

TechnoMaster

JavaScript

Duration: 45 Hrs (Changeable) | Fees: Individual / Batch

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Syllabus Contd..

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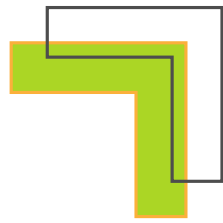
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MODULE 1: Fundamentals of JavaScript Code

- * JavaScript methods (such as alerts)
- * Variables
- * The importance of quotes
- * Numbers vs. strings
- * Concatenation

MODULE 2: Reusing Code with Functions

- * Defining functions
- * Calling functions
- * Defining parameters & passing arguments
- * Simple Accordion with JavaScript
- * Targeting elements by ID
- * Hiding & showing elements with JavaScript

MODULE 3: If Statements: Clearing Form Fields

- * Testing code in the JavaScript Console
- * Getting & setting properties
- * Using if statements
- * Reshowing text hints in empty form fields

MODULE 4: Introduction to JavaScript Objects & the DOM

- * Intro to objects
- * The global object
- * Breaking open and manipulating objects

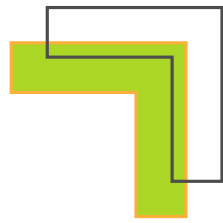
objects

MODULE 5: Dynamically changing content with custom



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- * Checking the functionality of the select menu
- * Getting the chosen value
- * Dynamically changing the state name value
- * Dynamically changing the rest of the values

MODULE 6: Introduction to arrays and the math object

- * Creating an array
- * Editing an array
- * Creating an array of welcome handlings
- * The math object
- * Using the math object to pick random headlines

MODULE 7: Introduction to for loops

- * Creating a for loop
- * Using the for loop to set dropdown menus
- * Clearing the menu
- * Optional bonus: refining the menu selection experience

MODULE 8: Exploring JavaScript selectors

- * Intro to JavaScript selector
- * Selecting multiple elements and elements without IDs
- * Getting a specific list item
- * Getting elements by class name
- * Getting multiple items using query selector
- * Getting a single item using query selector

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- * Chaining selectors together
- * Targeting elements by data attribute

MODULE 9: Photo filter website: using friendly navigation

- * Creating an array to store the selector
- * Getting the all button to select all filters
- * Getting the rest of the buttons to select the other filters
- * Initially hiding the photos
- * Getting the photos to filter

MODULE 10: Photo filter website: creating an executive filter

- * Adding a checkbox to toggle executive filtering on/off
- * Separating the inclusive and exclusive filter
- * Writing a conditional to select the appropriate filter
- * Programming the exclusive filter
- * Rerunning the filter when the checkbox is toggled
- * Improving the user experience

MODULE 11: Showing/hiding content with JQuery animation

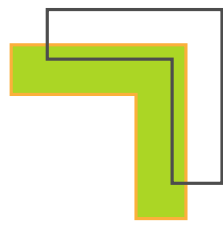
- * Getting started with JQuery
- * Running code when the document is ready
- * Click events
- * Using the jQuery slide toggle method
- * Supporting JQuery disabled users

MODULE 12: Sharing JavaScript across pages



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- * Externalizing JavaScript
- * Linking to the JavaScript file

MODULE 13: JQuery hover animation

- * Adding an outline with CSS
- * Using the JQuery hover method
- * Using the JQuery animate method

MODULE 14: More advanced JQuery showing/hiding

- * Adding animation to reveal hidden content
- * Targeting the proper div: traversing the document
- * Swapping the button image with JQuery

MODULE 15: JQuery lightbox: a pop-up image viewer

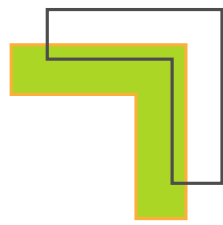
- * Linking the plugin files
- * Initializing the pop-up
- * Grouping the photos into a gallery
- * Adding captions
- * Removing the counter
- * Customizing the appearance

MODULE 16: JQuery cycle: a simple slideshow

- * Initial setup
- * Defining what content gets cycle
- * Adding more cycles and exploring options
- * Reversing the animation

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MODULE 17: JQuery cycle: adding slideshow controls

- * Preventing a possible "flash of unstyled content"™™
- * Enabling the slideshow
- * Adding and customizing the controls

MODULE 18: JQuery cycle: adding a pause button

- * Adding a pause/play button
- * Styling the pause/play button
- * Checking to see if the cycle is paused
- * Making the pause/play button work

MODULE 19: JQuery form validation

- * Initializing the plugin & setting options
- * Customizing the error messages
- * Changing the location of the error messages
- * Styling the error messages

MODULE 20: JQuery Image Carousel

- * Linking to the plugin files
- * Creating the carousel
- * Styling the carousel
- * An easy way to add prev & next buttons
- * Adding custom prev & next buttons
- * Setting how many items are shown