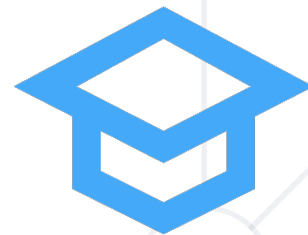
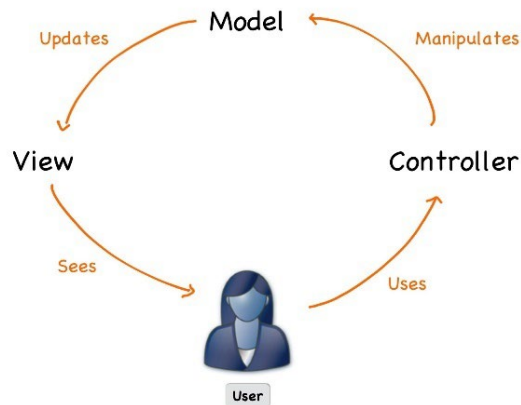


Spring Fundamentals

Course Introduction



SoftUni

SoftUni Team
Technical Trainers



Software University

<https://softuni.bg>

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sli.do

#java-web

SoftUni Diamond Partners

**SUPER
HOSTING
.BG**



**Coca-Cola HBC
Bulgaria**

 **Flutter**TM
International

INDEAVR
Serving the high achievers

 **AMBITIONED**

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KINGS**

 **SOFTWARE
GROUP**

 **BOSCH**

 **Postbank**
Решения за твоето утре

 **PHAR
VISION**

 **SmartIT**

DXC
TECHNOLOGY

createX




Course Objectives & Program

Spring Fundamentals

- **Resources**
 - **Mini Course HTML & CSS:** Two lectures and one workshop
 - **Front End Basics:** Basic work with bootstrap and JavaScript.
- **Course Introduction:** Course Program, Trainers, Exams, Resources
- **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**



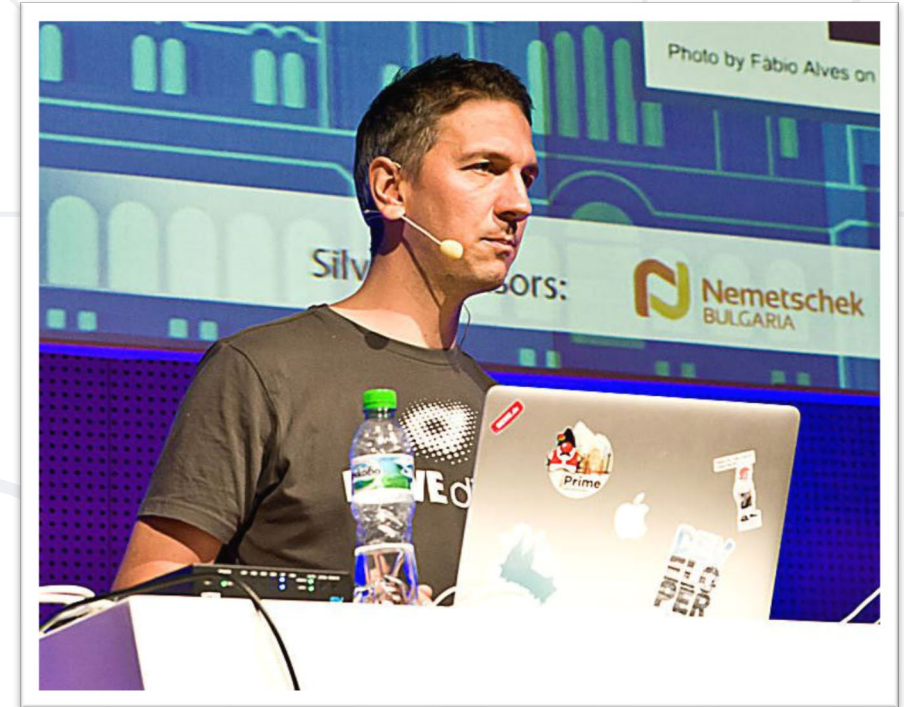
- **State Management:** Cookies, HTTP Sessions
- **Spring Essentials:** Thymeleaf and Spring Controllers
- **Workshop**
- **Thymeleaf and Validations:** Thymeleaf advanced functions and Validations
- **Exam Preparation**
- **Workshop**
- **Exam**





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 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/>



- Member of Technical Staff @ **VMware**
- **3+ years** of professional programming experience
- Top student at SoftUni





Course Organization

Java Web Module at SoftUni – Timeline

13-Sept-2023

23-Oct-2023

9/10-Dec-2023

Spring Fundamentals

Lessons + exam

- 6 weeks * 2 times / week
 - 12 credits
- Start: 13-Sept-2023
- Theoretical Exam: 21-Oct-2023
 - Exam: 21-Oct-2023


Spring Advanced

Lessons + exam

- 6 weeks * 2 times/week
 - 18 credits
- Start: 23-Oct-2023
- Theoretical Exam: 9/10-Dec-2023
- Project Defense: 9/10-Dec-2023

Re-Take Exams

- Fundamentals: 14-Dec-2023
- Advanced: 20-Dec-2023



**Practical
Exam
100%**

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



- 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/4235/spring-fundamentals-september-2023>

- Official discussion forum:

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

- Official Facebook group:

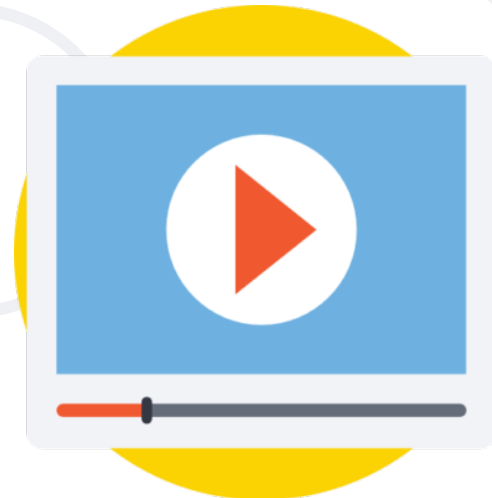
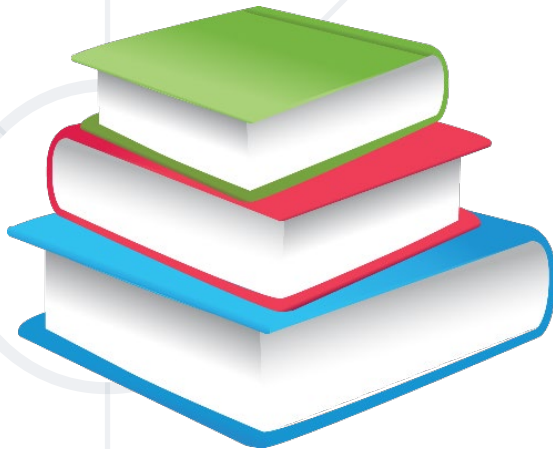
<https://www.facebook.com/groups/javawebseptember2023>

- Community Facebook group:

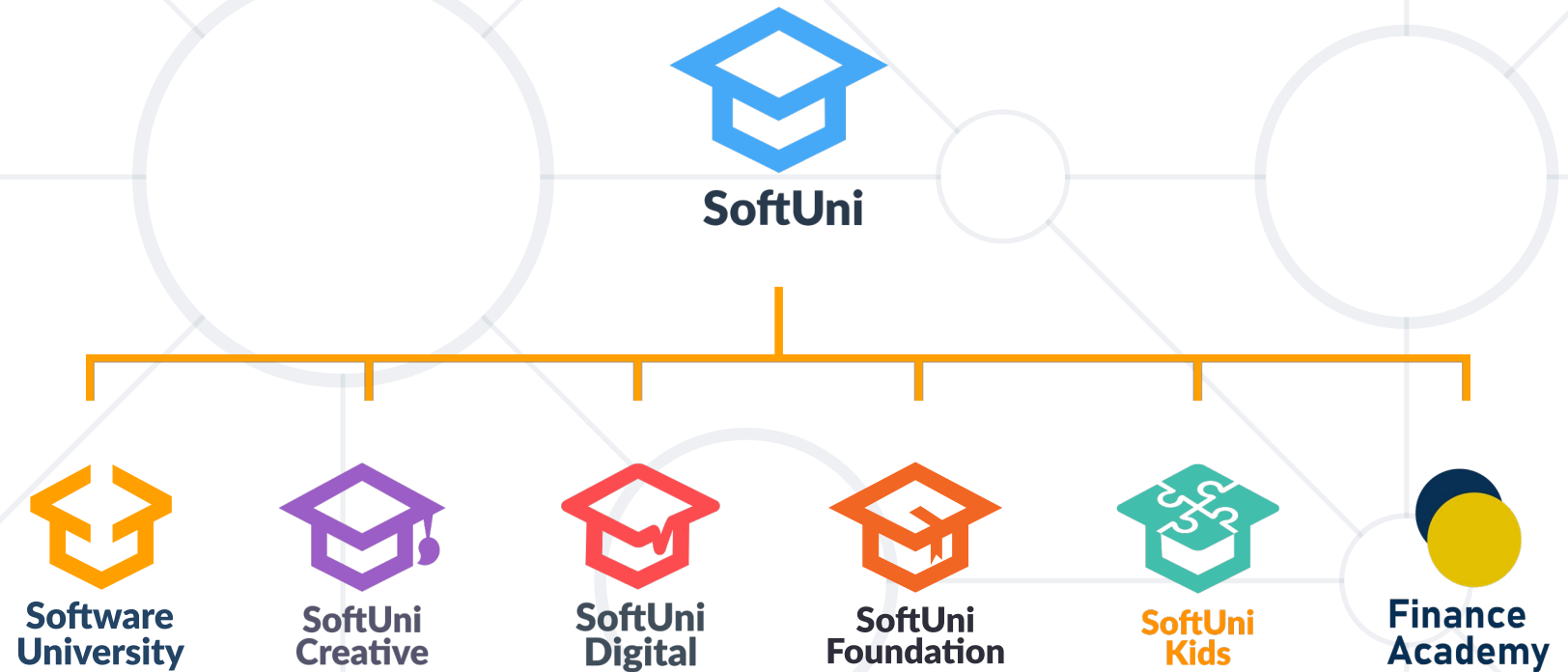
<https://www.facebook.com/groups/SoftUniJavaCommunity/>



- 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

- facebook.com/SoftwareUniversity

- Software University Forums

- forum.softuni.bg



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