

JavaScript - Creating Web Services and REST APIs

Course code: JS_WS

The web services course will teach you how to create and process web services, both on the backend and frontend side. In the course, we will discuss basic and advanced techniques for processing http requests, including the use of authorization headers. In the course, we will focus on both the classic REST API and the processing of realtime data from web sockets using the rxjs javascript library.

What we will teach you

- we will discuss basic and advanced techniques for processing http requests, including the use of authorization headers.
- we will focus on both the classic REST API and the processing of realtime data from web sockets using the rxjs javascript library.
- Use Callbacks, Promises, Observables, REST API, SOAP and Realtime data

For whom the course is intended:

- The course is intended for developers who need to solve the communication between the server and the frontend application.

Required entry skills

- Basic knowledge of JavaScript programming at the level of the INTJS course is assumed

Teaching methods

- Expert interpretation with practical examples, exercises on computers.

Studying materials

- Online presentation of discussed material and exercises.

Course outline

Introduction to Web Services Theory

- REST API
- SOAP
- WEB SOCKETS

Construction in javascript language

- Asynchronous vs synchronous javascript
- Blocking vs. non-blocking
- Event loop
- Callbacks
- Promises
- Async/await
- Observables

Communication with the backend

- HTTP GET/POST/PUT/DELETE

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