Software Skills Training, Inc.

Contact Us
978.250.4983

jQuery Programming

Duration: 3 Days *(Face-to-Face & Remote-Live)*, or 21 Hours *(On-Demand)*

Price: $1695 *(Face-to-Face & Remote-Live)*, or $895 *(On-Demand)*

Discounts: We offer multiple discount options. Click here for more information.

Delivery Options: Attend face-to-face in the classroom, remote-live or via on-demand training.

Description

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.

Prerequisites

Knowledge of HTML, CSS and JavaScript equivalent to attending the Website Development with HTML5, CSS and Bootstrap and JavaScript Programming courses.

Course Overview

jQuery Fundamentals

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

jQuery Selectors and Filters

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

DOM Manipulation

jQuery Events

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

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

Page Animation with Effects

- Controlling Visibility Using `show()` and `hide()`
- Creating Slide and Fade Effects
- Creating Custom Animations
- Animation Queuing and Callback Functions

Ajax Requests Using jQuery

- Ajax Overview
- Loading Remote HTML
- Making Ajax Requests Using the `$.ajax()` Function
- Using the `$.get()` and `$.post()` 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

Utility Functions

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

jQuery Plugins

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

jQuery UI Overview

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

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