

PROFESSIONAL TRAINING COURSE



4 Days Course on
JQuery Essential



Two Sigma Technologies

Suite B, 19-2, Jalan PGN 1A/1, Pinggiran Batu Caves,
68100 Batu Caves, Selangor

Tel : 03-61880601/Fax :03-61880602

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About The Course

jQuery is a popular JavaScript library that simplifies event handling, animating, and Ajax interactions for rapid web development. This course teaches you how to tap into the power of jQuery to build extremely rich, yet elegant web UIs using one of the most simple and popular cross-browser JavaScript libraries out there.

Objectives

- Learn to incorporate the most recent version of jQuery into Web pages.
- Learn to use jQuery in conjunction with other JavaScript libraries.
- Learn to perform DOM manipulations using jQuery selectors and wrapped set methods.
- Learn to initiate Ajax requests with jQuery and how to handle responses in plain text, HTML and XML formats.
- Learn to author plugins that extend jQuery's native functionality.
- Learn to incorporate the most recent version of jQuery UI into Web pages.
- Understand how jQuery UI extends a number of jQuery animation methods.
- Learn to make use of jQuery UI's additional animation effects.
- Learn to implement jQuery UI interaction helpers.
- Learn to create and configure jQuery UI user interface components.
- Understand the basics of the jQuery UI plugin architecture.

Prerequisites

Experience in Java Script and HTML

Course Settings

Venue/Date	Refer to Training Calendar
Timings	0900-1700
Inclusive	Certificates and notes
Course Fee	Contact Us at sales@2-sigma.com
Audience	IT Officer, Web Developer and Programmer

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JQuery Essential – 4 Days Schedule

Day 1	
9.00am – 10.00am	Essential jQuery <ul style="list-style-type: none"> • About jQuery • Getting Started with jQuery • Selecting Page Elements by ID • Selecting a Set of Elements
10.00am – 10.30am	Breakfast
10.30am – 1.00pm	<ul style="list-style-type: none"> • Selecting Elements by Style • Running Code When a Page Is Ready • Selecting the First of a Set of Elements • Showing and Hiding Page Elements • Selecting One of a Set of Elements • Specifying Elements in a Hierarchy • Creating Visual Effects • Creating New HTML Elements
1.00pm – 2.00pm	Lunch
2.00pm – 5.00pm	Selecting Elements the jQuery Way <ul style="list-style-type: none"> • Selector Examples • Meeting the Selectors • Selecting Direct Descendants • Selecting First and Last Children • Selecting the Nth Child • Selecting Elements with Specific Text • Selecting Elements by Attribute • Selecting Elements by Attribute Value • Checking the Type of Matched Elements • Selecting Elements by Position • Examining Checked Boxes and Radio Buttons • Examining Elements That the User Selected
Day 2	
9.00am – 10.00am	Working with Elements the jQuery Way <ul style="list-style-type: none"> • Function Examples • Looping over Elements in a Wrapped Set • Reading Attribute Values
10.00am – 10.30am	Breakfast
10.30am – 1.00pm	<ul style="list-style-type: none"> • Setting Attribute Values • Rewriting Elements' HTML • Rewriting Elements' Text • Appending Content to Elements • Moving Page Elements • Setting Element Width and Height • Wrapping Elements • Inserting Elements

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	<ul style="list-style-type: none"> • Editing the value Attribute
1.00pm – 2.00pm	Lunch
2.00pm – 5.00pm	<p>Working with Events</p> <ul style="list-style-type: none"> • Event Handling in JavaScript and jQuery • Binding an Event Handler to an Event • Binding Multiple Event Handlers • Binding Event Handlers Using Shortcuts <p>Getting Started with jQuery UI</p> <ul style="list-style-type: none"> • Calling Event Handlers Only Once • Unbinding Event Handlers • Using the Event Object • Getting Mouse Coordinates • Getting the Event Type • Capturing Keystrokes • Capturing Hover Events • Getting Event Targets
Day 3	
9.00am – 10.00am	<p>Visual Effects and Animation</p> <ul style="list-style-type: none"> • jQuery Visual Effects Overview • Showing and Hiding Page Elements • Showing and Hiding Elements with Duration • Toggling Element Visibility • Toggling Element Visibility with Duration
10.00am – 10.30am	Breakfast
10.30am – 1.00pm	<ul style="list-style-type: none"> • Fading Elements Out • Fading Elements In • Sliding Elements Up • Sliding Elements Down • Toggling Sliding Operations • Partially Fading Elements • Creating Custom Animation <p>The jQuery Utility Functions</p> <ul style="list-style-type: none"> • Examples of jQuery Utility Functions • Looping over Object Members with \$.each() • Determining Browser Type with \$.browser • Customizing HTML by Browser Type
1.00pm – 2.00pm	Lunch
2.00pm – 5.00pm	<ul style="list-style-type: none"> • Checking Browser Support for Specific Features • Creating Arrays • Searching an Array • Filtering an Array • Eliminating Duplicate Elements from Arrays • Checking Whether Data Is an Array • Mapping an Array • Trimming Text • Passing Data to the Server

	<ul style="list-style-type: none"> • Passing Form Data to the Server • Using \$.post() to Send Data to the Server • Using the jQuery \$.get() Function • Using \$.get() to Send Data to the Server
Day 4	
9.00am – 10.00am	Using the Full Power of Ajax <ul style="list-style-type: none"> • About \$.ajax() • Using \$.ajax()
10.00am – 10.30am	Breakfast
10.30am – 1.00pm	<ul style="list-style-type: none"> • Using \$.ajax() to Post Data to the Server • Using \$.ajax() to Get Data from the Server • Handling Ajax Errors • Handling Ajax Timeouts • Handling XML • Handling Ajax Events Globally
1.00pm – 2.00pm	Lunch
2.00pm – 5.00pm	Using the jQuery Widgets <ul style="list-style-type: none"> • About Working with Widgets • Creating Accordion Widgets • Creating Datepicker Widgets • Creating Dialog Widgets • Getting Data from Dialog Widgets • Creating a Progressbar Widget • Creating a Slider Widget • Creating a Tab Widget • Adding Tabs to a Tabs Widget

More Information

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To register, please email to sales@2-sigma.com or fax the registration form to 03-61880602, we will contact you for further action.

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