

ITWS – FINAL EXAM INSTRUCTIONS

Dear Students,

Below you may find instructions for the Final Exam.

Final Exam will be delivered in a form of practical Project. Options (types of applications) for the final project are described below.

Distribution of total number of 30 points is the following:

- Project implementation – 15 points
- Project documentation – 5 points
- Project defence and oral examination – 10 points

*** All materials required for succesful preparation for the final exam part that refer to Spring framework are in the section – 2021-22 Class materials -> Lectures – FINAL EXAM MATERIALS - SPRING

PROJECT

You should implement Spring project in which you will demonstrate that you understand the following concepts:

- Spring beans and dependency injection, both constructor and setter injection (Exercise 1)
- Injecting collections (Exercise 2)
- Autowiring (Exercise 3)

Your project should consist of at least 10 POJO classes.

The topic for the final project is arbitrary.

PROJECT DOCUMENTATION

Project documentation should consist of 8-10 word pages. Suggested structure:

- Introduction (topic of your project)
- Techonlogy (Overview of Spring framework and basic details)
- Implementation (project setup and the most important code snippets)
- Conclusion and future upgrades

ORAL EXAMINATION

For the Oral examination part you should demonstrate that you understand Spring basics, as well as Node.js and React basic principles (please make sure that you cover syllabus from the exercises).

For this part, please read **PP01**, **PP02**, **PP03** and **PP04 Spring Framework** presentations. If you know how to implement final project, you will not have problems with the theory.

Moreover, for this part, please read materials and watch videos from the exercises part of this course.

Important: as we already discussed, you can team up for the final project. Teams should consist of maximum 2 members.

GOOD LUCK.

PROFESSOR AND ASSISTANT