Michel Grootjans Pascal Mestdach

Michel Grootjans

- Enterprise Architect
- Linkedin http://www.linkedin.com/in/michelgrootjans
- Blog: http://geekswithblogs.net/alternativedotnet/
- michel.grootjans@ilean.be



Pascal Mestdach

- Solution Architect
- Linkedin_® http://www.linkedin.com/in/pascalmestdach
- Blog: http://pascalmestdach.blogspot.com/
- pascal.mestdach@infohos.be





Download material:

- On google code: http://code.google.com/p/agileacceptancetesting/
- Checkout in svn: http://agileacceptancetesting.googlecode.com/svn/trunk

- Introduction & Specification Workshop (25')
- Setup Fitnesse (10')
- Iteration 1 (25')
- Iteration 2 (20')
- What's in it for you? (5')
- Retrospective (5')



A wonderful opportunity

Mr W. Fall, CEO of BDUF Development:

"Our developers are working 14 hours a day to get our latest project delivered on time."

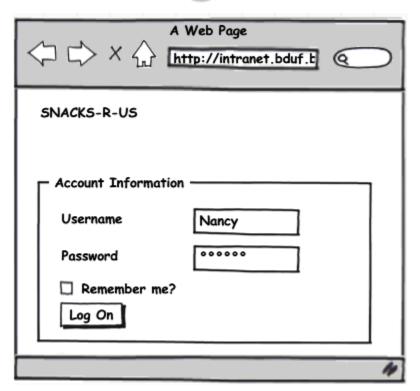
"We need an application where they can order pizza's, beverages, snacks,... as their evening dinner! So they can work longer!"

An agile Approach

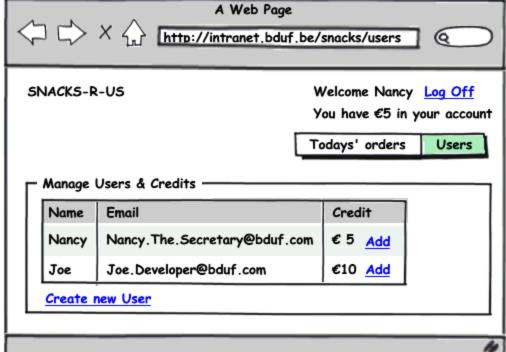
We agree with Mr W. Fall to make a very basic implementation and put it into production as soon as possible.

▶ A little sketch ☺

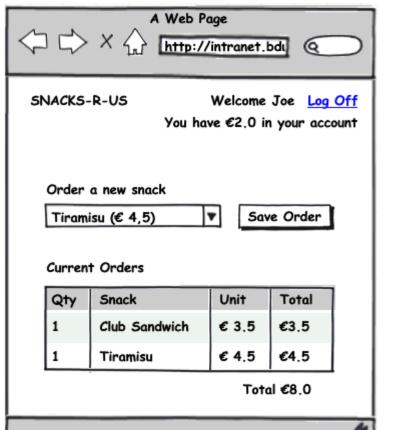
Manage Users & Credits



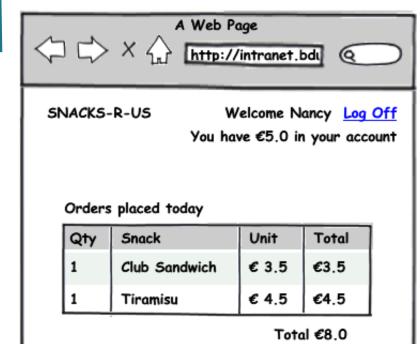




Order a snack & show orders







An agile Approach

- We define a product backlog with estimated user stories for planning purposes.
- We prioritize the product backlog together with Mr W. Fall.
- An agreement is made to develop following user stories in the first iteration of 2 weeks:

As a developer I want to order a snack because I need more energy to write code in the evening

Backlog Nr

3



Estimation

8

Business value

800

Check DoD

How to demo:

Order snacks as 'Joe' until he runs out of credits. Then get the list of ordered snacks.

Acceptance criteria:

Developers who have enough credits can order a snack. The price of the snack is deducted from their credit. Credits can't be negative.

As a secretary I want to manage the credits of our developers because they need credits to order snacks

Backlog Nr

•

12



Estimation

3

Business value

400

Check DoD

How to demo:

Log in as 'Nancy', and add € 10 to Joe's account.

Acceptance criteria:

Developers can't manage their own credit. The saldo should always be correct when adding, deducting credits.

Specification Workshop (10')

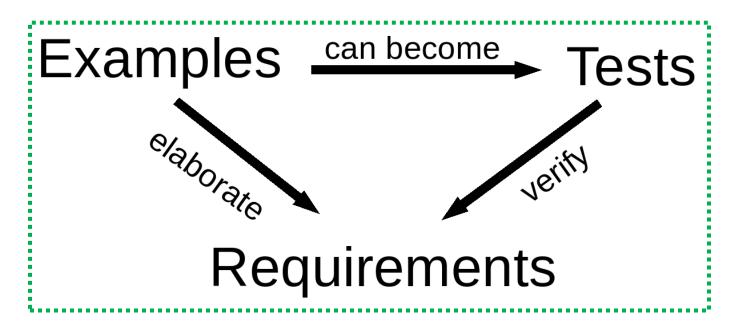
- Goal: Nail down the scope of the user stories with real world examples, which we all agree on.
- Workshop Outputs:
 - Enough realistic examples to start working
 - Shared understanding of the domain
- Some tips:
 - Involve the whole team
 - Don't over complicate things
 - Also identify edge cases and negative paths
 - Stay focused on the user story
 - Describe what, not how
 - Communicate intent, explain why

Did you notice?

- Realistic examples make us think harder
- Customers or functional analysts typically think about the happy path
- Developers focus on edge cases and alternative scenarios
- Testers want to break / cheat the system
- So, Involve the whole team!

Executable specifications

 Scope of the user story is nailed down with real world examples



Welcome FitNesse!

- Introduction & Specification Workshop (25')
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FitNesse Setup (1/3) Getting the sources



- Latest version of FitNesse
 - http://fitnesse.org/FitNesseDevelopment.DownLoad
 - Unzip into a directory of your choice (f.e. d:\Fitnesse)
- .Net 2.0 testrunner
 - http://sourceforge.net/projects/fitnessedotnet/
 - Unzip to d:\Fitnesse\Dotnet2
- Java Runtime Environment
 - http://developers.sun.com/downloads/top.jsp



FitNesse Setup (2/3) Custmize run.bat / stop.bat



- Customize port FitNesse is running on
- Location of java.exe
- Optional: disable versioning system
- run.bat:
 - jre\bin\java -jar fitnesse.jar %1 %2 %3 %4 %5 -p 8888 -e 0
- stop.bat:
 - jre\bin\java -cp fitnesse.jar fitnesse.Shutdown %1 %2 %3 %4 %5 -p 8888



FitNesse Setup (3/3) Custmize Root page



- http://localhost:888/?edit
- !path classes !path fitnesse.jar

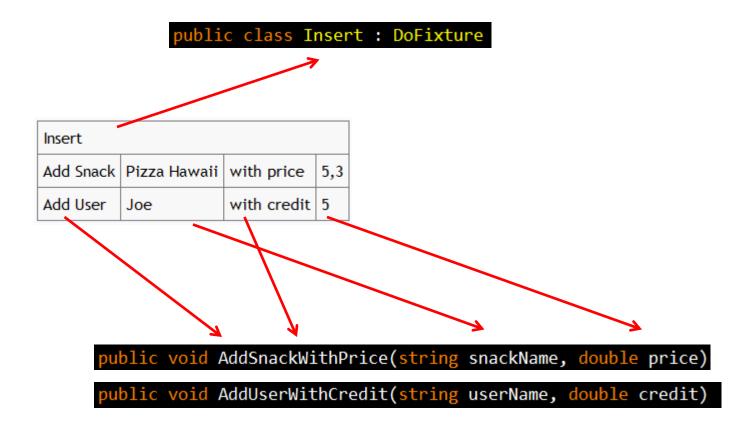
!path dotnet2*.dll !define COMMAND_PATTERN {%m %p} !define TEST_RUNNER {dotnet2\FitServer.exe} !define PATH_SEPARATOR {;}

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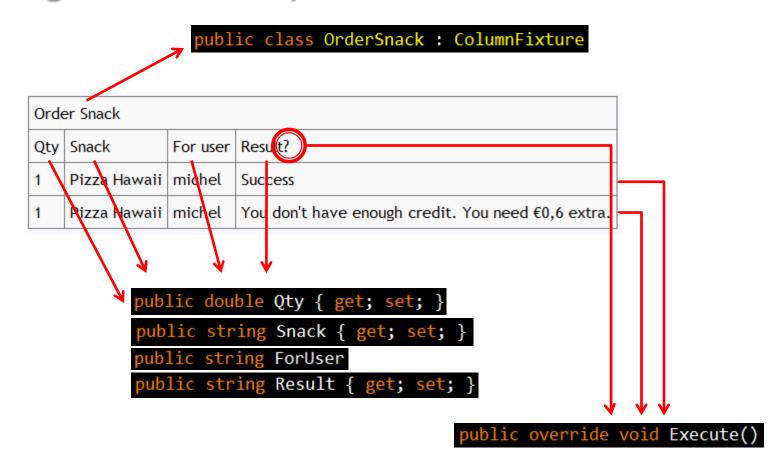
DoFixture:

Your own test language



ColumnFixture:

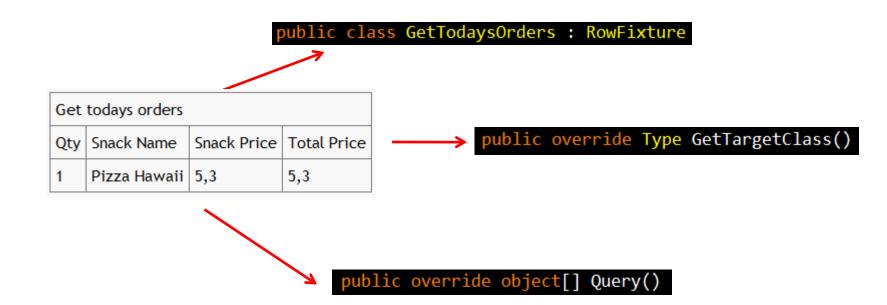
Testing values Easily



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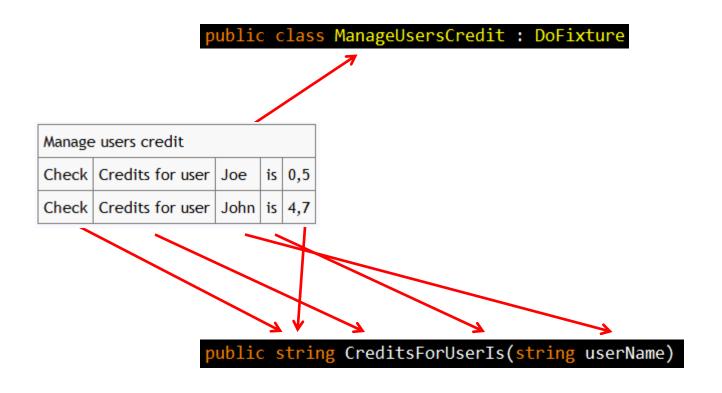


RowFixture: Batch comparisons



DoFixture:

Your own test language



Organising FitNesse:

- 3 Suites in Fitnesse
 - Prepared Test Suite tests for next iterations
 - Work In Progress doesn't break the build
 - Acceptance Suite breaks the build!

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What's in it for you? ScrumMaster / Product Owner

- Developers will actually read the specifications
- They will understand the stuff correctly
- They will not skip parts of the spec
- You can track the development progress
- Save time on acceptance/smoke testing

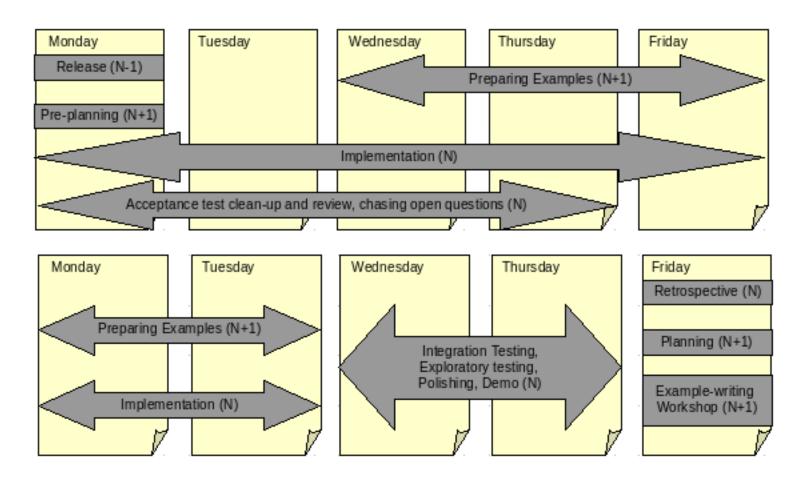
What's in it for you? Developer

- Requirements will be unambiguous and without functional gaps
- Business analysts will really understand those special cases you mentioned
- You will have automated tests to guide development
- It will be easier to take-over and hand-over code

What's in it for you? Tester / Business Analist

- Finally stop those guys from making the same mistakes over and over
- Avoid doing the same stuff all the time
- Build quality in from the start
- Verify business rules by a click on a button

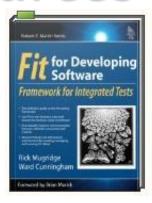
Iteration Flow (just a suggestion)

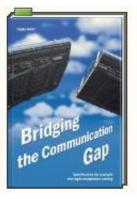


http://gojko.net/2008/09/17/fitting-agile-acceptance-testing-into-the-development-process/

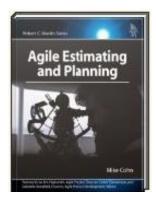
Resources

Books











- On the web
 - http://fitnesse.org/
 - http://sourceforge.net/projects/fitlibrary/
 - http://gojko.net/
 - http://codebetter.com/blogs/ian_cooper/archive/2008/10/ /13/fitnesse-and-the-three-way.aspx
- Yahoo Group
 - http://tech.groups.yahoo.com/group/fitnesse/

Closing

