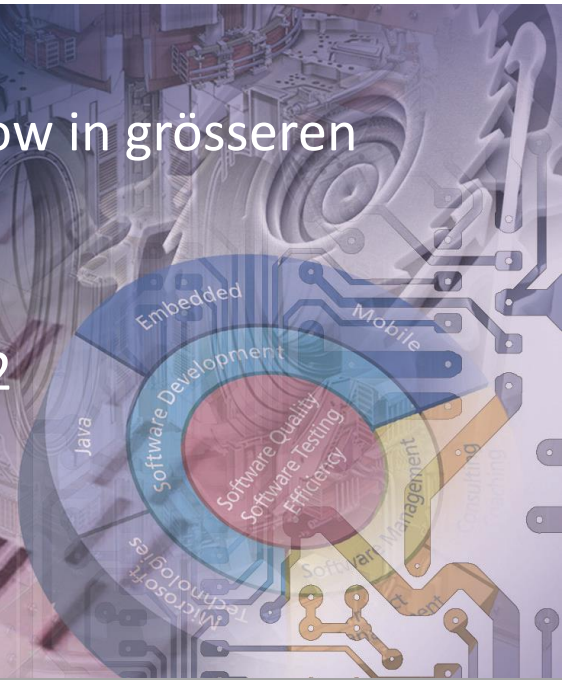


# BDD-Tests in der Praxis

... oder der Einsatz von SpecFlow in grösseren Projekten

. NET Usergroup, 18. Dez. 2012

by Andreas Heini



# Gherkin

\_101\_SimpleAddition.feature X

**Feature:** Addition

*As a math idiot*

*I want to be told the sum of two numbers*

*So that I can avoid silly mistakes*

[-] **Scenario:** Add two numbers

Given I have entered 50 into the calculator

And I have entered 70 into the calculator

When I press add

Then I can see the result 120 on the screen

[-] **Scenario:** Add two big numbers

Given I have entered 15000 into the calculator

# Lesbar und mächtig

\_855\_AddNewBooking.feature ✕

Feature: 24\_855 Add new booking

*As an operator*

*I want to enter booking details I got from a customer  
so that it can be handled by the system*

Scenario: Add new booking

Given I selected the function 'New booking'

When I enter the following booking details

First name	Middle name	Last name	Phone	From
John		Miller	123 234 5678	17/11

And I commit the entered data

Then I can see the new booking with the following details

First name	Middle name	Last name	Phone	From
John		Miller	123 234 5678	17/11

# Implementation

\_855\_AddNewBooking.feature

AddNewBookingSteps.cs

AcceptanceTest.FeatureSteps.AddNewBookingSteps

WhenIHavePr

```
[When(@"I enter the following booking details")]
public void WhenIEnterTheFollowingBookingDetails(Table table)
{
    Assert.AreEqual(1, table.RowCount, "Only one entry allowed!");

    var tableRow = table.Rows[0];
    this.bookingViewModel.FirstName = tableRow["First name"];
    this.bookingViewModel.MiddleName = tableRow["Middle name"];
    this.bookingViewModel.LastName = tableRow["Last name"];
    this.bookingViewModel.Phone = tableRow["Phone"];
    this.bookingViewModel.FromDate = tableRow["From date"];
    this.bookingViewModel.ToDate = tableRow["To date"];
}
```

```
[When(@"I have pressed the 'Ok' button")]
```

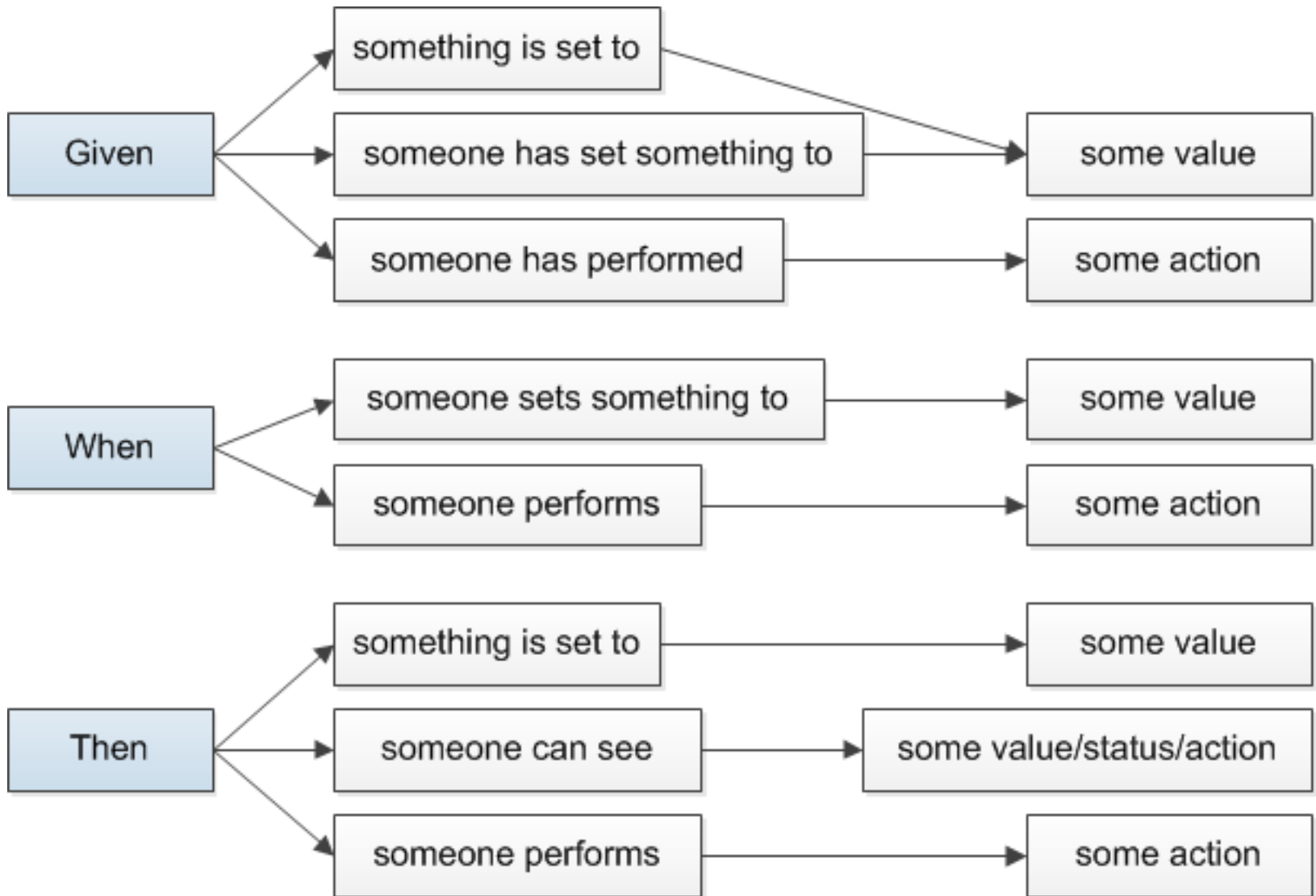
```
public void WhenIHavePressedTheOkButton()
```

# Herausforderungen

- Überblick behalten
- Ändern der Step-Formulierungen



# Satzschablonen





# Organisation der Feature-Tests

- ▷ HotelBooker
- ◄ HotelBookerAcceptanceTest
  - ▷ Properties
  - ▷ References
  - ◄ 1\_Backlog
    - ▷ 892\_ChangeBookingTime.feature
    - ▷ 913\_ChangeNumberOfGuests.feature
  - ◄ 2\_CurrentSprint
    - ▷ \_855\_AddNewBooking.feature
    - ▷ \_859\_ChangeHotel.feature
    - ▷ \_861\_AddNumberOfChildren.feature
    - ▷ \_864\_AddBabyCotToExtrasList.feature
  - ▷ 3\_PreviousSprint
  - ◄ 4\_Features
    - ▷ Booking
    - ▷ Customer
    - ▷ Hotel
  - ◄ FeatureSteps
    - ▷ Booking
    - ▷ Customer




# Vorteile








# Vorteile

## Summary

Features	Success rate	Scenarios	Success	Failed	Pending	Ignored
5 features	50% 	10	5	0	5	0

## Feature Summary

Feature	Success rate	Scenarios	Success	Failed	Pending	Ignored
<a href="#">copy recipes</a>	0% 	2	0	0	2	0
<a href="#">Enter new recipes</a>	0% 	1	0	0	1	0
<a href="#">ingredients amount per serving calculation</a>	100% 	2	2	0	0	0
<a href="#">outlined ingredients amount per serving calculation</a>	100% 	3	3	0	0	0
<a href="#">store my recipes</a>	0% 	2	0	0	2	0

## Feature Execution Details

### Feature: copy recipes

Scenario	Status	Time(s)
Copy a recipe <a href="#">[show]</a>	pending	0.129
Copy a recipe without ingredients <a href="#">[show]</a>	pending	0.007

### Feature: Enter new recipes

Scenario	Status	Time(s)
Adding a new Recipe <a href="#">[show]</a>	pending	0.008

# Fragen?