

Course D10104

Foundations of professional JavaScript development

- Get to know the characteristics of JavaScript as a language, avoid common pitfalls and apply best practices
- Implement constructs such as classes and packages in JavaScript
- Develop professional single-page applications in JavaScript



Description

Developments in the HTML5 field and the opportunities offered by mobile devices mean that JavaScript is firmly back in the limelight. A world without JavaScript clients would be unthinkable, even in the enterprise environment. The use of development tools such as IDEs, test systems and build systems, familiar from the Java and C# ecosystems, and of patterns and static code analysis is now established practice in JavaScript development.

The course offers a practice-oriented introduction to professional software development with JavaScript. Following a detailed introduction to the characteristics of the language, participants will use advanced techniques to develop a sample JavaScript browser application. The application, a single-page application, serves to illustrate how complex JavaScript applications should be structured, how source code can be modularised and what patterns are used.

An interactive approach with numerous programming examples helps participants achieve rapid learning and enduring understanding.

Goals

At the end of the course, participants will be able to develop a complex JavaScript browser application to a professional software development standard. They will be familiar with the characteristics of JavaScript as a language and will be able to use it both as an object-oriented and as a functional programming language.

Participants

The course is aimed at software developers and architects with strong skills in a programming language such as Java or C#. Basic web development knowledge is an advantage.

Duration

1 day

Dates and Prices

www.zuhlke.com/D10104

Level

Intermediate

Content

- Language characteristics
- Coding patterns
- Structuring source code and applications using MVC
- Stable, maintainable JavaScript applications

Language

German (course materials in English)

Organisation

Public course or company course at Zühlke or at the client's premises.