

Unit Testing

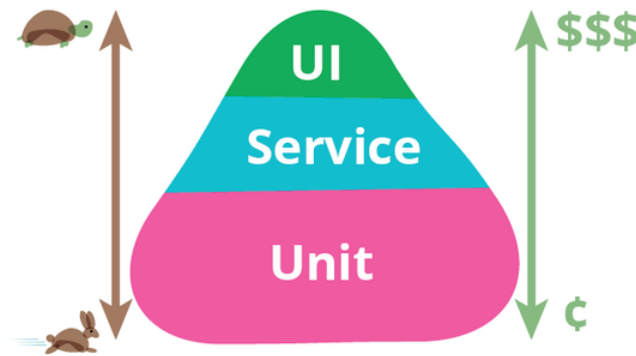
Function to test another function

Software Development Life Cycle Testing

- Requirement Gathering Analysis
- Design and planning => SRS document
- Implementation
- Testing
- Deployment
- Maintenance

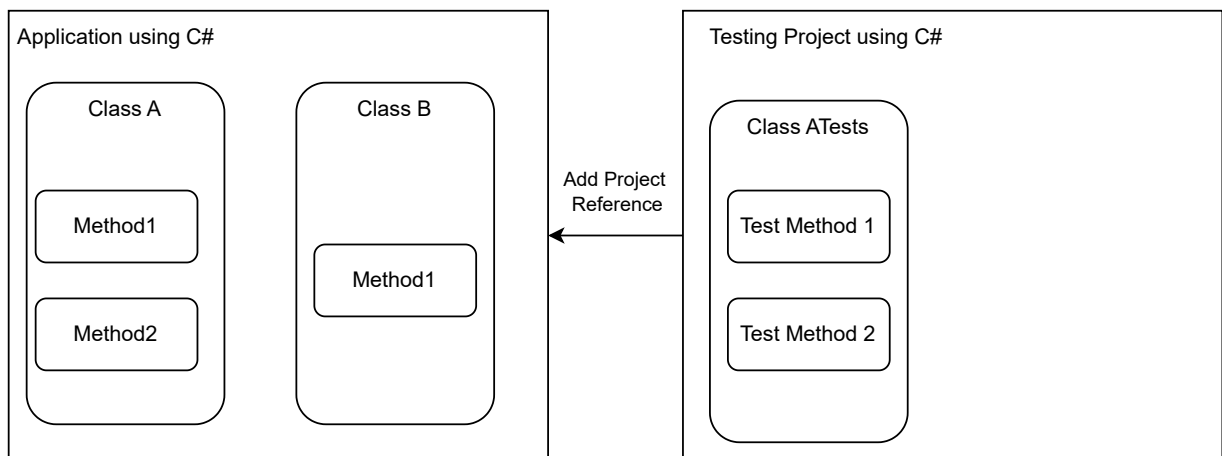
- Unit Testing => Developers => White Box testing
- Integration Testing => Testers => Black box testing
- Acceptance Test => Customer

Test Pyramid



Testing Project Architecture

C# is a full object oriented programming Language



Unit Testing Frameworks

- MS Test
- NUnit
- Xunit <<

Naming Conventional

- Class => [className]Tests
- Method => [MethodName]_[TestCase]_[Expected output]

AAA Pattern

- Arrange => prepare objects and data for test
- Act => Execution for method under the test case
- Assert => check if the actual output is the expected

