

# 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

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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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