Spring Advanced

Course Introduction

SoftUni Team

Technical Trainers

Software University

SoftUni

Software University

https://softuni.bg

sli.do

#java-web

Table of Contents

1. **Course Objectives** & **Program**

2. The **Trainers Team**

3. **Course Organization**
   - **Project Defense**

4. **Resources**

SoftUni Diamond Partners

Course Objectives & Program
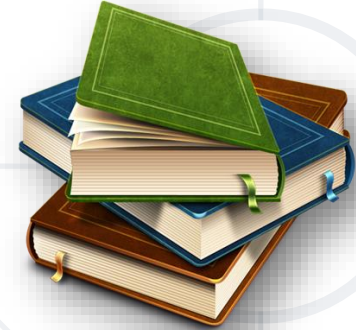
Spring Advanced – Course Program

- Course Introduction: Course Program, Trainers, Exams, Resources

- REST API and REST with Spring

- Spring Security

- Workshop – Spring Security

- Error Handling

- Unit Testing

- Integration Testing
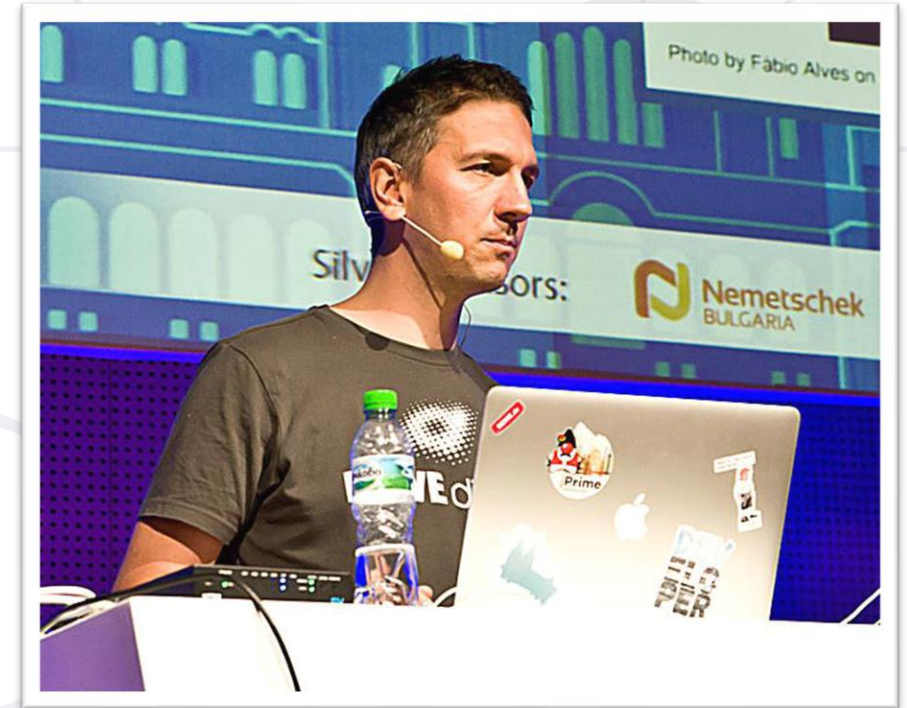
Spring Advanced – Course Program

- Workshop – Exception Handling and REST API

- Aspect Oriented Programming (AOP)

- Containerization & Documentation

- Deployment, Hosting and Monitoring

- Spring for Apache Kafka

- Workshop – Unit and Integration Testing

- Project Defense

The Trainers Team

Lachezar Balev

- **Software engineer with 20+ years of real experience** with different projects

- **Started developing with Java in the year 2000** in the form of J2SE 1.2

- **Works at REWE Digital Bulgaria** on an architecture focused on **microservices**

- Uses **Java**, **TypeScript**, and **Kotlin** in his daily tasks

- Rides a **motorcycle** and **climbs mountains** in his spare time

- Personal website: **http://balev.eu/**

Galin Gospodinov

- Member of Technical Staff @ **VMware**

- **3+ years** of professional programming experience

- Top student at SoftUni

Course Organization

Java Web Module at SoftUni – Timeline

14-May-2024   25-Jun-2024   10 / 11-Aug-2024   15 / 18-Aug-2024

Spring Fundamentals

Lessons + exam
6 weeks * 2 times / week
12 credits
Start: 14-May-2024
Theoretical Exam: 23-Jun-2024
Exam: 23-Jun-2024

Spring Advanced

Lessons + exam
6 weeks * 2 times / week
18 credits
Start: 25-June-2024
Theoretical Exam: 10 / 11-Aug-2024
Project Defense: 10 / 11-Aug-2024

Retake Exams

Fundamentals:
15-Aug-2024

Advanced:
18-Aug-2024

SoftUni Certificate

Practical Exam 100%

Evaluation

CPE Certificate

Software University

Practical Exam

Evaluation

Theoretical Exam

Project

- Web project
  - Implementing your **own web application** using Spring Framework
  - Following **project constraints**
  - **Project Defense**: 20 minutes
    - Present application workflow
    - Show your implementation
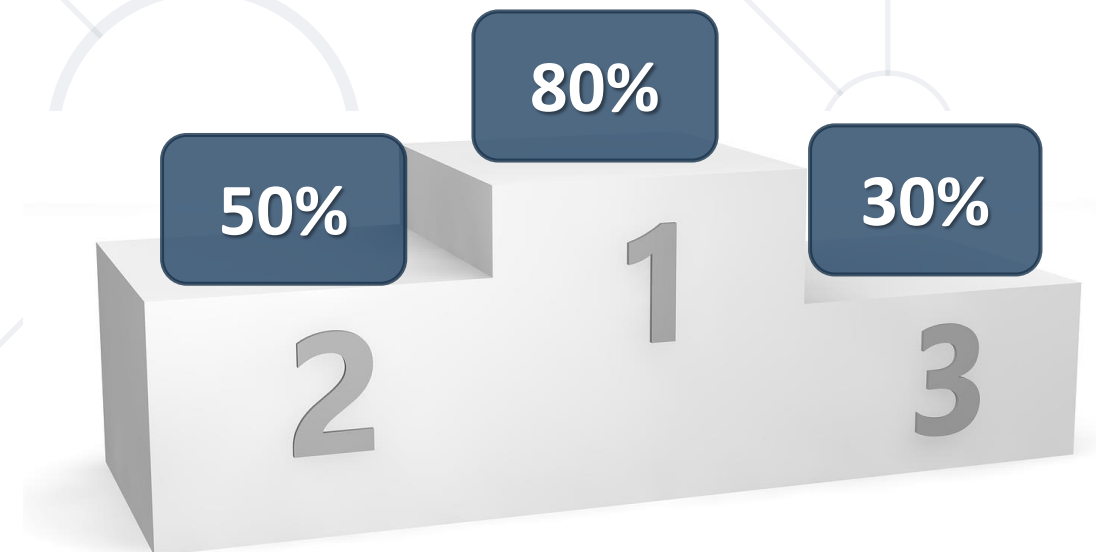   - Answer of some questions from commission

Theoretical Exam

- Test for 30 minutes
  - Multiple-choice with one correct answers
  - English
- Automated quiz system
- Available online the day of the practical exam
  - You can submit your answer just one time

Project Assignment

- The three best projects will win a discount for the next course (professional / open program)

  - First place – 80% of the price

  - Second place – 50% of the price

  - Third place – 30% of the price

Learn to Search in Internet

- The course assignments require to **search in Internet**

  - This is an important part of the learning process

  - Some exercises intentionally have no hints

- Learn to find solutions!

  - Software development includes **everyday searching and learning**

  - No excuses, **just learn to study**!

  - Developers learn new technologies, tools, languages every day!

Resources

What We Need Additionally?

Spring Advanced: Web Site, FB Groups

- Official web site:

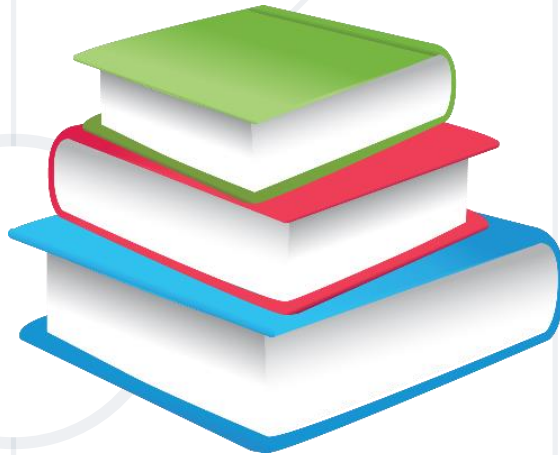 https://softuni.bg/trainings/4532/spring-advanced-june-2024

- Official Facebook group:

  https://www.facebook.com/groups/javawebmay2024

- Community Facebook group:

  https://www.facebook.com/groups/SoftUniJavaCommunity/
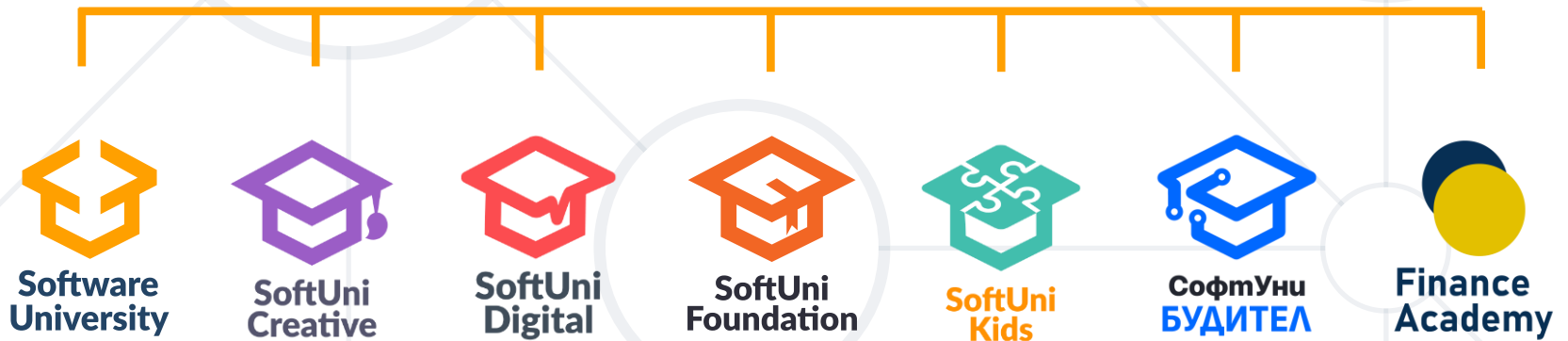
Spring Advanced Slides and Videos

- All lecture **slides**, **videos**, **homework assignments**, **projects** and other resources are open content, available for free

  - Visit the course web site to access the course resources

Questions?

Trainings @ Software University (SoftUni)

- Software University – High-Quality Education, Profession and Job for Software Developers

  - softuni.bg, about.softuni.bg

- Software University Foundation

  - softuni.foundation

- Software University @ Facebook

  - facebook.com/SoftwareUniversity

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