

Professional C# 2021

Chapter 23

Unit Testing



Overview

- MSTest
 - NUnit
 - xUnit
-
- Small tests
 - Just test the functionality of a method
 - Don't test dependencies

Build Tests



Arrange



Act



Assert

Code Coverage

- Coverlet collector
- `coverlet.console` tool
- `dotnet-reportgenerator-globaltool`
- `dotnet test`

Mocking Library

- Replace dependencies within unit tests
- Moq Library

Summary

- Unit Tests
- Asserts
- Code coverage
- Mocking Library