Reactive programming in JavaScript with the use of RxJS

Training recipients

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

Benefits

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

Training program

1. Functional programming
   - Assumptions and a concept of functional programming
   - Higher level functions
   - Uses
2. JavaScript language characteristics
   - Architecture and ES6+ standard
   - Working with asynchronic 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

Expected preparation of the participant

Knowledge of JavaScript language.

Duration

3 days / 21 hours

Language

- Training: English