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# Htmx training: High-powered html tools

4 days (28 hours)

## Presentation

[HTMX](#) training will enable you to use several attributes to create modern user interfaces with the power and simplicity of hypertext.

In this course, you'll learn how to use AJAX for CSS transitions, events and WebSockets. This will be necessary to trigger requests and exchange HTML responses made in the DOM.

You'll become adept at using modern HTML attributes rather than JavaScript to boost productivity.

**Expand your knowledge** and skills by understanding the HTMX, which has a rich collection of features all its own.

Like all our training courses, this one will introduce you to the latest stable version and its new features ([HTMX 1.8](#)).

## Objectives

- Understanding the HTML, CSS and JavaScript ecosystem
- Understanding the use of AJAX
- How to use HTMX
- Master HTMX attribute functions

## Target audience

- Developers
- Architects
- Project managers
- Web Designers

## Prerequisites

- Basic knowledge of HTML, CSS, JavaScript
- Knowledge of web programming

## HTMX training program

### Introduction

- Introducing HTMX
- HTMX configuration
- Anchor tags

### Installation

- Download a copy
- Via a CDN
- npm
- Webpack

### AJAX

- Trip requests
  - Trigger modifiers
  - Trigger filters
  - Special events
  - Vote
  - Load query
- Demand indicators
- Targets
- Exchanges
  - Morph exchanges
  - Out-of-band exchanges
  - Selecting content to swap
  - Preserving content during a swap
- Synchronization
- CSS transitions
- Parameters
  - File download
  - Additional values
- Confirmation of requests

## Attribute inheritance

- Hoist attributes into the DOM to avoid code duplication
- hx-confirm to apply the attribute to a parent element
- Cancel inheritance by adding an unset directive
- Disable automatic inheritance with hx-disinherit attribute

## Booster

- Convert all anchor tags and forms into AJAX requests with the hx-boost attribute
- Progressive improvement
  - Use semantic HTML wherever possible
  - Make sure focus status is visible
  - Associate text labels with all form fields
  - Maximize the readability of your application with fonts

## Web sockets and SSE

- WebSocket
- Events sent by the server

## History support

- Specify history snapshot element
- Disable history snapshot

## Requests and answers

- CORS
- Request headers
- Response headers
- Request order of operations

## Animations and extensions

- Using CSS transitions
- Customize library behavior
- Extensions included

## Events and logging

- Initialize a third-party library with events
- Setting up a query with events
- Modification of exchange behavior with events
- Event names
- Logging

## Debugging

- Create demos
  - Demonstration example

## hyperscript

- Installing hyperscript
- Events and hyperscript
- intercooler.js features and hyperscript implementations
  - ic-remove-after
  - ic-post-errors-to
  - ic-switch class

## Companies concerned

This training course is aimed at both individuals and companies, large or small, wishing to train their teams in a new advanced computer technology, or to acquire specific business knowledge or modern methods.

## Positioning on entry to training

Positioning at the start of training complies with Qualiopi quality criteria. As soon as registration is finalized, the learner receives a self-assessment questionnaire which enables us to assess his or her estimated level of proficiency in different types of technology, as well as his or her expectations and personal objectives for the training to come, within the limits imposed by the selected format. This questionnaire also enables us to anticipate any connection or security difficulties within the company (intra-company or virtual classroom) which could be problematic for the follow-up and smooth running of the training session.

## Teaching methods

Practical course: 60% Practical, 40% Theory. Training material distributed in digital format to all participants.

## Organization

The course alternates theoretical input from the trainer, supported by examples, with brainstorming sessions and group work.

## Validation

At the end of the session, a multiple-choice questionnaire verifies the correct acquisition of skills.

## Sanction

A certificate will be issued to each trainee who completes the course.