jQuery Programming

Duration: 21 hours

Prerequisites: HTML, CSS and JavaScript

jQuery simplifies client-side scripting via a series of open-source libraries that provide frameworks for enhanced functionality. This hands-on course covers the jQuery library, DOM manipulation, performing Ajax requests, and an overview of the UI library. Students will also learn how to use the jQuery function to return a wrapped set of elements, use utility functions to work with arrays and strings, modify the appearance of elements using a number of predefined effects as well as how to implement existing plugins.

Comprehensive hands on exercises are integrated throughout to reinforce learning and develop real competency.

Students Will Learn

- Referencing jQuery in a Page
- Selecting page elements using jQuery selectors
- Selecting DOM elements using standard DOM methods
- Creating and using jQuery plugins
- Registering events in jQuery
- Setting CSS properties of page elements
- Making Ajax requests using the $.ajax function
- Changing the display style of an element using various effect methods

Related Bootcamps

jQuery Fundamentals

- Overview of jQuery
- Downloading and Using jQuery library
- Benefits of Using jQuery
- Uses of the jQuery function

DOM Manipulation

- Accessing Attributes of an Element
- Adding and Removing Elements
- Setting Element Content With `text()` and `html()`
- Manipulating Classes and CSS

Page Animation with Effects

- Controlling Visibility Using `show()` and `hide()`
- Creating Slide and Fade Effects

jQuery Selectors and Filters

- Ready Handler
- Using jQuery Selectors and Filters
- Selecting Single and Multiple Elements
- Operating on Wrapped Sets
- Method Chaining

jQuery Events

- jQuery Event Model
- Binding and Removing Event Handlers with `on()` and `off()`
- Delegated and Direct Events
- Event Object
- Common jQuery Events

Ajax Requests Using jQuery

- Ajax Overview
- Loading Remote HTML

- Creating Custom Animations
- Animation Queuing and Callback Functions

jQuery Form Enhancement

- Using Form Selectors and Filters
- Handling Keyboard and Focus Events
- Improving Behavior and Appearance
- Performing Form Validation
- Using the Validation Plugin

jQuery Plugins

- Benefits of Plugins
- Integrating Popular Plugins
- Image Manipulation with Slideshows and Carousels
- Creating Custom Plugins

Making Ajax Requests Using the `$.ajax()` Function
- Using the `$.get()` and `$.post()` Functions

Utility Functions

- Disabling Animations
- Using Other Libraries with jQuery
- String and Array Manipulation

jQuery UI Overview

- Configuring and Downloading the UI Library
- Themes and Styles
- Using ThemeRoller
- Overview of UI Widgets

Track	Duration	Price
Web Developer	119 hours	$3,580

Contact Us

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