

AN OVERVIEW OF AGILE TESTING

A Quick Introduction

- Co-Author of “Becoming Agile”
- Executive Vice President at Santeon
- Over 10 years of dev and delivery experience
- Co-founder of International Consortium for Agile
- Masters in Requirements Engineering
- Ph.D in Agile Adoption from Virginia Tech
- Agile Educator, Coach and Consultant
- Frequent Presenter at Conferences
- Program Chair of Agile 2009



Testing

Business Facing

Are we building the right product?

Are we building the product right?

Technology Facing

Testing

Business Facing

Drives Development

Acceptance Testing
Low-fi prototypes

Exploratory Testing
UI and Usability Testing

Critique product

Unit Testing

Performance Testing

Technology Facing

Automated Unit Tests

```
public class Calculator
{
    public int Add(int o1, int o2)
    {
        return o1 + o2;
    }

    public int Subtract(int o1, int o2)
    {
        return o1 - o2;
    }
}
```

Automated Unit Tests

```
[TestFixture]
public class CalculatorTest
{
    readonly Calculator calculator = new Calculator();
    [Test]
    public void AddsAnyTwoIntegers()
    {
        Assert.AreEqual(3, calculator.Add(1, 2));
    }
    [Test]
    public void SubtractsAnyTwoIntegers()
    {
        Assert.AreEqual(1, calculator.Subtract(2, 1));
    }
}
```

Mike Cohn's Testing Pyramid

