

jQuery Framework

Course code: JS_JQUERY

This course is designed for anyone who knows the basics of the JavaScript programming language and wants to learn how to effectively program in JavaScript using the jQuery framework. In this course you will learn how to use jQuery functions, use selectors, attributes, filter, search and concatenate results, manipulate DOM, CSS and events, create effects and use jQuery UI.

What we will teach you

- Utilize the capabilities of the jQuery library
- Use selectors to select elements in an HTML document
- Use events
- Work with CSS and attributes
- Manipulate the DOM
- Use basic jQuery UI extensions

Prerequisite skills

- Creating web pages in HTML/XHTML and CSS
- JavaScript fundamentals at JS_PROG1 course level

Course outline

Basics

- What is jQuery
- Compatibility
- Licenses
- Where to find information
- Download jQuery
- How jQuery works
- Data types

Basic functions

- Functions of jQuery
- Accessing a jQuery object
- Data warehouse
- Interoperability

Selectors

- Basic selectors
- Hierarchical selectors
- Basic filters
- Content filters
- Visibility filters
- Attribute filters
- Descendant filters
- Form pseudo-classes
- Form filters

Events

- Events in jQuery
- Event processing
- Page Load
- Helper methods

Working with attributes

GOPAS Praha

Na Strži 2097/63
140 00 Praha 4 - Krč
Tel.: +420 226 201 390
info@gopas.cz

GOPAS Brno

Nové sady 996/25
602 00 Brno
Tel.: +420 530 513 590
info@gopas.cz

GOPAS Bratislava

Dr. Vladimíra Clementisa 10
Bratislava, 821 02
Tel.: +421 902 903 132
info@gopas.sk



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jQuery Framework

- Attr and removeAttr
- Class
- Html
- Text
- Value

CSS

- CSS settings
- Positioning
- Height and width

DOM Traversal

- Filtering
- Search
- Concatenation

DOM manipulation

- Changing content
- Inserting into an element
- Inserting outside an element
- Wrapping
- Replacing
- Removing
- Copying

Effects

- Basic
- Movement
- Translucency
- Other

Auxiliary Functions

- Browser
- Field and Object
- Functions
- String

jQuery UI

- Mouse interaction
- UI Extensions
- Effects

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