

Introduction to jQuery

Modality: On Demand

Duration: 12 Hours

About this course:

jQuery is the most popular library for JavaScript. In this course, you will learn how to use jQuery to add additional power and interactivity to your web pages. You'll see how to take advantage of jQuery in your web pages, how to work with the HTML document, and even make server-side calls.

Using jQuery, the JavaScript programmer has access to many of the powerful tools common to desktop and mobile developers use, like building event handlers and using effects for a responsive UI, the ability to manipulate your user interface without having to refresh the entire page, and creating asynchronous calls to keep your web application responsive. With jQuery, you'll be able to take your web pages to the next level!

Course Objective:

- How to integrate jQuery into your web pages
- How to make server-side calls using JavaScript
- To take advantage of promises to increase the performance of your pages
- How to enhance the user interface of your websites using jQuery

Audience:

- Web developer

Prerequisite:

- Knowledge of JavaScript is required
- Knowledge of HTML is required
- A basic understanding of CSS is helpful

Course Outline:

Module 1 : Adding jQuery to web pages

- Getting started with jQuery
- Adding jQuery to a page
- Using CSS selectors with jQuery
- Navigating the DOM with jQuery
- Getting started with DOM manipulation

- jQuery tips and tricks
- Quiz
- Lab

Module 2 : Managing content, events and effects

- Event handlers
- Modifying elements
- Registering event handlers
- Adding new elements
- Animations
- Removing, replacing and cloning
- Quiz
- Lab

Module 3 : Asynchronous programming and Ajax

- Using promises
- Web workers
- Using deferred
- JavaScript Object Notation
- Calling the server
- Final Exam
- Lab

Course Evaluation

- Course Evaluation?