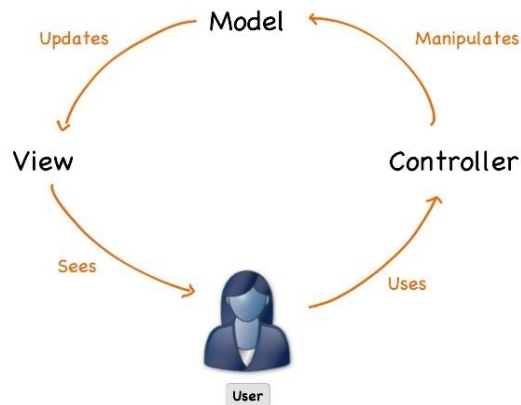


Spring Fundamentals

Course Introduction



SoftUni

SoftUni Team
Technical Trainers



Software University

<https://softuni.bg>

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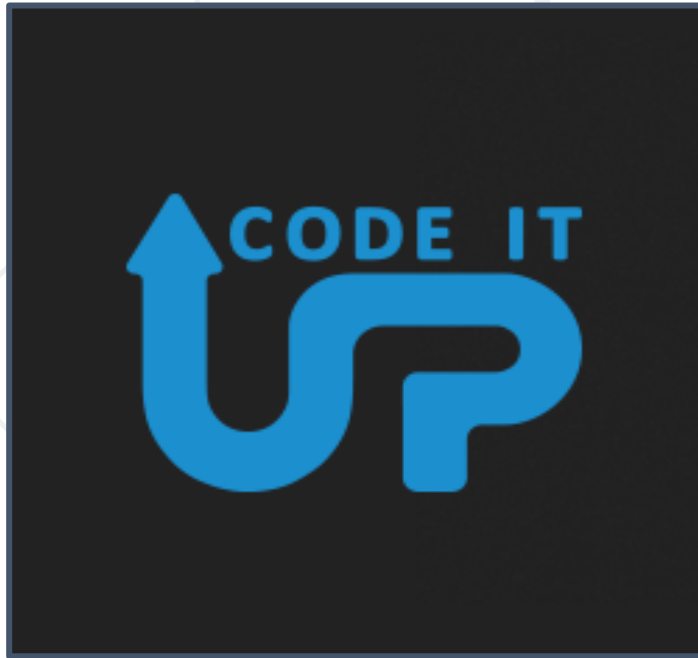
#java-web

SoftUni Diamond Partners



SCHWARZ





VIRTUAL RACING SCHOOL





Spring Fundamentals

Spring Fundamentals – Course Program (1)

- **Course Introduction:** Course Program, Trainers, Exams, Resources
- **Mini Course HTML & CSS:** Two lectures and one workshop
- **Internet Explained:** OSI Model, Network Hardware
- **HTTP Protocol:** HTTP Protocol Intro, Requests, Responses
- **Spring Boot Introduction:** Spring Boot and Revision of Spring Data
- **Spring Introduction MVC:** IoC, Layers and Thin Controllers
- **Workshop**
- **State Management:** Cookies, HTTP Sessions



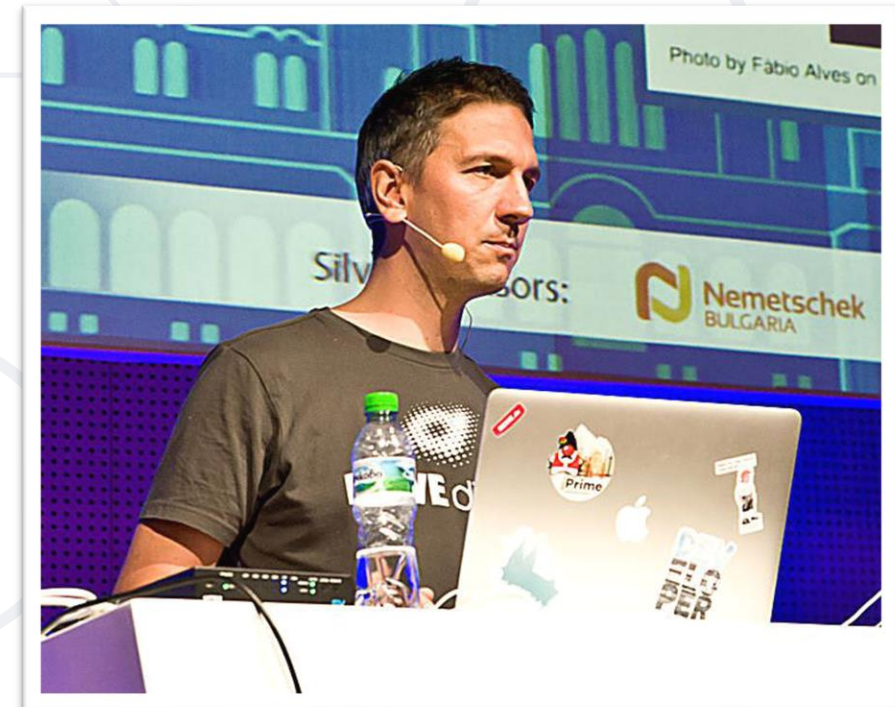
- **Spring Essentials:** Thymeleaf and Spring Controllers
- **Thymeleaf and Validations:** Thymeleaf advanced functions and Validations
- **Front End Basics:** Basic work with bootstrap and JavaScript.
- **Exam Preparation**
- **Workshop**
- **Exam**





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/>**



- Top performing student from the Software University (2014)
- 8 years of programming experience
- Teacher at TUES
- Experienced with Java, Scala, JavaScript and other platforms and technologies.





Course Organization

Java Web Module at SoftUni – Timeline



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%**

The diagram features a central dark blue circle with a thick border, labeled 'Evaluation'. To its left is a smaller light gray circle with a thick orange border, labeled 'Practical Exam 100%'. An orange line connects the two circles, ending in a small orange dot on the 'Evaluation' circle. The background is a light gray grid of circles and lines.

Evaluation



- Practical web development exam
 - Implementing a simple web application using Spring Framework
 - Given a portion of the Views in a raw form
 - Duration: 4 hours
- Solutions are evaluated by hand after the exam



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/3710/spring-fundamentals-may-2022>

- Official discussion forum:

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

- Official Facebook group:

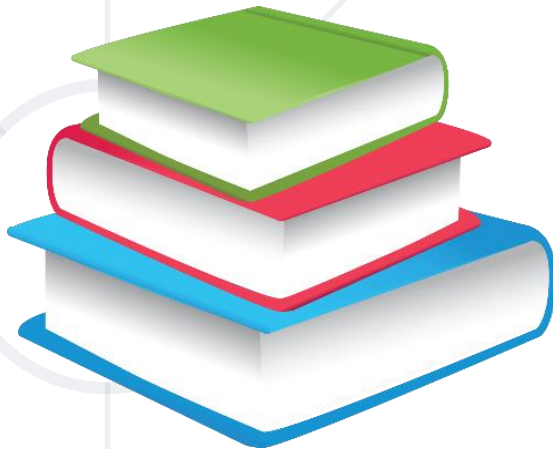
<https://www.facebook.com/groups/javawebmay2022>

- Community Facebook group:

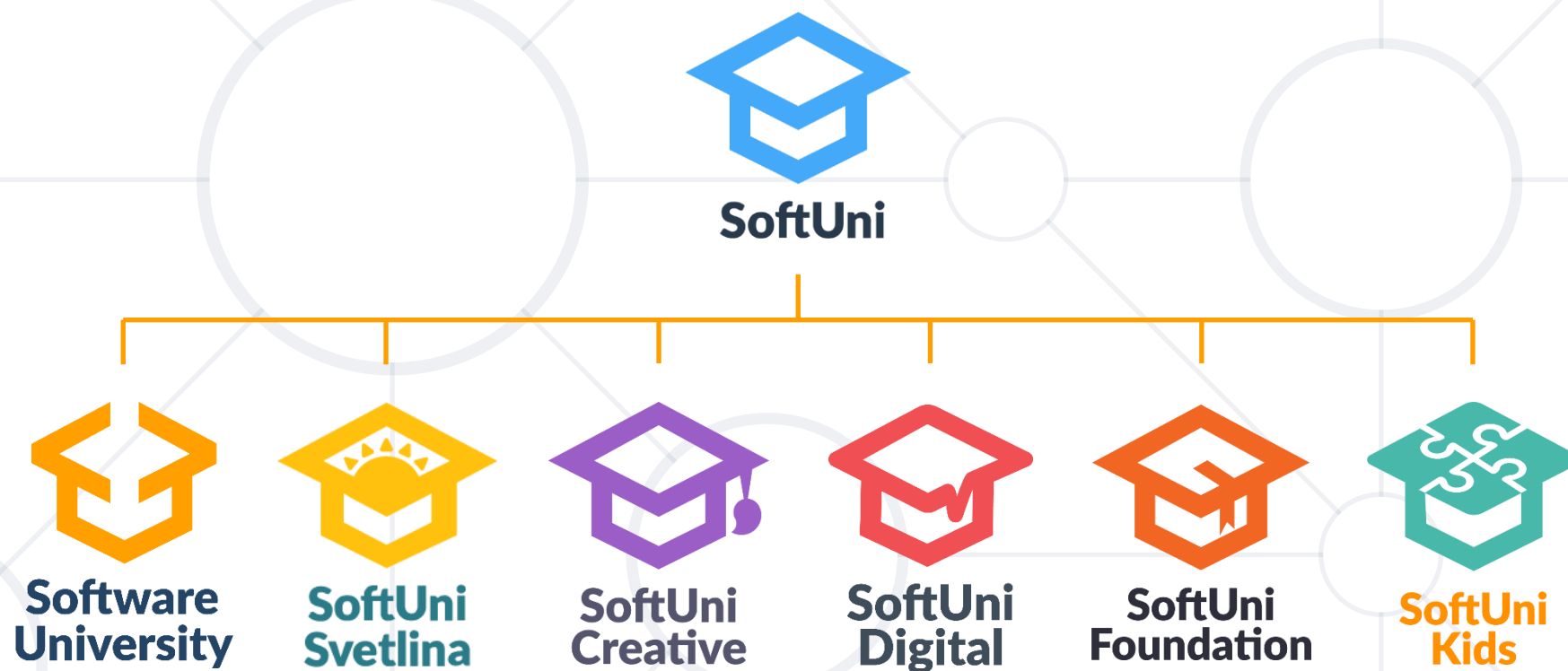
<https://www.facebook.com/groups/SoftUniJavaCommunity/>



- 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

- Software University Foundation

- softuni.foundation

- Software University @ Facebook

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- Software University Forums

- forum.softuni.bg



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