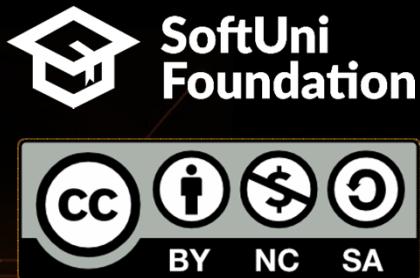


Java Web Development Basics

Course Introduction



SoftUni Team
Technical Trainers
Software University
<http://softuni.bg>

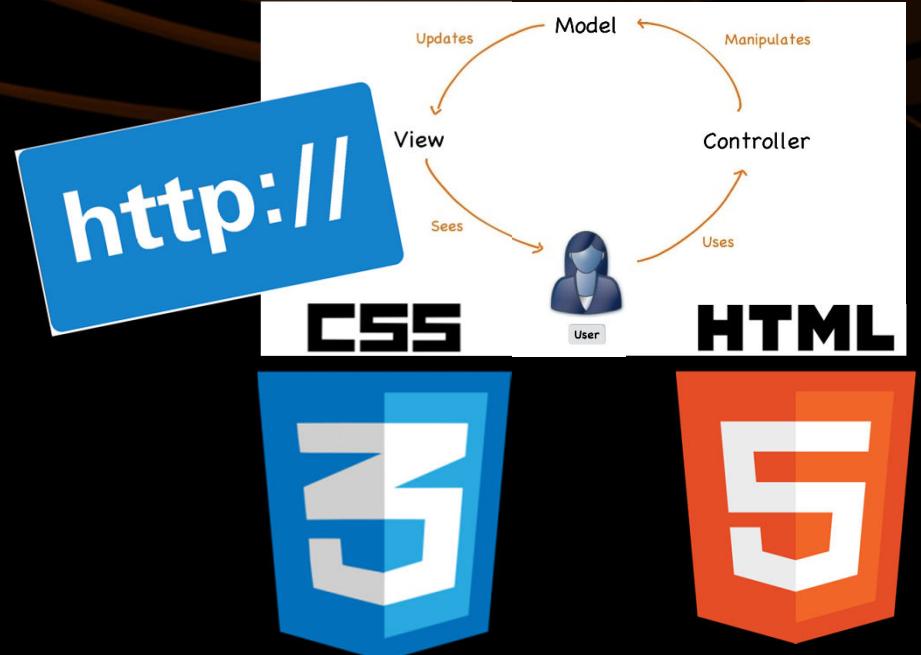


Table of Contents



A slide titled "Java Web Module @ SoftUni" with the subtitle "4 Months Web Development Training". It features a central illustration of a computer monitor displaying a rocket launching from a launch pad, surrounded by various icons related to web development like a smartphone, a keyboard, and a lightbulb.

A slide titled "Java Web Development Basics" with the subtitle "Course Objectives & Program". It features an illustration of a person holding a large document titled "Syllabus" which lists course objectives.

A slide titled "The Trainers Team" featuring a cartoon character of a person with blue hair and a yellow suit, standing behind a podium with the SoftUni logo on it.

A slide titled "Evaluation" showing a graphic of a checklist with several items, one of which has a large checkmark.

SoftUni Diamond Partners



SoftwareGroup
doing it right



**SUPER
HOSTING**
®:BG

SoftUni Diamond Partners



Questions



sli.do

#java-web



Java Web Module @ SoftUni

4 Months Web Development Training

Java Web Module Goals



- “Java Web” Module @ SoftUni
 - 4 times weekly, mainly practical exercises
 - Part I – Web Development Basics
 - Web Fundamentals, HTTP Protocol, Hand-Made Web Server, Hand-Made MVC Framework
 - Part II – MVC Frameworks
 - Essentials, View Engines, Security, Architecture, Unit Testing, Services, Control Flow, Deployment

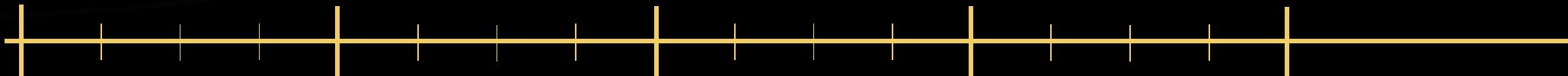
Java Web Module at SoftUni – Timeline



14-May-2018

01-July-2018

August-2018



Java Web Development Basics

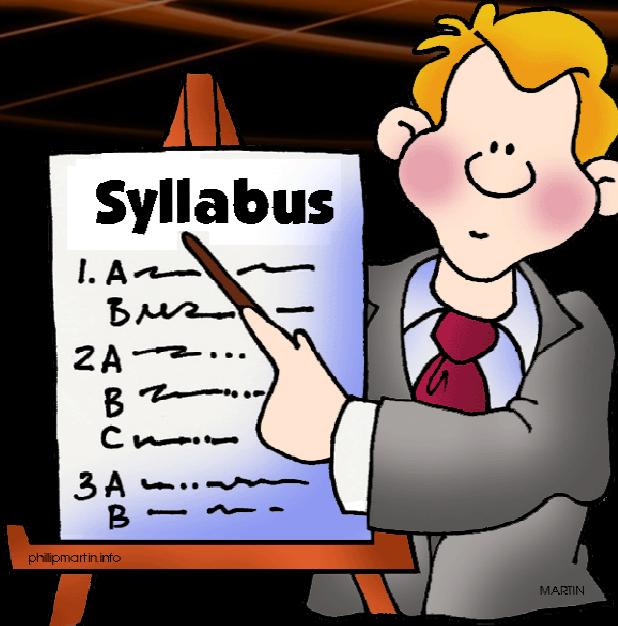
- Lessons + exercises + exam
- 6 weeks * 4 times / week
 - 12 credits
 - Start: 14-May-2018
 - Exam: 01-July-2018

Java MVC Frameworks

- Lessons + exercises + exam
- 6 weeks * 4 times / week
 - 18 credits
 - Start: 02-July-2018
 - Project Defense: 25-August-2018

Java Web Re-Take Exams

Last week of
August 2018 &
First week of
September 2018



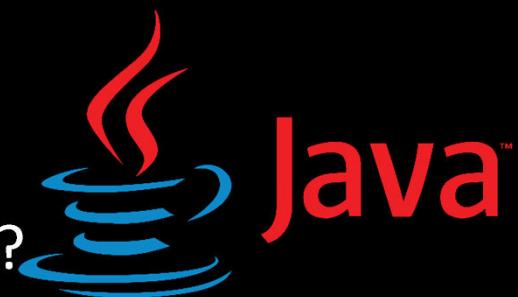
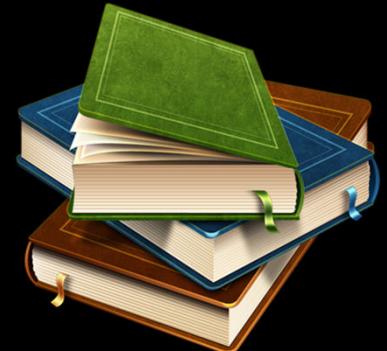
Java Web Development Basics

Course Objectives & Program

Java Web Dev Basics – Course Program



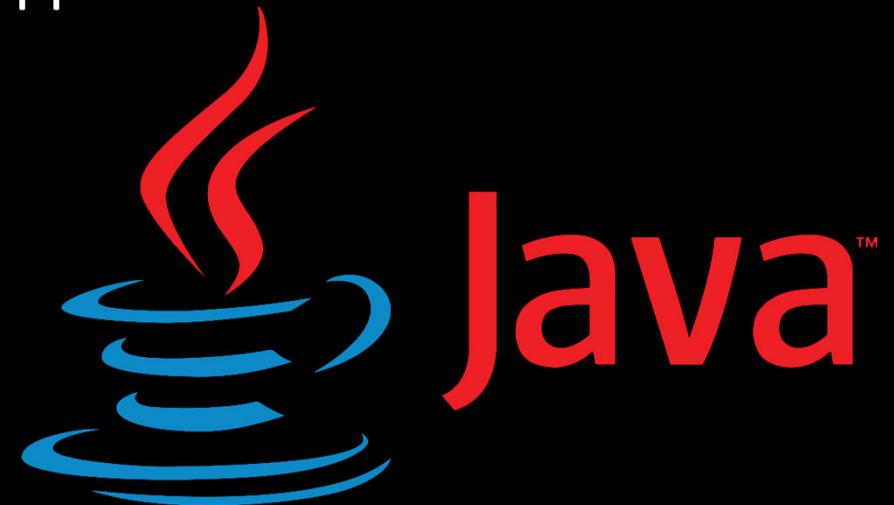
1. Course Introduction – Course Program, Trainers, Exams, Resources
2. Web Fundamentals Introduction: HTML & CSS
3. HTTP Protocol – HTTP Protocol Intro, Requests, Responses
4. State Management – Cookies & Sessions
5. Workshop: Web + Hibernate – Including Hibernate
6. Introduction to Java EE – What is Java EE?
7. Java EE: Servlets & JSP – What are Servlets? What are JSPs?



Java Web Dev Basics – Course Program (2)



9. Java EE: Java Server Faces – What is JSF?
10. Hand-made Web Server – Creating a Simple MVC Framework and a Web Server
11. Workshop: MVC – Implementing a web application with the MVC Framework
12. Exam Preparation





The Trainers Team

Trainers Team

■ Ivan Yonkov

- Co-Founder & CEO @ Codexio
- CTO @ LockTrip
- Former Training Director @ SoftUni
- 5+ years developer experience
- 3+ years QA experience
- 4+ years of being Technical Trainer @ SoftUni



Trainers Team

■ Ivaylo Jelev

- Training Leader @ Software University
- Almost 3 years of being Technical Trainer @ Software University
- Top Performing Student
- Professional Exercise & Exam Problem Creator ☺





Java Web Dev Basics: More Details

Duration, Schedule, Languages, etc.

Training Duration – Java Web Dev Basics



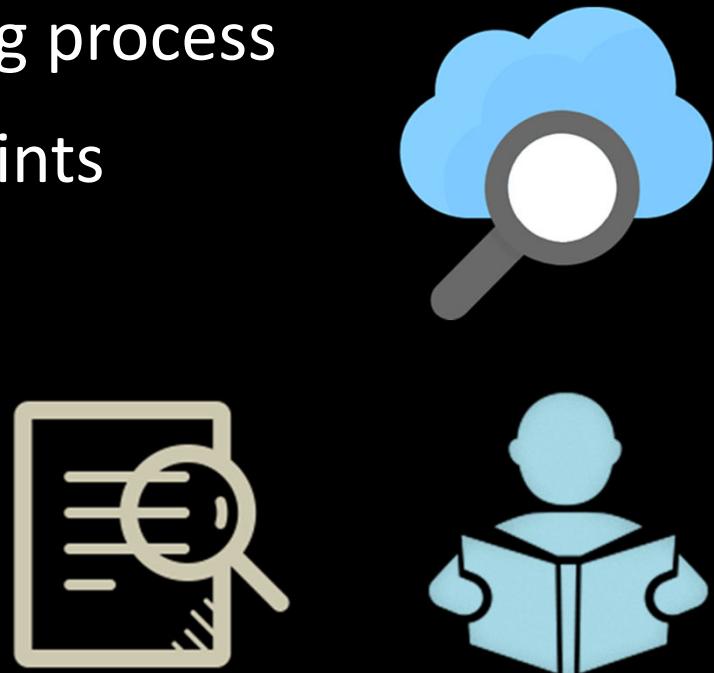
- Lessons: ~50 hours (onsite + videos)
- Practical exercises (in class): ~60 hours
- Exam preparation: 2*4 hours
- Exam: 6 hours
- Schedule: May – July 2018
- Exam date: 01 July 2018



Learn to Search in Internet & Find Solutions!



- 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!





Evaluation



Java Web Dev Basics

Evaluation Criteria

Scoring System for “Java Web Dev Basics”

- Exam – 90%
- Homework (exercises) – 10%
- Bonuses: up to 10%
 - Presence in class: 5%
(onsite students only)
 - Forum activities
 - Others



Java Web Development Basics Exam

- Practical web development exam
 - Complete several miniature tasks:
 - Using JSPs
 - Using Servlets
 - Debugging a simple web application
 - Given the MVC Framework and Web Server
 - Given a broken Web Application
 - Duration: **6 hours.**
 - Solutions are evaluated by hand after the exam



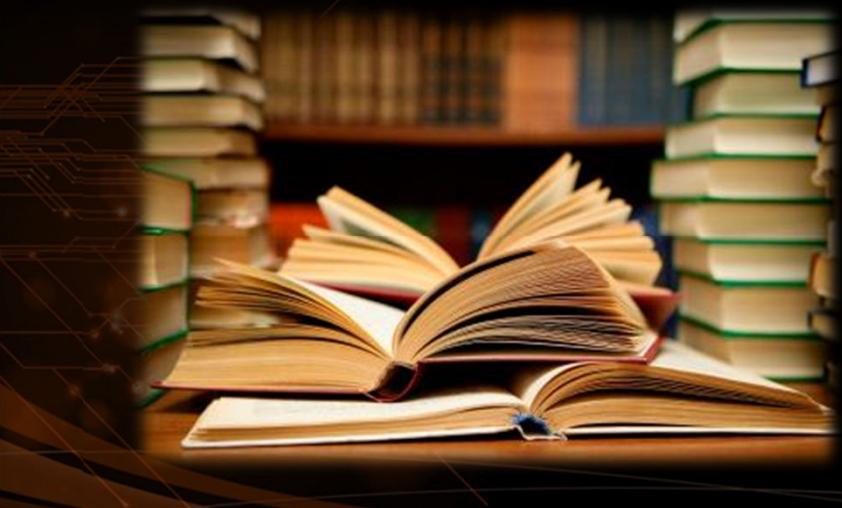
Homework Assignments

- Doing your homework is very important!
 - Programming can only be learned through a lot of practice!
 - You should write code every day!
- Each lesson is followed by many exercises
 - Try to solve them in class
 - The rest are your homework
- Homework assignments are due in 6 days after each lecture
- Submission are sent on the course page at **softuni.bg**



Resources

What We Need Additionally?



Your RFID Chip

1. Students can either

- Take **RFID chip** from SoftUni
- Or use their own chip / card



2. Register your chip number in your SoftUni profile:

<https://softuni.bg/users/profile/show>

3. Check-in at the reception every time
when you come

4. See your last visits in your profile:

<https://softuni.bg/users/profile/show>



Java Web Dev Basics Site, Forum and FB Group



- Official web site:

<https://softuni.bg/courses/java-web-development-basics>



- Official discussion forum:

<https://softuni.bg/forum/categories/73/Java-Web-Development-Basics>



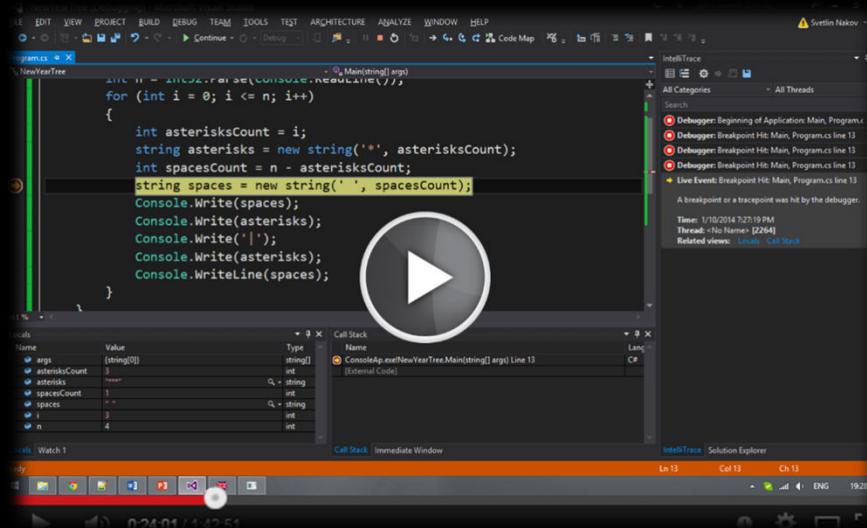
- Official Facebook groups:

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



The Java Web Slides and Videos

- 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



```
int asterisksCount = i;
string asterisks = new string('*', asterisksCount);
int spacesCount = n - asterisksCount;
string spaces = new string(' ', spacesCount);
Console.Write(spaces);
Console.Write(asterisks);
Console.WriteLine('|');
Console.Write(asterisks);
Console.WriteLine(spaces);
```



Software University Learning System (SULS)



- Software University Learning System (SULS)

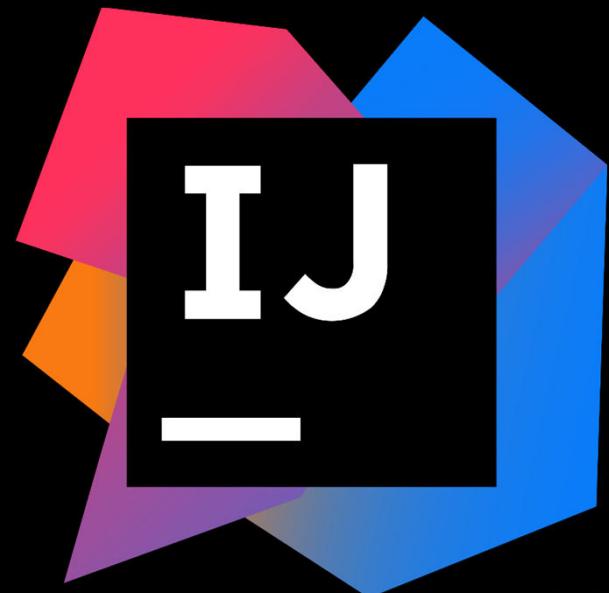
- www.softuni.bg
- Important resource for students
- Homework submissions
- Homework check-up
- Exams and results
- Reports about your progress
- ...



Required Software

- Software needed for this course:

- Microsoft Windows (Win 10 / 8.1 / Win8 / Win7) or Mac or Linux
- JetBrains IntelliJ Idea
- Eclipse



Summary

- Training program
- Practical exam
 - Simple Web Application for 6 hours
- Learning resources
 - Slides, videos, software, books, forum



Java Web Dev Basics – Course Introduction



Questions?



<https://softuni.bg/courses/csharp-web-development-basics>

License

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Trainings @ Software University (SoftUni)

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 - forum.softuni.bg



**Software
University**

