

jQuery Course Details

◆ Course Overview

This jQuery course teaches you how to simplify JavaScript coding using jQuery's powerful features.

You will learn DOM manipulation, animations, events, AJAX, effects, and how to build interactive, dynamic web pages quickly and efficiently.

◆ What You Will Learn

1. Introduction to jQuery

- What is jQuery?
 - Why use jQuery in modern development
 - jQuery vs JavaScript
 - Adding jQuery (CDN & local file)
 - Understanding the \$ symbol
 - Document ready function
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2. DOM Manipulation

- Selecting elements (id, class, tags)
 - Changing text & HTML
 - Getting and setting attributes
 - Adding & removing CSS classes
 - Append, prepend, remove, empty
 - Working with forms & inputs
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3. jQuery Events

- Click, hover, focus, blur
- Keyboard & mouse events
- Form events (submit, change)

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- Event delegation
 - Using on() and off()
 - Preventing default events
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4. jQuery Effects & Animations

- Hide, show, toggle
 - FadeIn, fadeOut, fadeToggle
 - SlideUp, slideDown, slideToggle
 - Custom animations using .animate()
 - Animation speed & callback functions
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5. jQuery CSS & Styling

- Adding, removing & toggling CSS classes
 - Changing CSS styles dynamically
 - Measuring width, height, offsets
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6. jQuery Traversing

- Parent, child & sibling selection
 - Filtering elements
 - Each loops
 - Working with lists & tables
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7. jQuery AJAX

- Introduction to AJAX
- Sending GET & POST requests
- Loading data dynamically
- Fetching data from APIs

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- Handling JSON data
 - Updating the page without reload
 - AJAX form submission
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8. jQuery with HTML Forms

- Input validation
 - Real-time field updates
 - Disabling/enabling buttons
 - Length counters
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9. jQuery Plugins

- What is a plugin?
 - Installing and using plugins
 - Image sliders & galleries
 - Form validation plugin
 - Date pickers
 - Animation libraries
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10. Real-World Projects

- Interactive form with validation
 - Live search filter
 - Image slider/carousel
 - Hide/show FAQ section
 - Dynamic table search & sorting
 - AJAX-based contact form
 - To-do list application
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◆ Tools You Will Use

- jQuery
 - JavaScript
 - HTML & CSS
 - VS Code
 - APIs (optional for AJAX)
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◆ Course Duration

- **1 week** (hands-on learning)
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◆ Who Can Join

- Students
- Frontend developers
- Web designers
- Anyone wanting to create interactive web pages easily