

Spring Advanced

Course Introduction



SoftUni Team
Technical Trainers



SoftUni



Software University

<https://softuni.bg>

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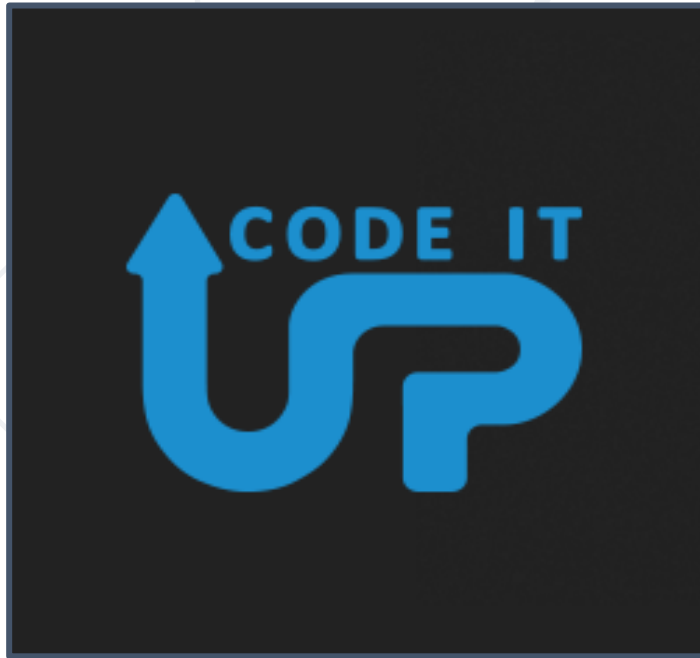
#java-web

SoftUni Diamond Partners



SCHWARZ





VIRTUAL RACING SCHOOL





- **Course Introduction:** Course Program, Trainers, Exams, Resources
- **Java Web API and REST Controllers**
- **Spring Security**
- **HATEOAS**
- **Workshop – First Part**
- **Error Handling**
- **Events**



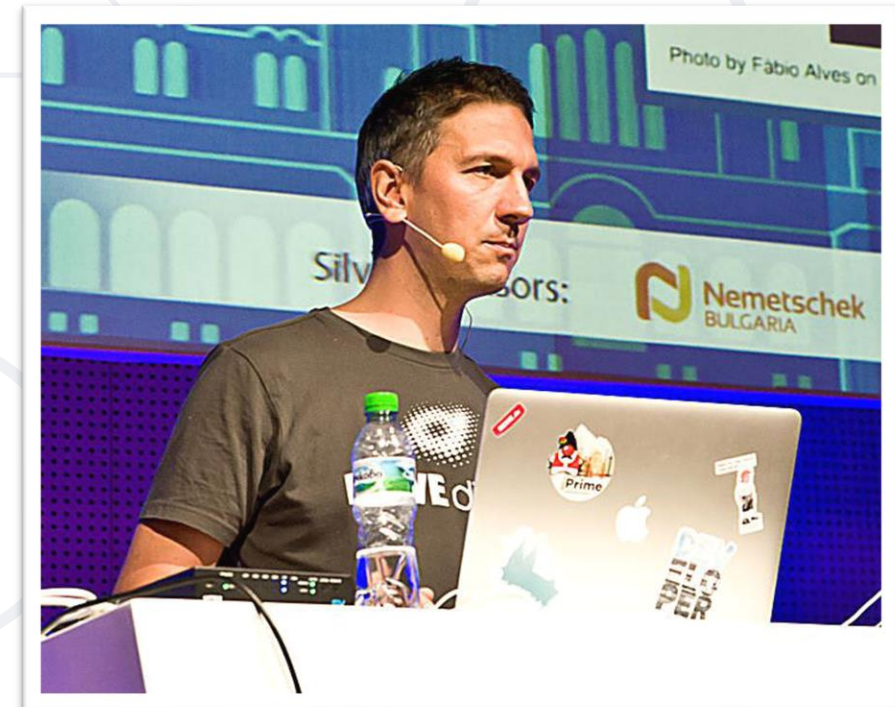
- Aspect Oriented Programming (AOP)
- Workshop – Second Part
- Unit and Integration Testing
- Containerization & Documentation
- Workshop – Third Part And Q&A
- Deployment, Hosting and Monitoring
- Project Defense





The Trainers Team

- **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 in 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/>**



- Software engineer at **Paysafe**
- **5+ professional experience** in the industry
- Top performing student from the Software University (2018)
- Main focus is **back-end** microservices written in **Java** (using **Spring Boot**)
- Currently is working on his bachelor degree in **Sofia University – FMI**
- Main interests are **software architecture and design and clean code**





Course Organization

Java Web Module at SoftUni – Timeline

16-May-2022

27-Jun-2022

13-Aug-2022

Spring Fundamentals

Lessons + exam

- 6 weeks * 2 times / week
 - 12 credits
- Start: 16-May-2022
- Theoretical Exam: 25-Jun-2022
 - Exam: 25-Jun-2022


Spring Advanced

Lessons + exam

- 6 weeks * 2 times / week
 - 18 credits
- Start: 27-Jun-2022
- Theoretical Exam: 13-Aug-2022
- Project Defense: 13-Aug-2022

Re-Take Exams

- Fundamentals: 17-Aug-2022
- Advanced: 21-Aug-2022



**Practical
Exam
100%**

Evaluation



- 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



- 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?

- Official web site:

<https://softuni.bg/trainings/3711/spring-advanced-june-2022>

- Official discussion forum:

<https://softuni.bg/forum/categories/72/java-web>

- Official Facebook group:

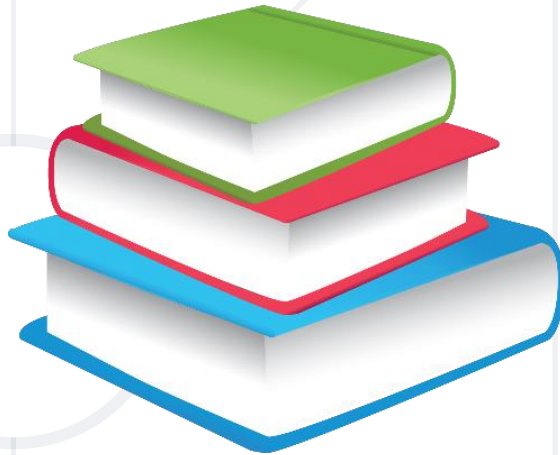
<https://www.facebook.com/groups/javawebmay2022>

- Community Facebook group:

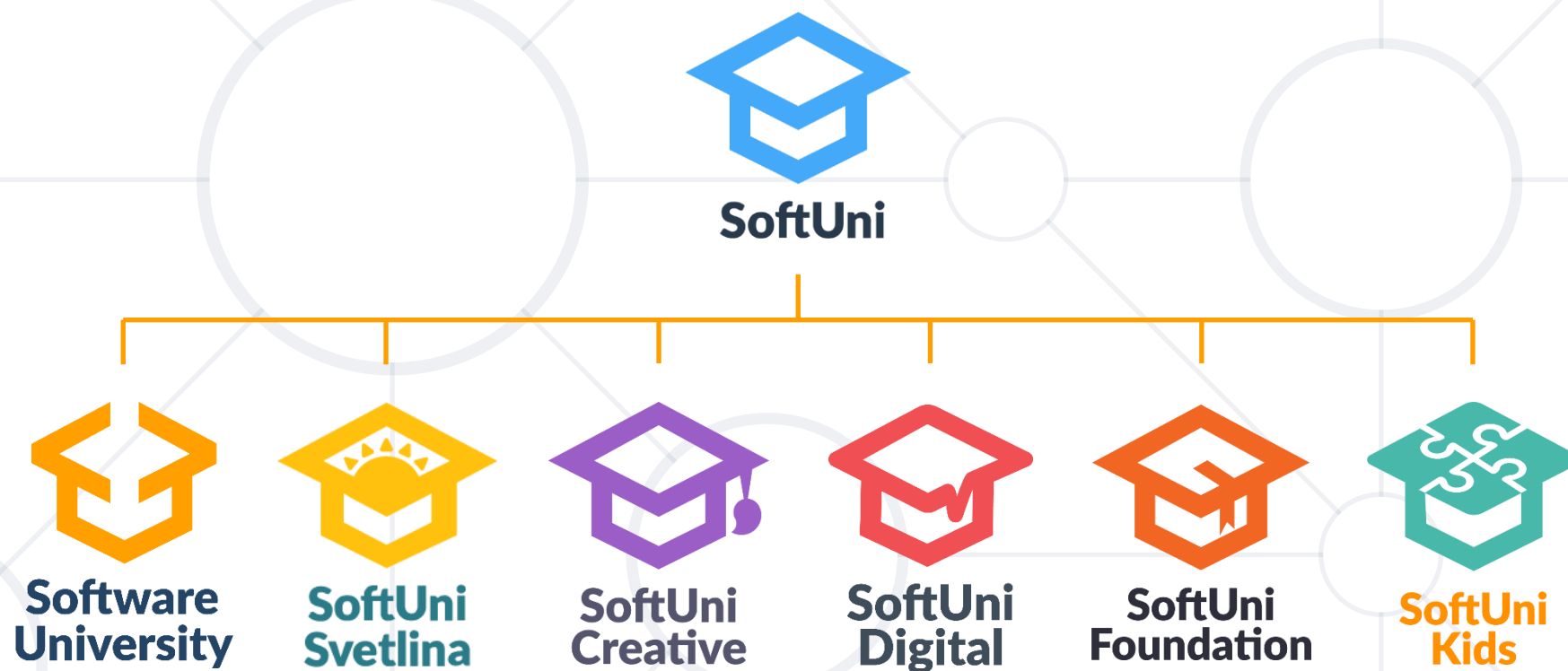
<https://www.facebook.com/groups/SoftUniJavaCommunity/>



- 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?



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

- softuni.bg, about.softuni.bg

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- softuni.foundation

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