SETC Training Corporate Logo

HTML Training: HTML5 & JavaScript for Enterprise Applications (JSHTM5, 4 jours)

Description

The course HTML5 & JavaScript for Enterprise Applications (HTML Training) provides A to Z training on JavaScript & HTML5. The training starts with JavaScript fundamentals including variables, data types, control structures & functions. This is followed by advanced JavaScript concepts such as classes, inheritance, & polymorphism. You are taught about dynamic HTML using JavaScript & the DOM and the of JSON & Ajax for partial data loading. The course also covers HTML5 APIs including HTML5 Storage, the HTML5 File API, geolocation, and Asynchronous communication. Finally, you are taught about using HTML5 to provide rich graphics with SVG graphics & the canvas

Tarifs

- Tarification: $3,750/person
- Rabais de 10% lorsque vous inscrivez 3 personnes.

Plan de cours

Welcome to HTML5

- The Need for HTML5
- Migrating from HTML4 or XHTML
- HTML5 Page
- Semantic Structure
- The Complete HTML5 Page

What's New

- Global Attributes
- Global Event Attributes
- New Elements
- The Address Tag

Rich HTML5 Forms

- HTML5 Forms
- The Form Element
- The New Input Types
- New Form Tags

CSS v3

- CSS3
- Borders
- Gradient Fills
- Shadow
- Outline
- Dealing with Different Browser Implementations
- Web Fonts
- CSS Transition
- Media Queries
- End of the Box Model War

HTML5 Accessibility

- Accessible Tables
- Creating Associations between Data Cells, Table Headers and Rowa
- Accessible Forms

Delving Deeper

Understanding the Terminology
Resources
XML and DOM
Plugins
Audio and Video
Using Audio and Video Assets
About File Format
The Audio Element
The Video Element
Using the Track Element
JavaScript and the Web
Internet Technology Overview
Web Applications: Technology and Infrastructure
Client Side Technologies
The Role of JavaScript
Browser Support and the DOM
JavaScript Fundamentals
JavaScript Overview
JavaScript Programming Basics
JavaScript Data Types
Declaring and Using Variables
Arithmetic Operators
Logical Operators
Working with Strings
Debugging Tools
JavaScript Language Constructs
Conditional Constructs: if...else
Using Embedded if...else Statements
Conditional Constructs: switch( )
Loop Constructs: for( )
Loop Constructs: while( )
Loop Constructs: do...while( )
Functions
The Need for Functions
Declaring Functions
Working with Function Parameters
Using Functions
Creating a Function Library
Strings and Regular Expressions
The String Object
Coping with Data Entry Errors
Using the String Methods
Using Regular Expressions: RegExp
Working with JavaScript Classes and Objects
Proper Coding
Working with Objects: Declaration and Instantiation
Creating an Object
Accessing Object Properties
Using Object Methods
Using JavaScript's Classes

jQuery Fundamentals

- Introducing jQuery
- Getting Started
- Referencing Elements
- Manipulating the Page
- Traversing the DOM

Advanced jQuery

- Handling Events and Event Delegation
- Ajax Using jQuery
- Enhancing with Effects
- jQuery Best Practices

Advanced JavaScript

- JavaScript and Object Oriented Programming
- The many way of Creating Objects
- Understanding Objects and Prototypes
- Object Functions and Context

DOM Event Handling

- Understanding DOM Events
- The Event Object
- Binding Functions to Events