




In partnership with:  Microsoft

Reactor

.NET Conf 2022

Student Zone



Dr. Diego Colombo
Principal Software Engineer .NET Interactive

Next Steps: Getting Top Marks for your next assignment

Ace your next assignment with .NET and test driven development tips and techniques

Next Steps: Getting Top Marks for your next assignment

How to get it done? More important is the question :

“what does DONE mean?”

Done means that the task we completed **satisfies the requirements and specifications**, does not mean it is perfect, it means it performs exactly as expected.

When expectations are agreed upon, they can be called **Acceptance criteria**.

What if we apply this concept while tackling the assignment we have? Does this mean we checked all the boxes?

Next Steps: Getting Top Marks for your next assignment

This is called

- **T**est
- **D**riven
- **D**evelopment

TDD for you, my friends.

What is all about?

Next Steps: Getting Top Marks for your next assignment

You can read more here : https://aka.ms/visualstudio_dev_intro
but let's understand the core, let's understand **why** we test.

Usually, you will do it because

- You want to be sure that you are **building the right thing**
- You want to be sure it **behaves correctly**
- You want your **solution** to be **approved**
- You want to be able to **improve** if you have time **without breaking anything**

Next Steps: Getting Top Marks for your next assignment

Creation is a cycle of **tests** definition and **refactoring**. Guess what ... Visual Studio and .NET can make it a lot easier.

C# 's compiler Roslyn integrates with Visual Studio to give you lots of help and enabling refactoring gestures!

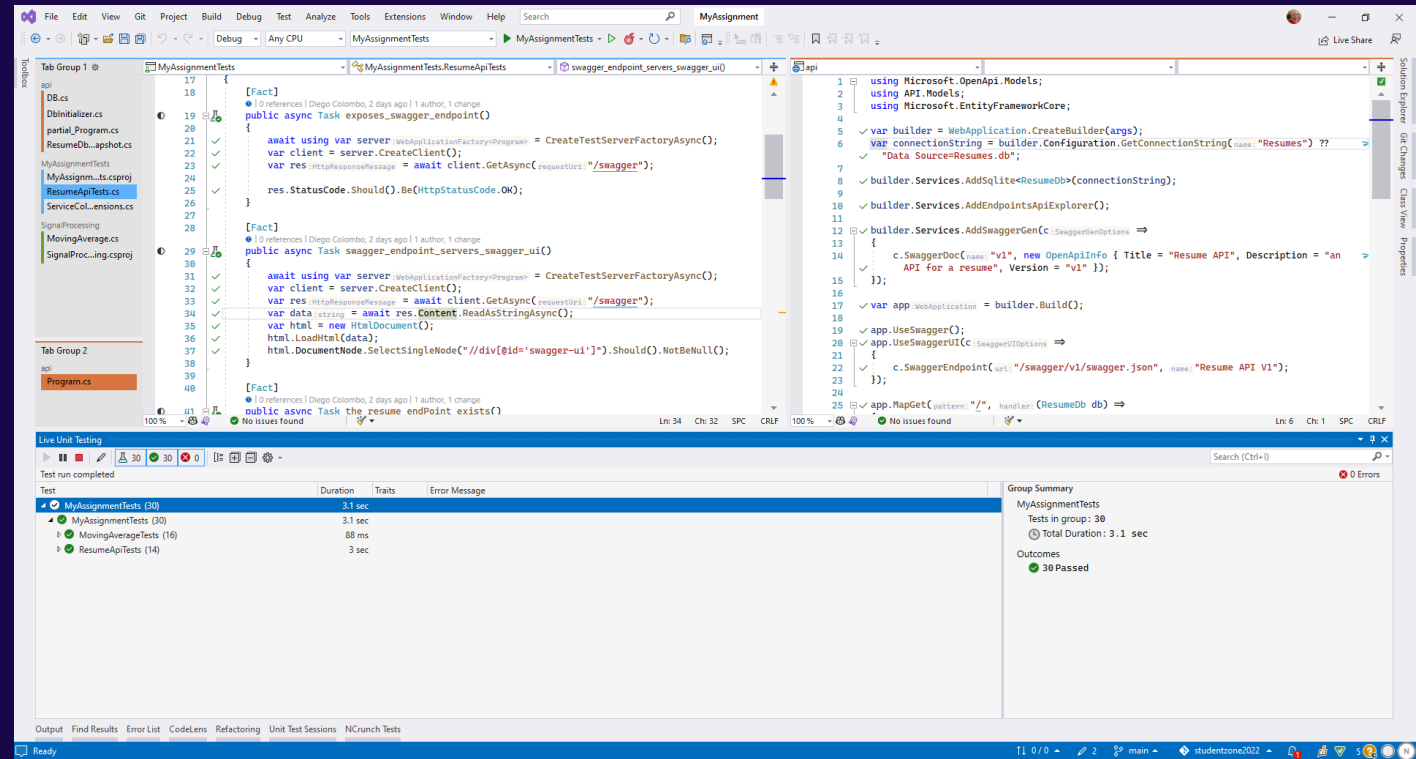
Light bulbus and quick fixes can help you generating classes, methods, update signatures and lots more.

And then there is Live Unit Testing (LUT), this tool keeps an eye on code changes and automatically executes the impacted tests giving us feedback immediately about the results!

Let's use those incredible features to implement our assignment with 100% pass guarantee.
MS is not liable and doesn't guarantee top marks.

Show Time

Let's head over to
Visual Studio



Student Resources

<http://aka.ms/learnstudent>

Cloud Skills Challenge

<https://aka.ms/dotnetstudentcsc>

GitHub Repo

<https://github.com/microsoft/dotnetconf-studentzone>

Introduction to testing

https://aka.ms/visualstudio_dev_intro