

JavaScript and HTML5 for programmers (code: JS-HTML5)

Overview

AJAX is a trendy WWW technology, the name of which is often translated as Javascript Now Works or, more conventionally, as Asynchronous Javascript And XML. Thanks to AJAX, web pages become quite similar to ordinary desktop programs.

The course provides students with skills necessary to use AJAX technology in own projects. This course is intended for all web programmers, regardless of technology they specialize in (PHP, Java/JEE, .NET).

This course is equivalent of the Advanced Web Developer course.

Ask for details

Phone +44 203 608 6289
info@alx.training

Duration

2 days

Agenda

1. Introduction
 - inside the XMLHttpRequest
 - differences between web browsers
 - synchronous and asynchronous models
2. Web Service + AJAX architecture
 - creating simple ajax internet chat
3. AJAX traps
 - Polish characters encoding, server and client side
4. Prototype
 - main API for AJAX programmer
 - enhanced XMLHttpRequest objects
 - modifying chat script
5. Advanced Javascript
 - anonymous functions and objects,
 - heritage,
 - object-oriented programming using prototypes
6. Prototype
 - handlers model,
 - elements of functional programming: filters, iterators
 - creating excel-like worksheet running on WWW page
7. AJAX and data transfer - JSON
 - JSON on server side
 - JSON in HTTP header
8. Prototype and forms
 - basic and advanced features
 - problems with serialization to table and serialization inactive controls (inconsistency of Prototype serialisation model)
 - some practical solution
9. Javascript and visual effects
 - object-oriented CSS model
 - filters
 - animations
10. Drag-and-drop effects
 - Scriptaculous Library

- creating an intuitive ajax basket for internet shop
11. XML
- an alternative to JSON
 - parsing and processing XML in Javascript
 - differences between browsers

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Target audience and prerequisites

Before attending this course, students should have:

- Basic experience in designing and programming web applications
- Basic knowledge about HTML language

Certificates

Course participants receive completion certificates signed by ALX.

Locations

- Online (English) – your home, office or wherever you want
- Warsaw (English) – Jasna 14/16A
- any other location (London, UK, EU) on request

Price

740 EUR

The price includes:

- course materials,
- meals,
- snacks, coffee, tea and soft drinks,
- course completion certificate,
- one-time consultation with the instructor after course completion.