Back-End Technologies Basics

Course Introduction



SoftUni Team Technical Trainers



You Have Questions?



sli.do

#QA-Auto-BackEnd

SoftUni Diamond Partners







Coca-Cola HBC Bulgaria









Решения за твоето утре













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Course Goals





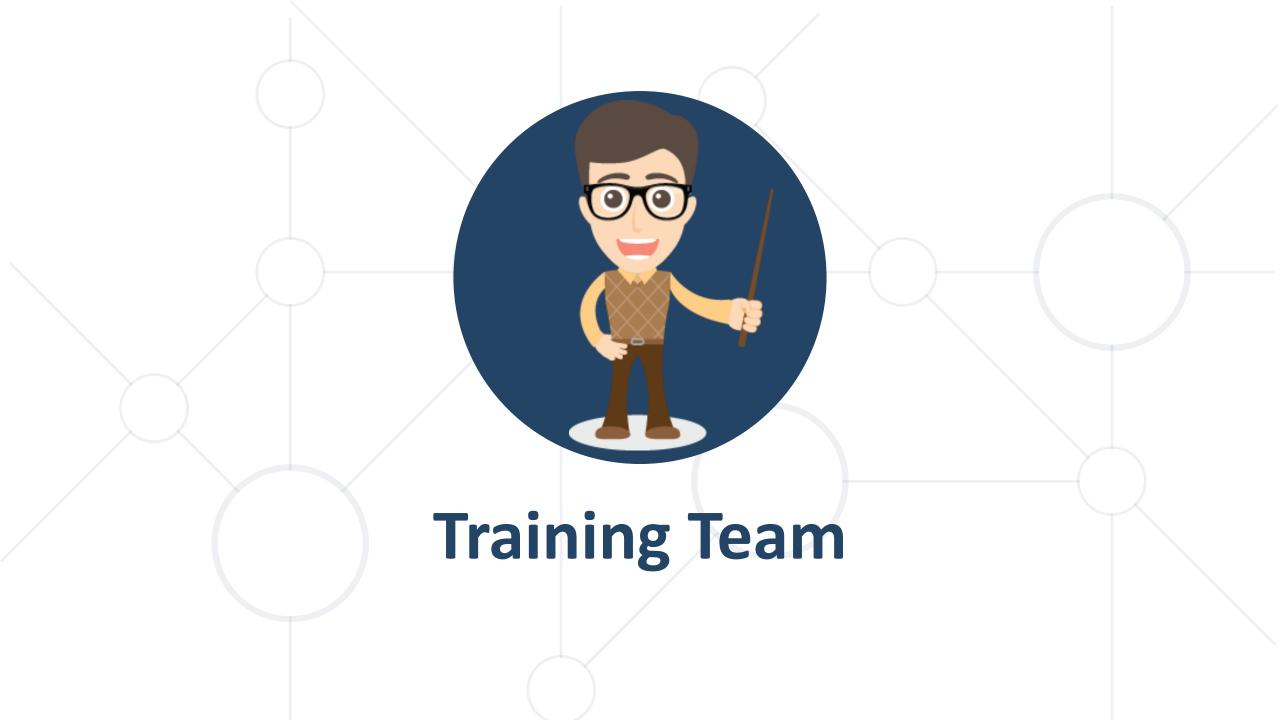
- Develop fundamental understanding of back-end technologies and JavaScript, enabling effective testing and problem-solving in QA
- Practice unit and integration testing techniques, and apply these skills in practical projects and exercises
- Gain knowledge in advanced QA practices, including API and database testing, and the use of container technologies

Course Scope



- Exploring and practicing with:
 - Different Data Formats: JSON, and YAML, XML
 - JavaScript
 - Unit Testing with JavaScript
 - Databases (NoSQL)
 - Integration Testing
 - Unit Testing with Mocking
 - RESTful API Backend Apps
 - Code Coverage
 - Mutation Testing
 - Containers, Docker and Docker Compose





Theodor Kurtev



- Senior Software Engineer at Moteefe
- 10+ years experience with MEAN and .NET ecosystems
- Expert in Node.js, React, and Amazon Web Services
- Values quality programming and all related to software quality improvements



Ayrola Hodzhov



- QA Automation Developer with over 6 years of experience
- Programming background since high school
- Education in Computer and
 Software Engineering from TU
- Professional experience with companies like Seeburger and Automate the Planet



Current Role: Senior QA Automation Developer at Nuvolo



Software Technologies Course Timeline





Back-End Technologies Basics 7 weeks * 3 times / week 12 credits

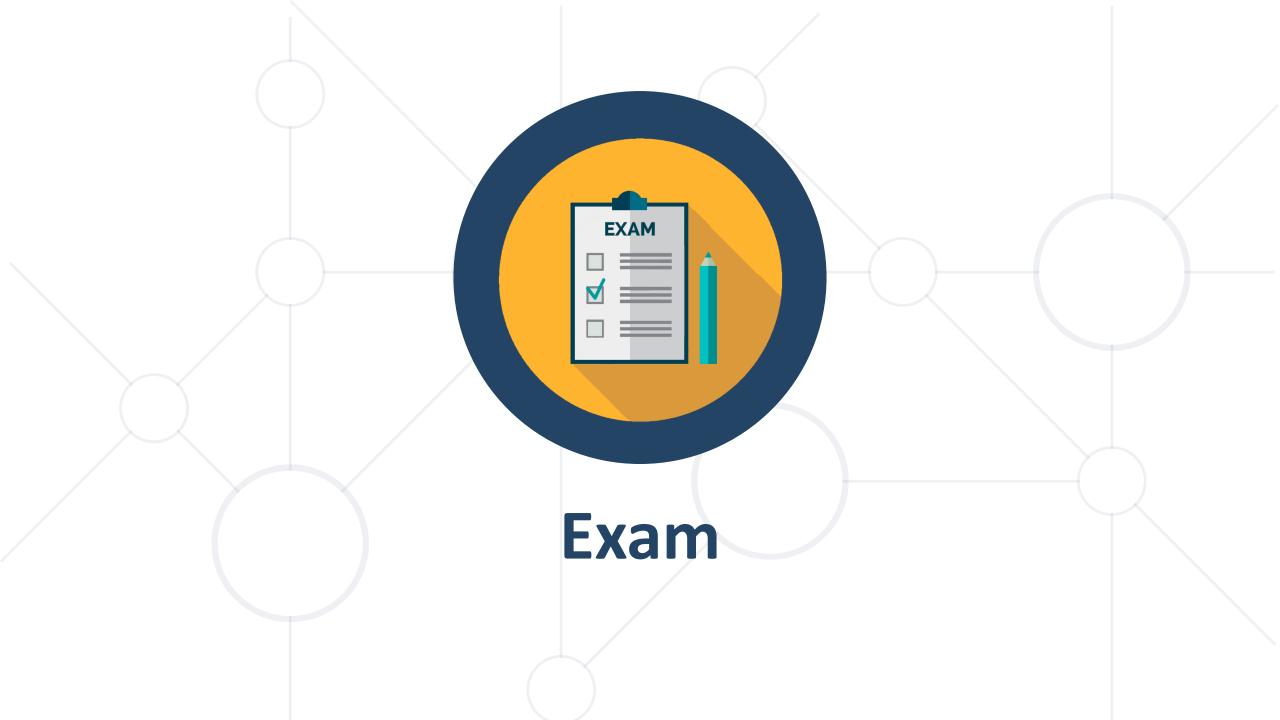
Start: 08-Jan-2024

Theoretical Exam: 25-Feb-2024

Practical Exam: 25-Feb-2024

Theoretical Exam Retake: 15-Apr-2024

Practical Exam Retake: 15-Apr-2024



Exams



- Both exams will be conducted in English
- Practical Exam
 - Practical Tasks for 6 hours
 - Judge system
- Theoretical Exam
 - 10 questions for 30 minutes
 - Multiple-choice with 1 correct answer
 - Automated quiz system



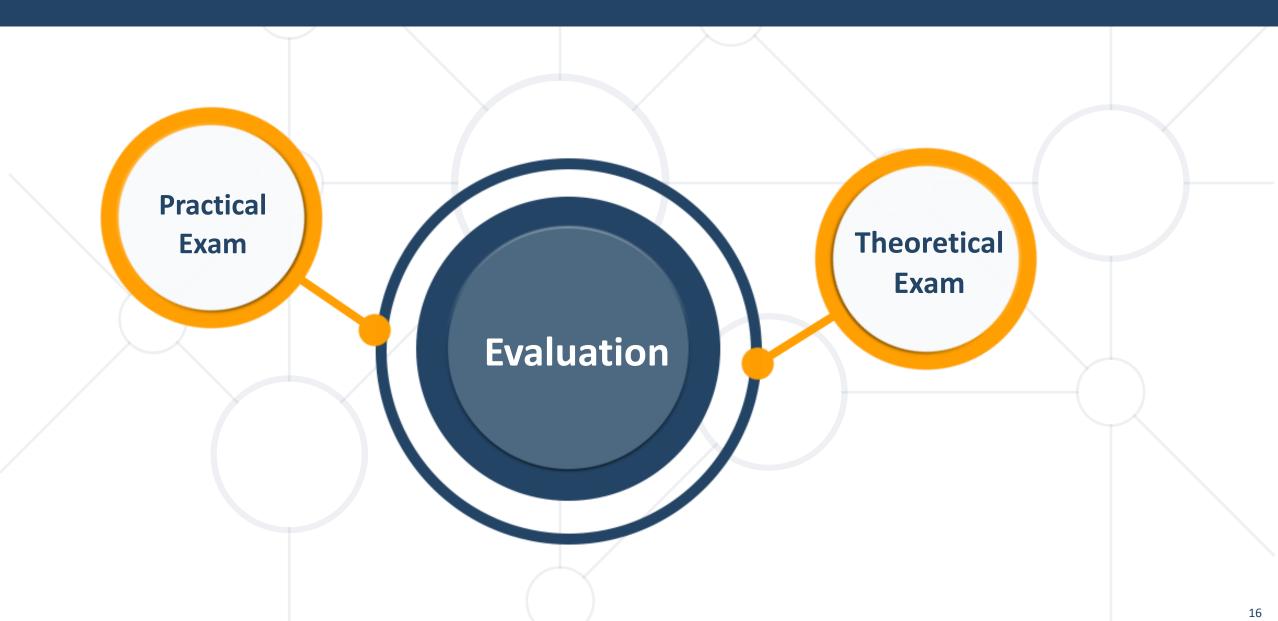
SoftUni Certificate





CPE Certificate





Learn to Search in Internet



- The course assignments require to search in Internet
 - This is an important part of the learning process
 - Some exercises intentionally have no hints



- Quality assurance includes everyday searching and learning
- No excuses, just learn to study!
- QAs learn new technologies, tools, languages every day!



Course Web Site, Forum and FB Group



Official web site:

https://softuni.bg/trainings/4398/back-end-technologi
es-basics-january-2024

Official discussion forums:

https://softuni.bg/forum

Official Facebook group:

https://www.facebook.com/groups/BackEndTestAutomation
January2024









Questions?

















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