C# Advanced

Course Introduction









https://softuni.bg

Have a Question?



sli.do

#csharp-advanced

SoftUni Diamond Partners







Coca-Cola HBC Bulgaria



















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C# Advanced Module Goals



- Working with linear data structures
- Getting familiar with streams and files
- Creating custom data structures
- Building class hierarchies
- Working with exceptions
- Applying principles and good practices for building quality software
- Testing application correctness



C# Advanced Course Goals





- Stacks, queues and multidimensional arrays
- Getting familiar with streams and files
- Creating custom data structures
 - List<T>, Stack<T> and LinkedList<T>
- Simple algorithms
 - Recursion, Sorting and Searching



Practical Programming Exam



- 3 practical problems for 4 hours
 - The first two problems may include:
 - Stacks and Queues
 - Multidimensional Arrays
 - Dictionaries
 - Defining Classes
- Automated judge system
 - http://judge.softuni.bg
- Solutions are evaluated for correctness only
 - Code quality is still not measured



Theoretical Exam





- Multiple choice with one correct answer
- English
- Automated quiz system
- Available during the practical exam and 30 minutes
 after it
 - You can submit your answers just one time
 - Advice: Start it when you finish the practical exam





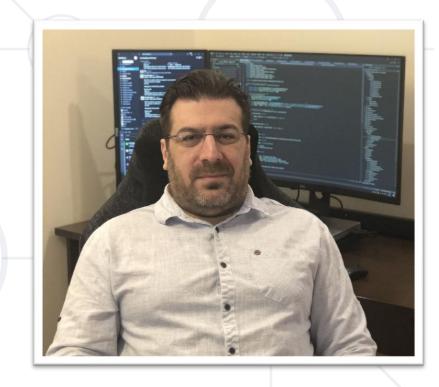
Your Trainers and Mentors

Georgi Inkov



- C# Web Developer
- 9+ years experience in .NET ecosystem
- Graduated the first class @ SoftUni
- Back-End Developer @ Excitel Technology
- Experienced with:

 .NET Framework, JavaScript, Azure, Unity,
 SEO and others

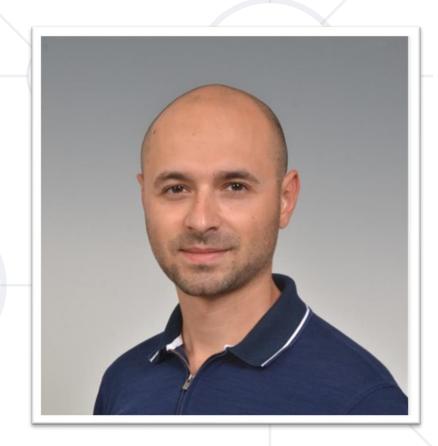


Stoyan Shopov



- Founder @ card games websites and apps
- Technical Trainer @ SoftUni
 - 6+ years experience
- Microsoft Certified Trainer 3+ years
- Experienced with:

 .NET Core, Unity, Azure, JavaScript,
 SEO and others





C# Advanced Course – Timeline

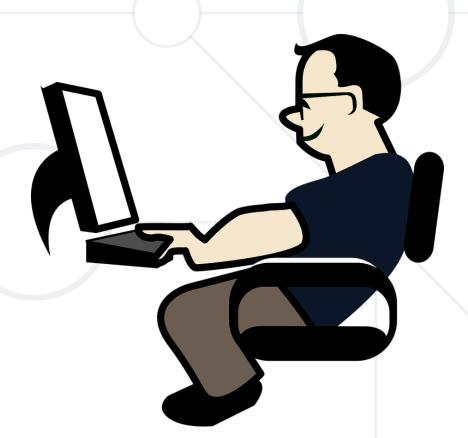




Homework Assignments & Exercises



- Your homework is mainly work in class
 - Lesson days → slides + live demos + exercises
 - Exercise days → only exercises
- How to submit your homework?
 - Submitted in the judge system
- Do your homework when it's due
 - Assignments pile up quickly



SoftUni Certificate





CPE Certificate





Course Web Site, Forum and FB Group



Official web site:

https://softuni.bg/trainings/4520/csharp-advanced-may-2024



Official Facebook group:

https://www.facebook.com/groups/CsharpAdvancedMay2024

Community Facebook group:

https://www.facebook.com/groups/SoftUniCSharpCommunity/



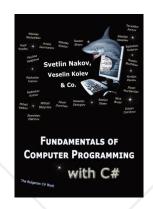
Learn to Search in Internet



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

The Free C# Fundamentals Textbook







- The official textbook for the course
 - "Fundamentals of Computer Programming with C#",
 by Svetlin Nakov & Co., 2018, ISBN 9786190007784
 - English and Bulgarian versions (as PDF, ePub, ...)
 - Freely downloadable from:
 www.introprogramming.info
 - The C# Programming courses @ SoftUni.bg
 partially follow the book



Questions?



















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 Profession and Job for Software Developers
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