

Reactive programming in JavaScript with the use of RxJS



Purpose of the training

The training is intended for developers who would like to expand their knowledge from programming in JavaScript in terms of using ReactiveX.



Benefits of completing the training

- An ability to use RxJS library in projects in practice.
- Knowledge of good architectural and implementation practices used in applications processing data synchronically and asynchronously



Expected Listener Preparation

Knowledge of JavaScript language.



Training Language

- Training: English



Duration

3 days / 21 hours

Training agenda

1. Functional programming
 - Assumptions and a concept of functional programming
 - Higher level functions
 - Uses
2. JavaScript language characteristics
 - Architecture and ES6+ standard
 - Working with asynchronous code, Promises
3. ReactiveX
 - Architecture of use and available implementations
 - hot vs. cold observable
 - The use of subject
 - Creating event streams, subscription
4. ReactiveX operators
 - Transformational, filtering, linking, conditional
 - Error handling
 - Stream management
5. Data processing with RxJS library
6. The structure of Rich UI, MVVM pattern with RxJS library
7. Refactoring the code and including RxJS library in the existing project
8. Testing the code based on RxJS