

# Writing Automated Tests for Exception Throwing Code

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# Overview



Testing exceptions with MSTest V2

Testing exceptions with NUnit

Testing exceptions with xUnit.net

Resources and further learning



# Summary



## Testing exceptions with MSTestV2

- Assert.ThrowsException

## Testing exceptions with NUnit

- Assert.That(... , Throws.TypeOf<...>());
- Assert.That(... , Throws.InstanceOf<...>());

## Testing exceptions with xUnit.net

- Assert.Throws<...>(...)
- Assert.ThrowsAny<...>(...)

# Resources and Further Learning

## Pluralsight courses:

- “Better User Experiences and More Robust Applications with Polly”
- “Automated Testing with MSTest V2”
- “Testing .NET Core Code with xUnit.net: Getting Started”
- “Introduction to .NET Testing with NUnit”

## Documentation

- C# programming guide to exceptions and exception handling (<http://bit.ly/excsguide>)
- Framework design guidelines for exceptions (<http://bit.ly/exframe>)

