

MySQL

Course Introduction



SoftUni Team
Technical Trainers



SoftUni

Software University

<https://softuni.bg>

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#java-db

SoftUni Diamond Partners



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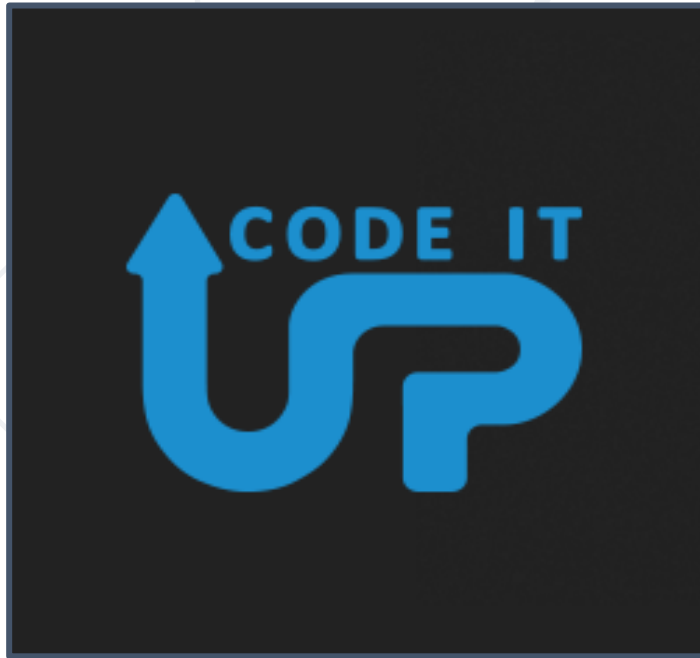
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Database Basics

Course Objective & Program

- The **MySQL** course provides
 - Basic database and query concepts
 - Establishes fundamentals for further DB trainings
 - Content: SQL syntax, data types, programmability
- What is **NOT** covered?
 - Client-side implementations
 - API Libraries

- Introduction to Databases. Data Definition and Datatypes
- Basic CRUD, intro to SQL
- Built-in functions
- Data aggregation
- Table Relations
- Subqueries and JOINS
- Functions, Triggers, Transactions



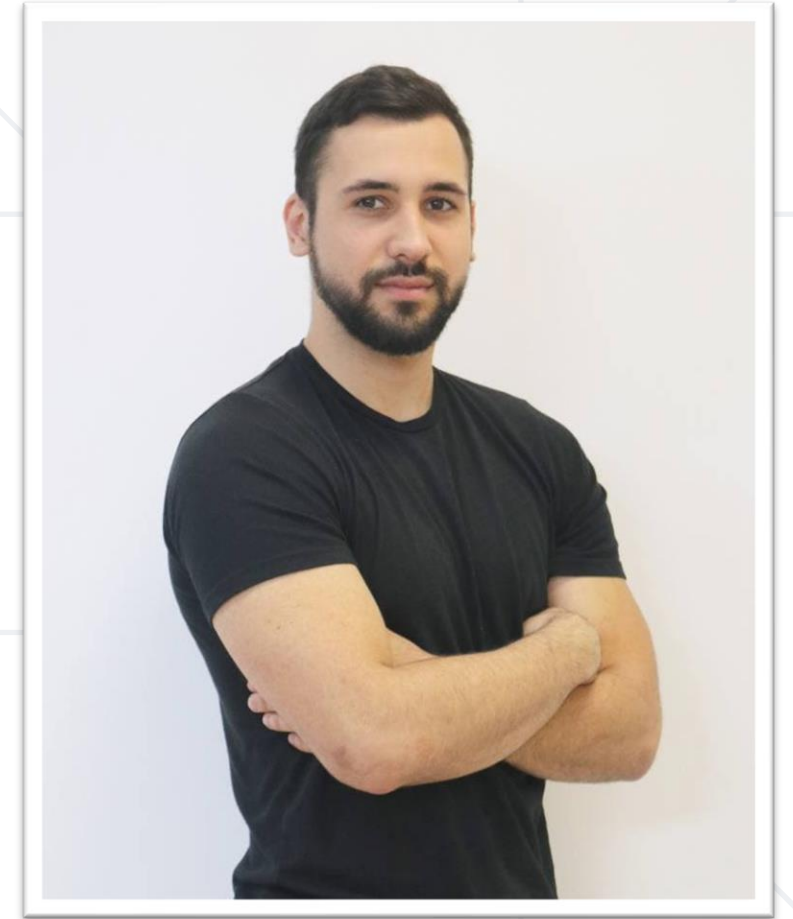


The Trainers Team

- Team Lead @ Netinfo
- 9 years full-stack web developer
- Back-end / front-end, SEO, UX
- Making CD / CI Systems
- Current projects: Gong.bg, Nova.bg, Dariknews.bg, Vesti.bg, Sinoptik.bg



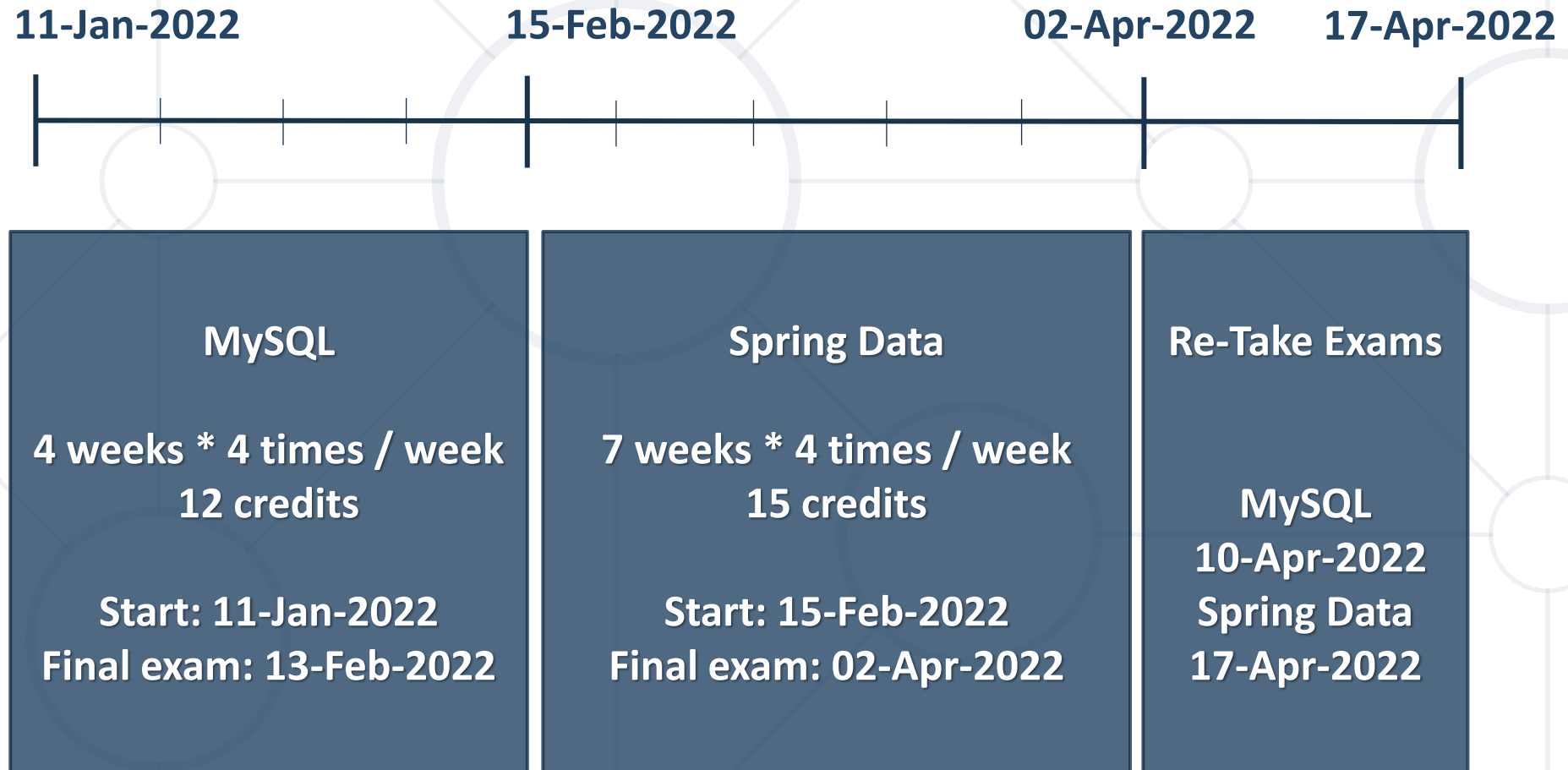
- Technical Trainer @ SoftUni
- Java Developer @ Playtech Bulgaria
- Top Student @ SoftUni
- Experience with Java, JavaScript, TypeScript and Angular
- Plays basketball and billiard in his spare time
- Interested in books, movies and comics





Course Organization

Java DB Module – Timeline







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 in the **judge system**
- Do your homework when it's due!
 - Assignments pile up quickly



- Section 0: **Database Overview**
 - You are given an Entity / Relationship Diagram of some Database
- Section 1: **Data Definition Language (DDL)**
 - Data Types, Constraints
- Section 2: **Data Manipulation Language (DML)**
 - Insert, Update, Delete

- Section 3: **Querying**
 - Data Extraction
- Section 4: **Programmability**
 - Functions and Procedures



Resources

What We Need Additionally?

Java DB Course Web Site and Forum

- Official web site:

<https://softuni.bg/trainings/3602/mysql-january-2022>

- Official discussion forum:

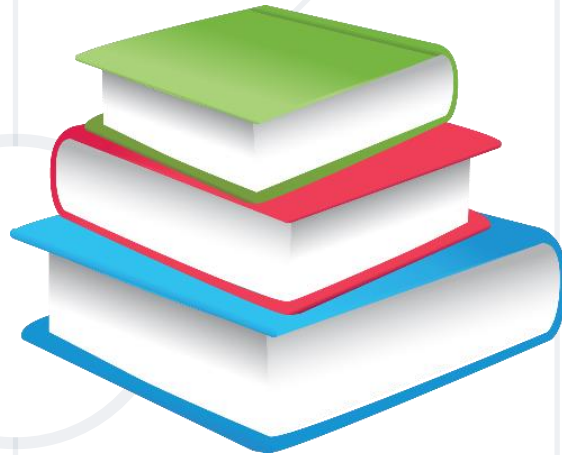
<https://softuni.bg/forum/categories/77/databases-basics-mysql>

- Official Facebook group:

<https://www.facebook.com/groups/JavaDBJanuary2022/>



- 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



- Software needed for this course:
 - Microsoft Windows 10
 - Workbench - <https://dev.mysql.com/downloads/workbench/>



- 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?



- 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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