

CppUnitTest

Fundamentals of Test Automation

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Microsoft Visual Studio 2022

- Microsoft Framework (CppUnitTest);
- CTest (CMake);
- Google Test;
- Boost.Test.

Positive and Negative Aspect

Positive:

- Integração com o Microsoft Visual Studio 2022;
- Ease of project creation.

Negative:

- Limited information.

Tutorial

The tutorial was developed to create tests cases for basic calculator functions.

Steps:

- Step 1 - Install Microsoft Visual Studio 2022;
- Step 2 - Create a new project;
- Step 3 - Create the file that will contain the functions that we will be tests;
- Step 4 - Create the project that will be responsible for containing the test cases;
- Step 5 - Writing the test cases;
- Step 6 - Compile the files and test cases;

Methods used for this tutorial

Assert::IsTrue()	Checks if an expression is true.
Assert::IsFalse()	Checks if an expression is false.
Assert::AreEqual()	Checks if two values are equal.
Assert::Fail()	Fails the current test.

Support links

Link for the video: https://drive.google.com/file/d/1_sRAHy4WWRPJnI_ZNNdhKaNn-raE9j-T/view?usp=sharing

Link for GitHub: https://github.com/leonardomello27/Tutorial_CppUnitTest/tree/main

OBRIGADO!