Java Technologies

Let's Make the Acquaintance

Your trainer:

Victor Mozharsky

Представьтесь, пожалуйста

- Фамилия, имя
- Образование: ВУЗ, специальность, год окончания (для студентов – курс)
- Опыт работы с Java SE (лет или месяцев, коммерческий или любительский)
- Опыт работы с Java EE
- Опыт работы с другими языками программирования

Course Goals

- Training for the practical work in a large java project

- Main direction: you will acquire skills of self-supporting development

- Part I should give all of you the same level of actual knowledge and practical skills on Core Java, preparing you to study Part II

- Part II will introduce you to modern Java EE technologies

Course Structure. Part I

- **Section I. Introduction**
- **Section II. Java Language**
  - Java Basics
  - Essential Java Classes
  - OOP
- Test I

- **Section III. Java SE**
  - Collections
  - Generics
  - I/O Basics
  - Multithreading
  - Work with database
- Test II
- Practical Work

Course Structure. Part II

- Section I. Introduction to Java EE
- Section II. Java Persistence
- Section III. Web Applications
- Section IV. Spring Technology
- Section V. Web Services
- Self-supporting project

Course Preliminaries

- **Main**
  - You know a programming language
  - You have some development skills
  - You don't know Java

- **Additional**. You know:
  - What is database
  - SQL
  - XML
  - HTML

Our Timetable

- Monday, Wednesday, Thursday
- 18:00 - 21:00

Our Work Organization

- Attendance, being late, breaks
- During a lesson you will have:
  - Theoretical parts
  - Questions for control
  - Self-supporting development tasks
- Home tasks
- Usually examples are from real projects
- How ask questions
- Turn off your computers!
- Ventilations

Our Work Organization

- During a lesson you will have:
  - Theoretical parts
    - Course aim: get practical (not only theoretical!!!) skills
    - Course aim: give you a road map for studying Java
    - Presentations give you general view of the topics
    - Use links from presentations, manuals and Google for deeper studying
    - A lot of traditional topics (SWING, applets etc.) are removed from the course due to lack of demand from customers
  - Questions for control
  - self-supporting development tasks

Our Work Organization

- During a lesson you will have:
  - Theoretical parts
  - Questions for control
    - Quizzes allow you self control
    - Quizzes are for discussions (not for appraisal)
    - Quizzes contains additional information
  - Self-supporting development tasks

Our Work Organization

- During a lesson you will have:
  – Theoretical parts
  – Questions for control
  – Self-supporting development tasks
    - The main element of the course
    - Time limitation and group interests
    - Task discussion
    - Use task solution at home
    - Help you by yourself

Our Work Organization

- Home tasks
  - Mandatory
  - Usually time-consuming and sophisticated
  - Class discussions
- Usually examples are from real projects
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