introducing the Sizzle CSS selector engine
- Matching nodes by element name, ID, class, position, content, behaviourand context
- Chaining calls to the jQuery() function

Manipulating the Document Object Model (DOM) for Cross-Browser DHTML

Adding and replacing content with jQuery

- Updating, adding and deleting element content
- Inserting nodes into the DOM and manipulating parents and siblings

Dynamically assigning CSS properties

- Adding and removing CSS rules and classes

- Controlling element size and position

Creating accessible, unobtrusive JavaScript

- Leveraging the .ready() method

- Assigning event handlers programmatically

Animating Web Pages with jQuery Effects

Enhancing pages with animations

- Controlling visibility with .hide(), .show() and .toggle()

- Combining animations and responding to callbacks

- Leveraging object literals to control animations

- Developing custom animations with .animate()

Building Responsive Pages with Ajax

Updating page components asynchronously

- Downloading HTML with the .load() method

- Calling web services with .get() and .post()

- Replacing callbacks with chained deferred objects

- Combining Ajax calls with .when() and .then()

Converting serialised server data to HTML

- Retrieving JSON with .getJSON()
- Returning and parsing XML with .ajax()

Designing User-Friendly Forms

Exploring jQuery tools for forms manipulation

- Selecting and setting focus on the first element
- Responding to focus and blur events
- Providing real-time feedback via keyboard events
- Integrating a validation plugin

Extending jQuery with Plugins

Integrating popular plugins

- Leveraging contributions from the jQuery community
- Extracting embedded data from semantic HTML
- Manipulating images with slide shows and carousels

Developing jQuery plugins

- Conforming to best practices and naming conventions
- Handling multiple elements
- Enabling method chaining
- Aliasing $ to avoid namespace conflicts
- Consuming object literals to override defaults

Creating Sophisticated User Interfaces with jQuery UI

Integrating widgets for highly interactive web applications

- Optimising screen real estate with accordions and tabs
- Adding resizable, floating windows with dialogue
- Providing input assistance with autocomplete

Implementing effects

- Creating colouranimations with .animate()
- Leveraging complex animation easings and effects

Adding Web 2.0 functionality

- Resizing HTML elements
- Building drag-and-drop user interfaces

Building Cross-Platform Mobile Pages with jQuery Mobile

Working with mobile pages and controls

- Structuring pages with HTML5 data-* attributes
- Saving space with listviews and collapsible blocks
- Initialising pages with pageinit and handling touch events

Skills You Will Learn:

- Rapidly develop dynamic Web 2.0 applications with jQuery, HTML, CSS, and Ajax
- Create browser-independent, rich client interfaces
- Enhance HTML forms to use jQuery validation and call web services
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Frequently Asked Questions

Q: What delivery options are available for jQuery Introduction?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 4-day jQuery Introduction course provides up to 26.0 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the jQuery Introduction training?

The training takes place over 4 day(s), with each day lasting approximately 32.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for jQuery Introduction?

Yes, we provide corporate training, dedicated training, and closed classes for jQuery Introduction. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: jQuery Introduction, Programming, JQINT

Q: Why choose Nexus Human for jQuery Introduction?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your jQuery Introduction training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

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