

Interactive Web Applications - list of laboratory exercises

1) Laboratory 1 - Java

- quadratic equation
- Fibonacci sequence

2) Laboratory 2 - SpringBoot

- Hello world
- Simple form (e.g. "Student form")
- Fibonacci sequence and quadratic equation forms

3) Laboratory 3 - SpringBoot

- REST API for "Student" (8 methods)
- tests with Postman

4) Laboratory 4 - SpringBoot

- Object-Relational Mapping (ORM)

5) Laboratory 5 - Angular

- Hello world
- Components and templates introduction (e.g. "Reddit clone" - book example)
- Calculator
- Fibonacci sequence and quadratic equation

6) Laboratory 6 and 7 - Angular

- HTTP methods - connection to backend application (Dependency Injection – services)
- Routing

7) Laboratory 8 - Spring Security with JWT

- Spring Security - test with Postman

8) Laboratory 9 - Angular with JWT

- Angular with JWT - connection and tests with SpringBoot backend
- User input - events (at least 5)

9) Laboratory 10-15 - Project

- Final project based on previous exercises