

Manual BDDfy

Prerequisites

- Visual studio
- .NET framework (4.0 or higher)

Installation

1. Add a unit test-project to your solution
2. Go to Tools > Nuget Package Manager > Manage Nuget Packages for Solution
3. Install the Teststack.BDDfy nugget

Process

1. Add a unit test file to the solution.
2. Write the specifications for the feature.
 1. Define the feature(story) beneath the testclass decorator

```
[Story(  
    AsA = "user",  
    IWant = "to register amnesia data of a person",  
    SoThat = "the BMI of a person can be calculated")]
```

2. Define the scenarios by adding methods to the file decorating them with "TestMethod"¹

```
[TestMethod]  
public void AMeasurementWithNewAnamnesisDataCanBeAdded ()  
{  
  
}  

```

3. Define for each scenario the Given-When-Then's in camelcase. The fluent API is preferred, because the scenarios are more condense and easier to read(in code). And the steps are more reusable(much more DRY than reflective API).

```
[TestMethod]  
public void AMeasurementWithNewAnamnesisDataCanBeAdded ()  
{  
    this.Given(_ => _.GivenAnExistingPerson())  
        .And("And I want to register new anamnesis data for this person")  
        .When(_ => _.IProvideAsLength(180))  
        .And(_ => _.IProvideAsWeight(60000))  
        .And(_ => _.IProvideAsDate("12-12-2012"))  
        .And(_ => _.IChooseToRegister())  
        .Then(_ => _.ANewMeasurementIsAddedToTheAnamnesisHistory  
                WithTheDataProvided())  
        .BDDfy();  
}
```

- Remember to always place .BDDfy() after the scenario

3. Create the method stubs
 1. Right click on the method
 2. Click generate method stub

¹ The used decoration may vary depending on the used testframework

4. Implement the steps

```
private void IChooseToRegister()
{
    try
    {
        _person.addMeasurement(new BMI.Containers.Measurement(_length,
                                                                _weight, _date));
    }
    catch (Exception ex)
    {
        _ex = ex;
    }
}
```

5. Implement the steps.

6. Run the scenario's(in suite or singular)

7. The result can be seen in the test runner window

- You can find an html report under the bin/debug directory of your project

Extra info

<http://www.teststack.net/v1.0/blog/new-docs-site/>

<http://www.mehdi-khalili.com/bddfy-v4>

<http://bddfy.teststack.net/>