JavaScript Advanced

Course Overview

SoftUni Team

Technical Trainers

Software University

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SoftUni
Foundation

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#JSCORE

SoftUni Diamond Partners

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JS Advanced Intro
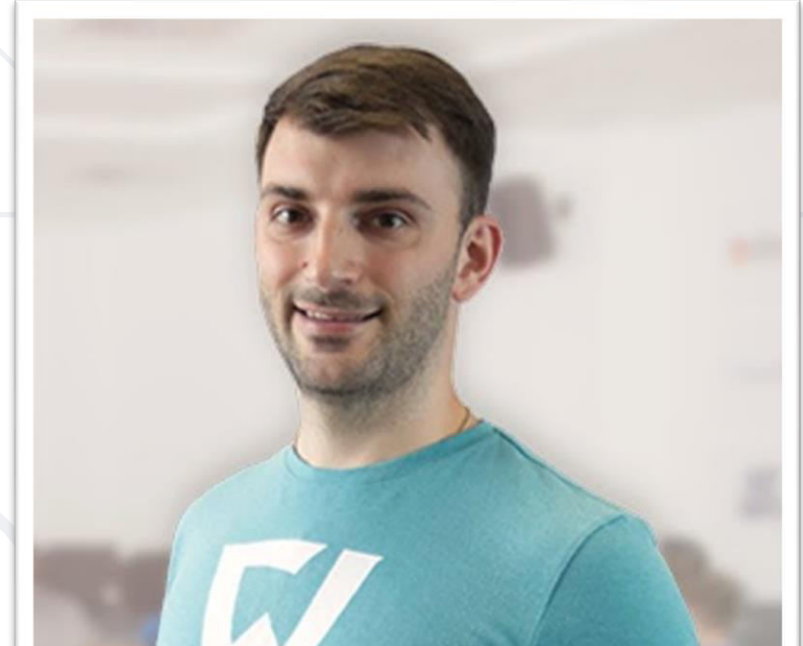
What are we going to learn?

- In this course we are going to learn:

  - DOM and BOM, Manipulating the DOM Tree

  - jQuery: Simplified DOM and Events

  - Advanced Functions: IIFE, this, call, apply, bind

  - Object Composition and Revealing Modules

  - Unit Testing with Mocha and Sinon

  - Classes and Members

  - Class Inheritance and Prototype Chain

  - Modules, Babel Transpiler, CommonJS

Trainers and Team

Pavel Kolev

- Co-Founder and Lead Developer
  in Rebellious Software

- Principal Software Engineer in Telerik

- 10 years experience in programming

- Passionate about JavaScript

Rebellious Software

- **Online Collectible Card Game**

- **Developed by Rebellious Software**

The Rules of Battle Have Changed. Gain Control. Dare to Win.

Available soon on Steam and Mobile.

Ivaylo Dimitrov

- 4+ years experience in the IT (HTML, CSS, JavaScript, C#, SQL, Windows Server)

- Excellent Software University student

- Technical Trainer in Software University

Behind the Scenes

- The team working on the materials:

  - Mladen Raykov

  - Bilyana Borislavova

  - Maya Boyadzhieva

  - Hristomir Asenov

  - Atanaska Kiricheva

  - Tanya Staneva

Course Objectives
Course Details and Schedule

Targets of the course

- Advanced coding skills for the JS language

- Extends the JS Fundamentals course

- Covers DOM, advanced functions, IIFE, object composition, unit testing, classes and inheritance, modules, transpilers, exceptions, generators, iterators

Exam

SoftUni Foundation

- Link to last JS-Advanced exam:
  https://judge.softuni.bg/Contests/1158/JS-Advanced-Retake-Exam-30-August-2018

- Structure: 4 problems for 6 hours

  - Problem One – Dom manipulations

  - Problem Two – Unit testing

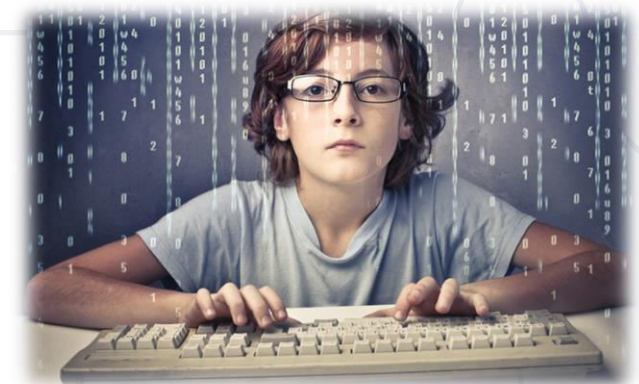 - Problem Three – Classes

  - Problem Four – Advanced jQuery/DOM

Course Organization

Structure of the course

- **Lectures**:
  - Twice a week (4 hours each)
  - Learn new material

- **Exercises**:
  - Twice a week (4 hours each)
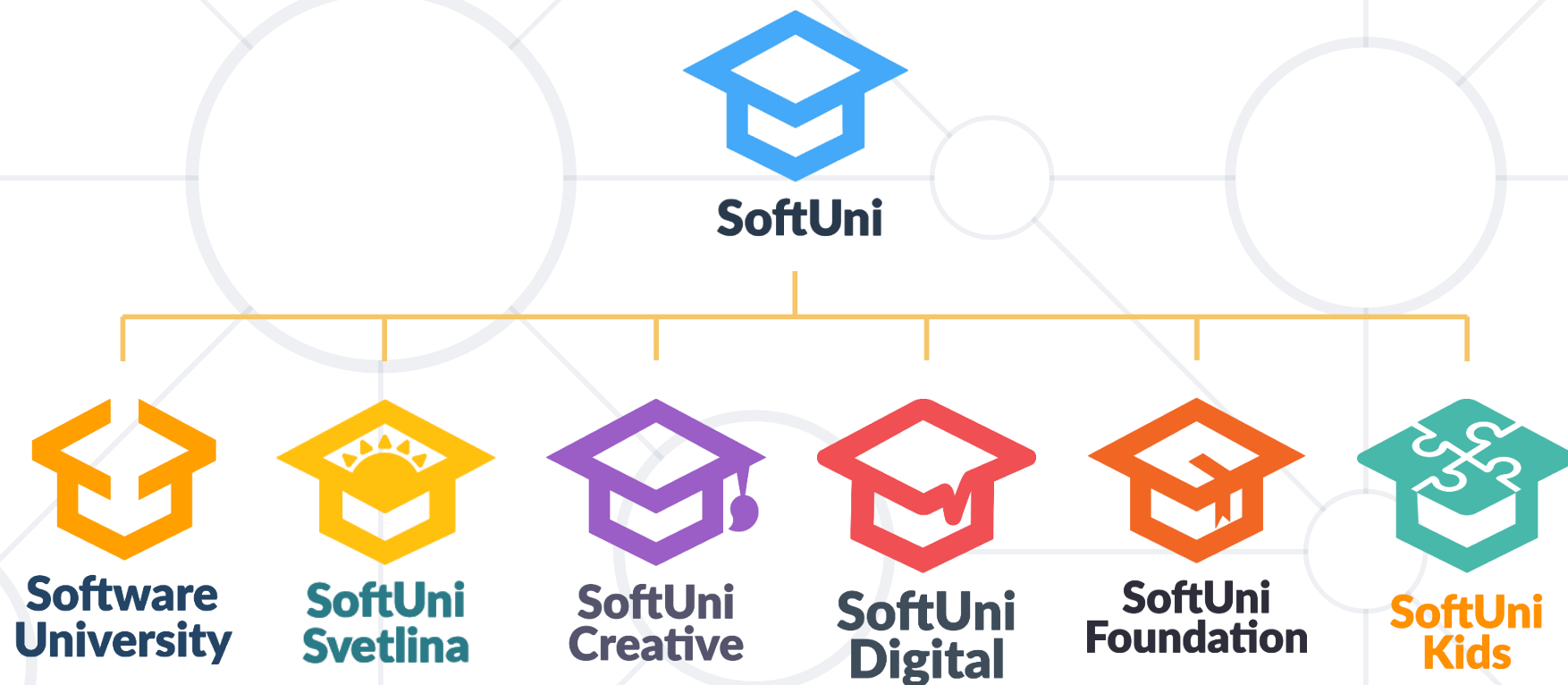 - Practice learned material
  - Ask questions if any

Evaluation Criteria

- **Mandatory**:

  - Final exam – 85%

  - Exercises & homework – 15%

- **Bonuses**:

  - Presence in class – 5% bonus

  - Forum activity – bonus up to 5%

Questions?

SoftUni

Software University   SoftUni Svetlina   SoftUni Creative   SoftUni Digital   SoftUni Foundation   SoftUni Kids

Trainings @ Software University (SoftUni)

- Software University – High-Quality Education and Employment Opportunities

  - softuni.bg

- Software University Foundation

  - http://softuni.foundation/

- Software University @ Facebook

  - facebook.com/SoftwareUniversity

- Software University Forums

  - forum.softuni.bg

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