

COURSE CERTIFICATE

№ 02WEBDEVEL-0123-1

Date of issue 05/06/2023

This is to certify that

Морозов Сергей Владимирович

Successfully completed the course

WEB DEVELOPMENT WITH JAVA SPRING FRAMEWORK

2 credits

The description of the course and the achieved learning results are given in the appendix to this certificate.

E-CERTIFICATE

<https://open.spbstu.ru/certificate/02WEBDEVEL-0123-1.pdf>



Vice-rector for academic affairs
Elena M. Razinkina

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<http://www.spbstu.ru/>

THE NAME OF THE COURSE WEB DEVELOPMENT WITH JAVA SPRING FRAMEWORK
<https://openedu.ru/course/spbstu/WEBDEVEL/>

LEAD-TIME

From March 13, 2023 to May 14, 2023

Assessment, number of hours and credits per course

Credits	Hours		Assessment		
	General	Academic	100-point	5-point	Letter
2	54	72	100	5	A

GRADING POLICY

Evaluation scale ranges (100-point scale)	Score (5-point scale)	Letter
90-100	5	A
75-89	4	B
60-74	3	C
0-59	2	F

COURSE PROGRAM

Module 1. Spring Framework Introduction

- Lesson 1.1. Greeting
- Lesson 1.2. Introduction. Why learn the Spring Framework?
- Lesson 1.3. Setting up the development environment

Module 2. Spring Core

- Lesson 2.1. Spring Inversion of Control
- Lesson 2.2. Dependency
- Lesson 2.3. Resources
- Lesson 2.4. Spring Inversion of Control application development

Module 3. Spring MVC

- Lesson 3.1. MVC Overview
- Lesson 3.2. Spring MVC
- Lesson 3.3. Simple Web Application development

Module 4. Spring DATA

- Lesson 4.1. Java Persistence API
- Lesson 4.2. Work with DBMS
- Lesson 4.3. CRUD

Module 5. Spring REST

- Lesson 5.1. Spring REST
- Lesson 5.2. Spring REST exception handling
- Lesson 5.3. CRUD with REST controllers

Module 6. Final Project

WHAT YOU'LL LEARN:

- Understand the Dependency Injection, Inversion of control and how to access data using Hibernate.
- Be able to develop a web application with Spring MVC and to develop a RESTful Web Services.

SCORING FORMULA:

Nº	Assessment Type	Points scored	Maximum score	Quotient
1	Graded Test	100	100	0,25
2	Assessment Test	100	100	0,35
3	Final Practical Work	100	100	0,25
4	Final Exam	100	100	0,15
5	Final Score	100	100	1

Appendix to the certificate №
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