

OJAV-10 - JAVASCRIPT AND HTML5: DEVELOP WEB APPLICATIONS

Categoria: **Java**

INFORMAZIONI SUL CORSO



Durata:
5 Giorni



Categoria:
Java



Qualifica Istruttore:
Oracle Certified
Professional



Dedicato a:
Sviluppatore



Produttore:
Oracle

OBIETTIVI

Creare ed eseguire un applicazioni HTML5 in NetBeans Scrivere codice JavaScript per utilizzare variabili, oggetti, funzioni e array Creare moduli HTML5 per richiedere informazioni e le elabora Scrivi funzioni JavaScript per eventi HTML5 Manipolare elementi HTML5 attraverso DOM Utilizzare l'API JavaScript Conservare oggetti utilizzando l'API JSON, biscotti, e Archiviazione locale I documenti di stile HTML con CSS3 Utilizzare Media Query e dati multimediali per adattare la pagina web di diverse dimensioni dello schermo Creare chiusure, prototipi, e moduli in JavaScript Creare un Canvas, intervalli, Drag and Drop interazioni, e attuare gesti del mouse in HTML5 Usare AJAX consumare servizi Web RESTful Identificare le tecnologie back-end necessarie per il riposo e WebSocket con Java EE7 Utilizzare selettori e manipolatori DOM per gestire documenti con jQuery Gestire gli eventi e le risposte dei server AJAX con jQuery

PREREQUISITI

Prerequisiti richiesti:

Esperienza di base in qualsiasi linguaggio di programmazione Conoscenza di base dei concetti web

Correlati Corsi di formazione consigliati:

CONTENUTI

Introduction

Knowing the objectives of the course
Setting up the Environment

Web Application Essentials

Creating HTML5 Applications in NetBeans
Running HTML pages and analyzing them by using the browser's development tools
Separating CSS and JavaScript content from HTML pages
Running HTML5 Applications in NetBeans
Practice: Creating HTML5 Web Applications with NetBeans 8
Practice: Separating JavaScript and CSS Resources

JavaScript Fundamentals

Writing JavaScript code to declare variables, objects, functions and arrays

Writing JavaScript Arrays to store data

Defining JavaScript Objects as a key-value store

Accessing the properties of an object

Practice: Writing JavaScript code to pass tests in Jasmine

Combining HTML5 and JavaScript in Web Applications

Creating HTML5 Documents

Creating HTML5 Forms to request information and process it

Validating HTML5 form input

Writing JavaScript functions for HTML5 events

Manipulating HTML5 elements through DOM

Practice: Writing JavaScript code to modify document elements

The JavaScript API

Validating user input with JavaScript and Regular Expressions

Handling multiple values with JavaScript Collections

Manipulating Dates with the JavaScript Date API

Practice: Creating a meal-divider application

Practice: Calculating the total based on the age

Web Application Data

Converting Objects to JSON Strings

Parsing JSON Strings into JavaScript Objects

Storing Objects by using the JSON API, Cookies, and Local Storage

Practice: Saving user input using JSON and Local Storage

Practice: Restoring saved data when page loads

Style Applications using CSS3 and JavaScript

Applying CSS styles to HTML documents

Using CSS3 features to add dynamic styles to elements with events

Using Media Queries and media data to adapt to different screens

Using JavaScript to add and remove styles from elements

Practice: Writing CSS rules to style elements in the document

Advanced JavaScript

Defining Functions

Creating Closures and explaining Variable Scope

Writing JavaScript functions as modules

Creating Prototypes

Creating Drag-and-Drop interactions with JavaScript

Creating JavaScript Timers and Delays to create animations in HTML

Using the HTML5 Canvas Object to draw in pages

Practices: Creating a Canvas, intervals, Drag and Drop, and implementing Mouse Gestures

AJAX and WebSocket

Using AJAX with JavaScript to request data from an Application Server

Using AJAX to consume RESTful Web Services

Using AJAX calls to create "Server Push" interactions

Identifying alternatives to AJAX used in legacy code

Understanding AJAX Security

Using WebSocket to create Real-time Client/Server interactions

Identifying the required Back-End technologies for REST and WebSocket with Java EE7

Practices: Creating a Single-Page Application using REST and a Tic-Tac-Toe Game Client with WebSocket

Developing Applications with jQuery

Adding jQuery and jQuery UI libraries to your projects

Using Selectors and DOM manipulators to handle documents

Handling Events with jQuery

Animating elements and Applying effects in the document

Handling AJAX server responses

INFO

Materiale didattico: Materiale didattico ufficiale Oracle in formato digitale. Il materiale didattico è compreso nel prezzo sia per i corsi a Calendario sia per quelli Dedicati.

Costo materiale didattico: 0 € incluso nel prezzo del corso a Calendario

Natura del corso: Operativo (previsti lab su PC)