JQuery: Developing Web 2.0 applications

Hands-on course of 5 days - 35h
Ref.: ERY - Price 2024: €3 070 (excl. taxes)

THE PROGRAMME

last updated: 01/2018

1) Overview of jQuery

- What is jQuery? Why jQuery?
- Benefits compared to JavaScript alone.
- jQuery elements, jQuery UI. The jQuery object.
Hands-on work : Installing jQuery. Setting up an initial Web page using jQuery.

2) Utility methods of jQuery

- Reminder about Javascript objects.
- Handling objects with jQuery.
- jQuery object processing methods.
- Table processing methods with jQuery.
- Character strings and JavaScript.
- jQuery string processing methods.
Hands-on work : Setting up Web applications with different types of elements using jQuery.

3) Selectors

- Overview of jQuery selectors.
- Role of selectors. Different types of selectors.
- Pseudo-classes. Combinators.
Hands-on work : Setting up Web applications using selectors.

4) Access to the DOM tree

- Refresher about DOM (Document Object Model).
- Direct access to a page's elements.
- Handling DOM with jQuery.
- Managing CSS classes (addClass(), removeClass() ...
- Inserting elements into the DOM tree.
Hands-on work : Working with the DOM tree.

5) Event management

- The notion of events in Javascript.
- Event management with the bind method.
- Passing parameters with the bind method.

6) Ajax and jQuery

- Querying a server with jQuery.
- Ajax queries using $.ajax().
- Processing the server's reply.
- Passing parameters to the server.
Hands-on work : Using Ajax with jQuery.

7) Visual effects and rich interface with jQuery

- Standard visual effects in jQuery. Creating your own visual effects. Using animate().

- Configuring effects with easing. Managing the visual effects queue.
- Overview and installation of jQuery UI. Using evolved components.
- tabs(), accordion(), dialog(), progressbar().
- Drag and drop Selecting multiple things. Permutations of elements in a page. Resizing an element.
Hands-on work : Putting visual effects in place.

DATES

REMOTE CLASS
2025 : 17 Mar, 30 Jun, 29 Sep, 01
Dec