Unit Testing Class Library Projects

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Overview

Why unit testing class libraries is easier

Create unit test for Calculator class

Testing multi-targeted class library projects

Create unit tests for .NET standard targets

How to access internal code when testing

Why Unit Testing Class Libraries is Easier

Test in isolation from applications

Fewer/no app model dependencies in test project

Test once and use anywhere with confidence

Psychologically smaller problem set to focus on for developers

Separate development team within organization can own the tests (and associated class library) without needing access to entire organization's codebase/repo

Integration testing at the app level is usually still a good idea

Summary

Why unit testing class libraries is easier
- Smaller problem set to focus on

Created unit tests for Globomantics.Math project
- #if

Created unit tests for .NET standard targets
- netcoreapp3.1

How to access internal code when testing
- <InternalsVisibleTo>

Up Next:
Versioning, Packaging, and Distributing Class Libraries