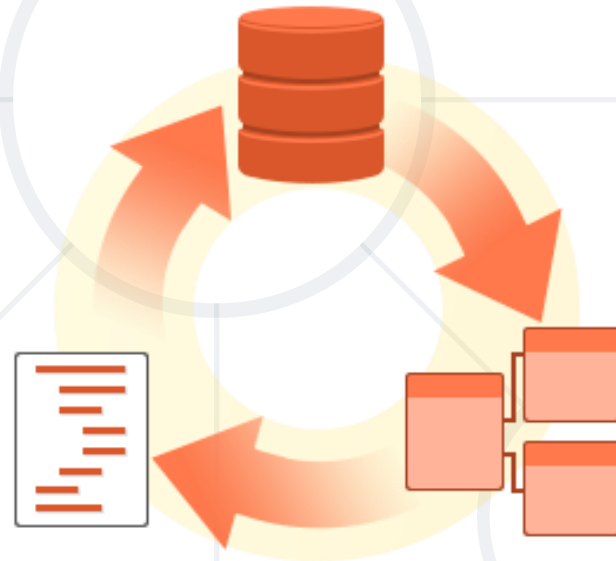


Databases Advanced

Course Introduction



SoftUni Team
Technical Trainers



**Software
University**



**SoftUni
Foundation**



Software University

<http://softuni.bg>

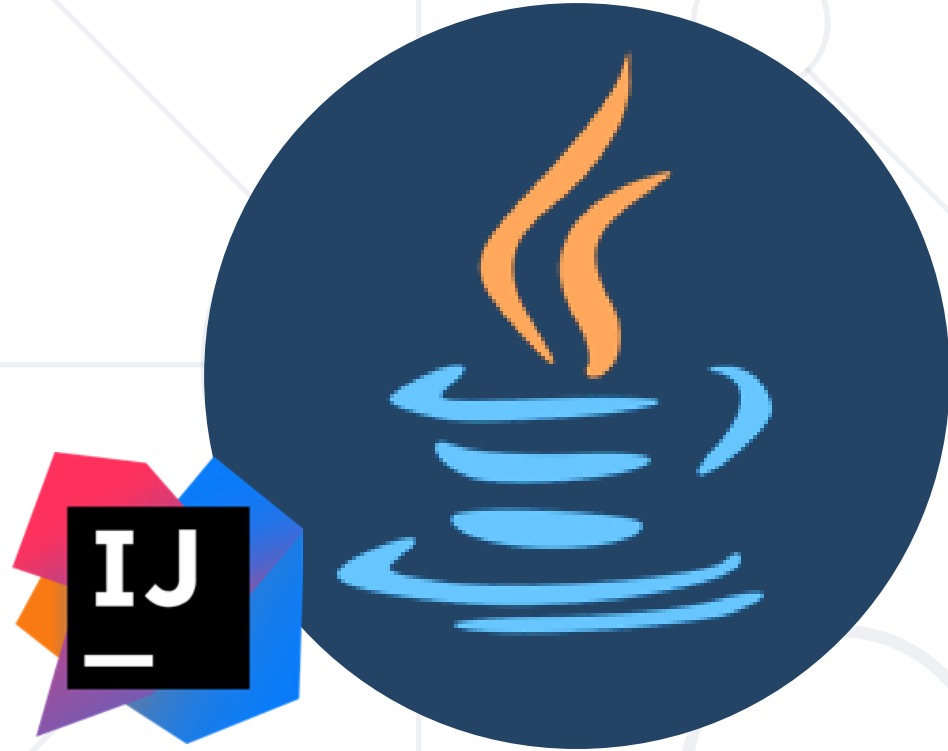
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2. The Trainers Team
3. Course Organization
 - Homework
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4. Resources



sli.do

#JavaDB



Databases Advanced

Course Objectives & Program

- The **Databases Advanced** course covers
 - Connecting to local DB instance
 - ORM, Hibernate and Spring Data
 - Code-First implementations
 - Programming Patterns
 - Working with data in other formats (XML, JSON)



- Java OOP Overview
- Introduction to DB Applications
- Creating Custom ORM Framework
- Introduction to Hibernate
- Entity Relations in Hibernate
- Introduction to Spring Data



Course Topics (2)

- Spring Data Advanced Querying
- Spring Data Auto Mapping Objects
- JSON Processing
- XML Processing
- Creating Large DB
- Exam Preparations





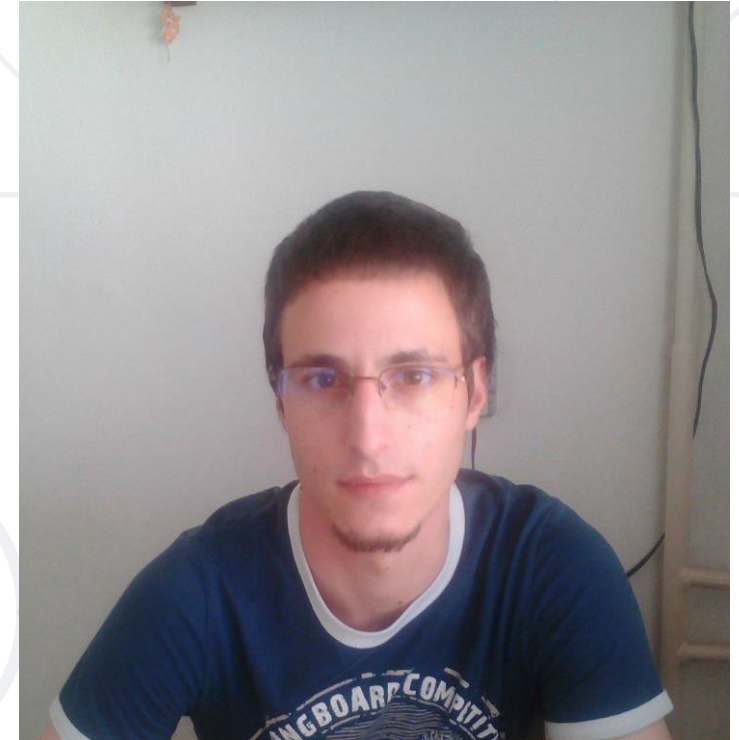
The Trainers Team

■ Doncho Minkov

- Senior Full Stack Developer in SoftUni
- 10+ years in IT
 - 8+ years of experience as a Technical Trainer @ Telerik Academy
 - Front-end developer by heart
 - Software developer by need
- Experience with all popular mobile platforms
 - Android, iOS, Windows
- Fluent in Node.js, .NET, Angular, Java, C++
- "30 under 30" – Forbes 2017 - Education



- **Radoslav Ivanov**
 - Technical Trainer @ SoftUni
 - Java Web Developer
 - Experience with MySQL and Hibernate
 - Interested in self-development and business





Course Organization

DB Fundamentals Module – Timeline

17-Sept-2018

22-Oct-2018

09-Dec-2018

Database Basics - MySQL

**5 weeks * 4 times / week
9 credits**

**Start: 17-Sept-2018
Final exam: 21-Oct-2018**

**Database Advanced -
Hibernate**

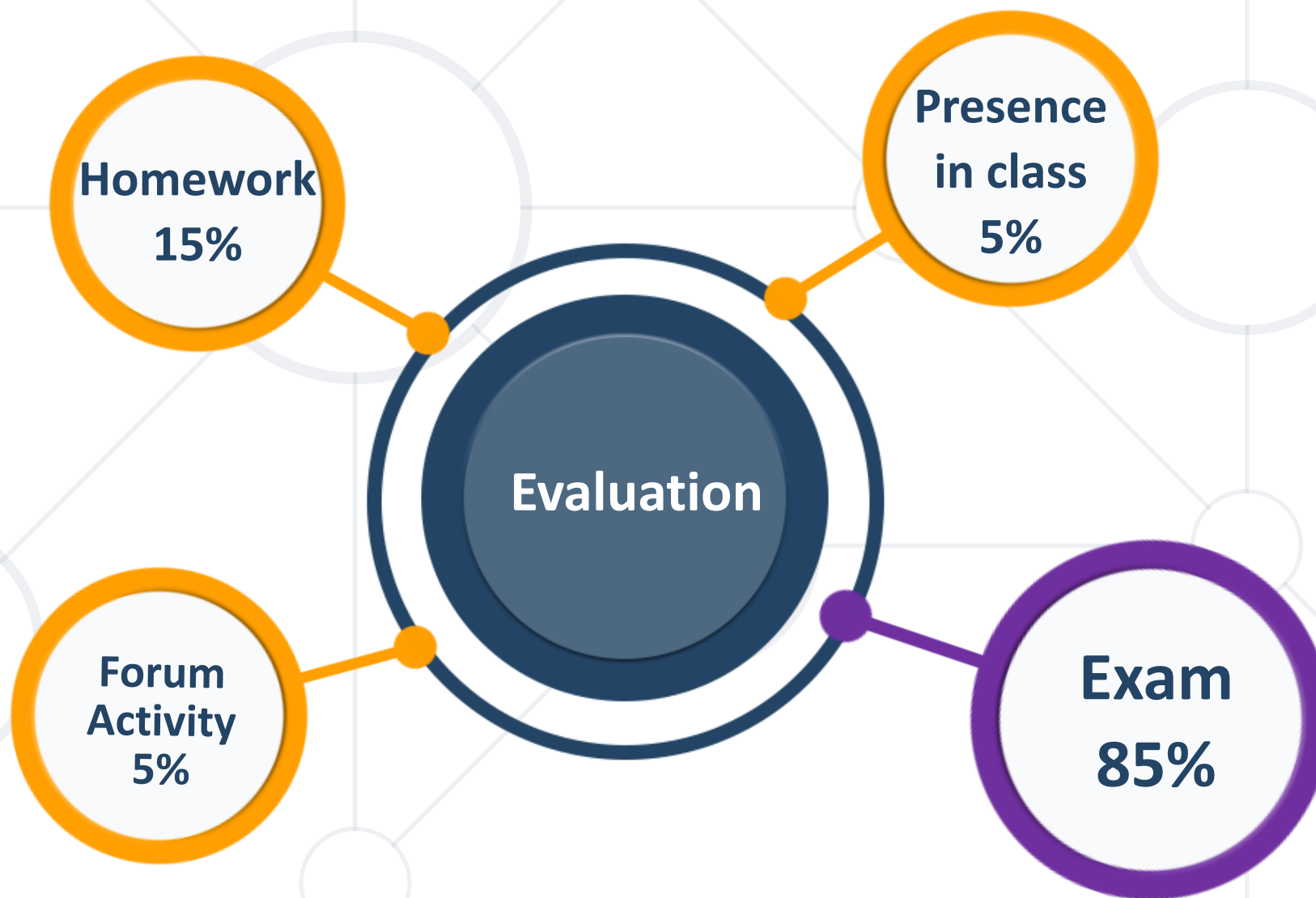
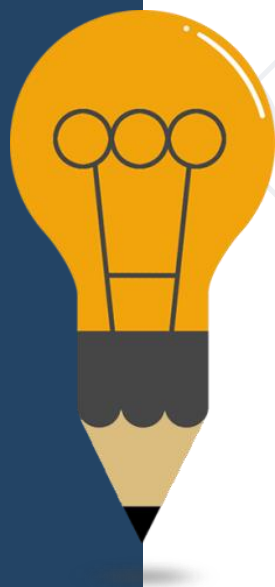
**7 weeks * 4 times / week
15 credits**

**Start: 22-Oct-2018
Final exam: 09-Dec-2018**

Re-Take Exams

TBA

Scoring System for the Course



Homework Assignments & Exercises

- Your homework is mainly work in class!
 - Lesson days → slides + live demos + exercises
 - Exercise days → only exercises
- How to submit your homework?
 - Submitted on the course page in **softuni.bg**
- Exam - Project





Resources

What We Need Additionally?

- Official web site:

<https://softuni.bg/trainings/2089/databases-frameworks-hibernate-and-spring-data-october-2018>

- Official discussion forum:

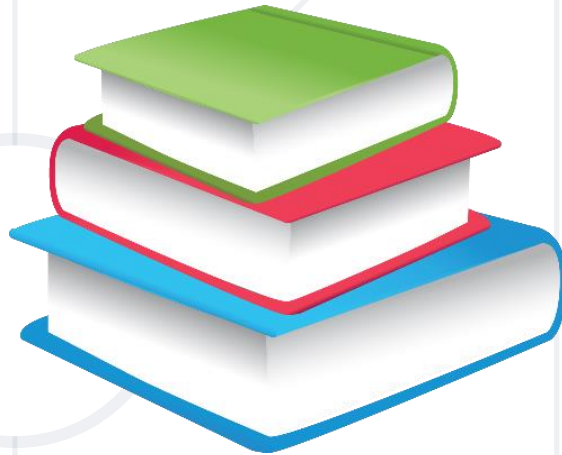
<https://softuni.bg/forum/categories/78/databases-advanced-hibernate>

- Official Facebook groups:

<https://www.facebook.com/groups/SoftUniJavaDBFundamentalsSeptember2018/>



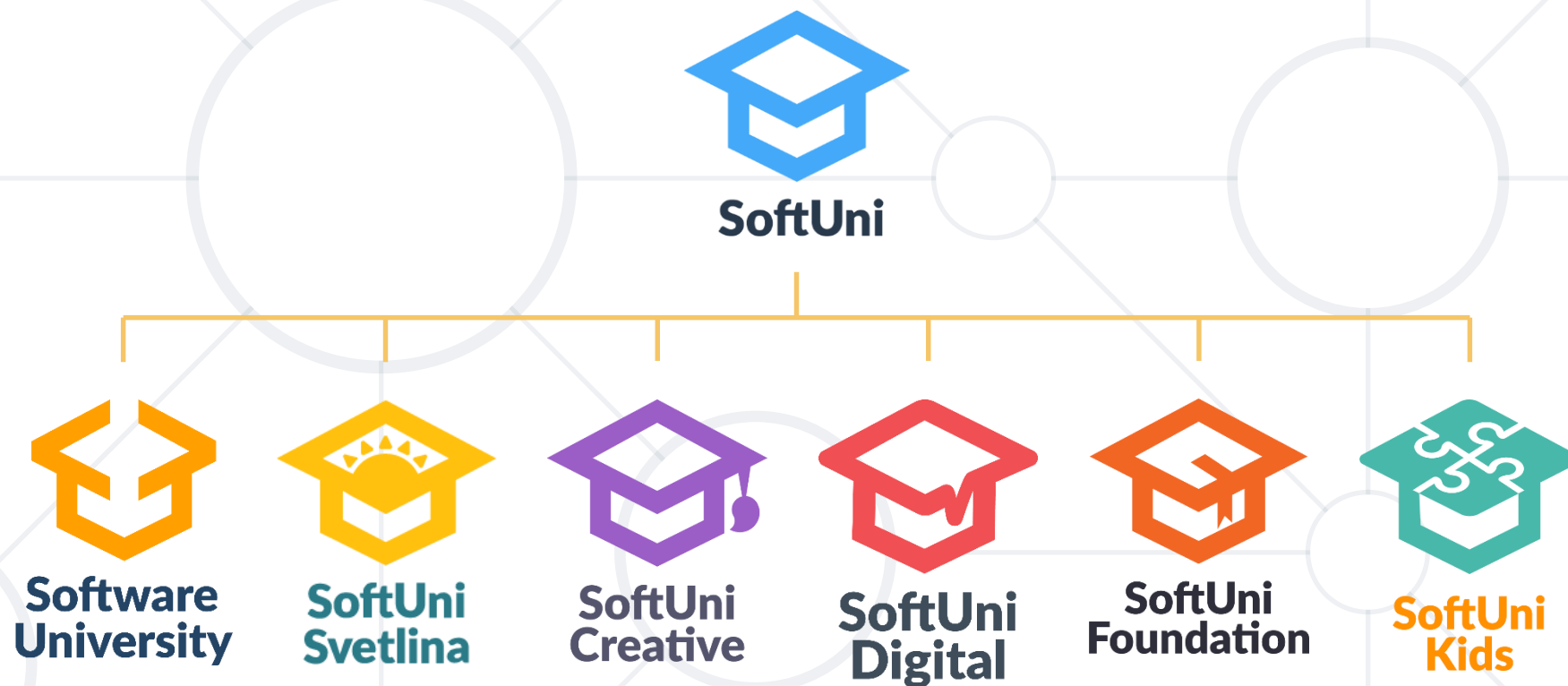
- All lecture slides, videos, homework assignments, projects and other resources are open content, available for free
 - Visit the course [web site](#) to access the course resources



- 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!



Questions?



SoftUni Diamond Partners



XSsoftware



SBTech



telenor



SoftwareGroup
doing it right

NETPEAK



SmartIT



Postbank

Решения за твоето утре

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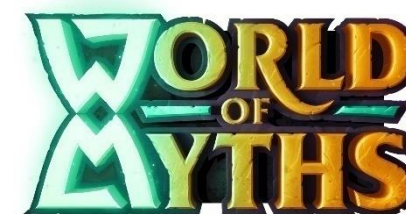


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SoftUni Organizational Partners



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 - forum.softuni.bg



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