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### Download material:

- On google code: <a href="http://code.google.com/p/agileacceptancetesting/">http://code.google.com/p/agileacceptancetesting/</a>
- Checkout in svn: <a href="http://agileacceptancetesting.googlecode.com/svn/trunk">http://agileacceptancetesting.googlecode.com/svn/trunk</a>

- Introduction (10')
- Iteration 1 (35')
- Iteration 2 (35')
- 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."

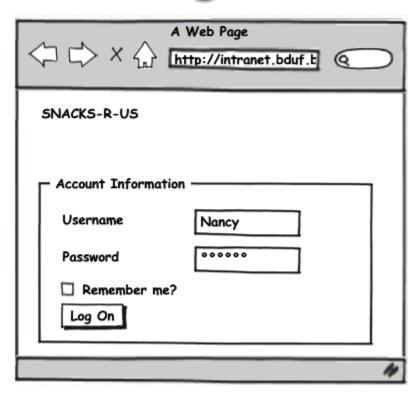
"We need an application where they can order pizza's, beverages, snacks,... as their evening dinner! So they can work longer!"

# An agile Approach

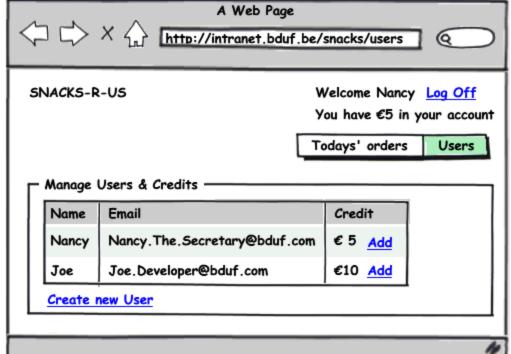
We agree with Mr W. Fall to make a very basic implementation and put it into production as soon as possible.

▶ A little sketch ☺

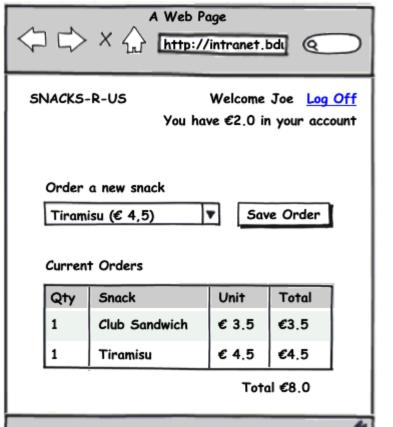
# Manage Users & Credits



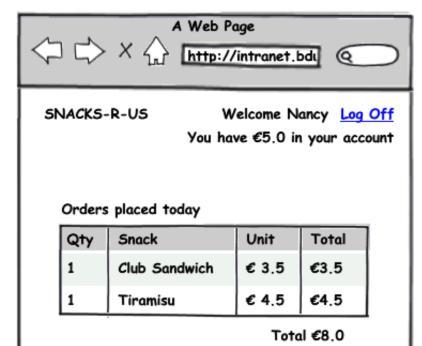




## Order a snack & show orders







# 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 the 2 user stories, which provide the highest business value, in 2 iterations.

- Introduction (10')
- Iteration 1 (35')
- Iteration 2 (35')
- What's in it for you? (5')
- Retrospective (5')



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:

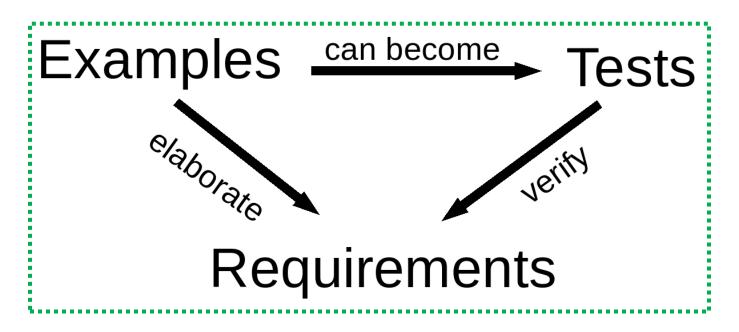
Developers who have enough credits can order a snack. The price of the snack is deducted from their credit. Credits can't be negative.

# Specification Workshop (5')

- 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

# Executable specifications

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



# Implement iteration 1 tests...



- Introduction (10')
- Iteration 1 (35')
- Iteration 2 (35')
- What's in it for you? (5')
- Retrospective (5')



Backlog Nr

12



**Estimation** 

3

**Business value** 

400

**Check DoD** 

#### How to demo:

Nancy adds €10 to Joe's account.

#### **Acceptance criteria:**

Credits can't be negative. The saldo should always be correct when adding, deducting credits.

# Specification Workshop (5')

- 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

# Implement iteration 2 tests...



- Introduction (10')
- Iteration 1 (35')
- Iteration 2 (35')
- What's in it for you? (5')
- Retrospective (5')



# 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

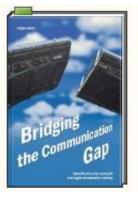
# Involve different roles for the best results

- 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

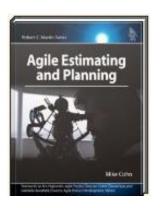
### Resources

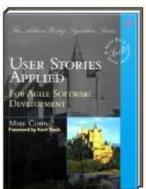
#### Books











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

#### Yahoo Group

http://tech.groups.yahoo.com/group/fitnesse/

