

# cuke4duke

follow along at

<http://github.com/darrinholst/cijug-cuke4duke-demo>

# History

# TDD -> BDD

- Behavior-driven development
- <http://dannorth.net/introducing-bdd>
- Features, Scenarios, Given, When, Then

# BDD -> j/rbehave

- <http://dannorth.net/2007/06/introducing-rbehave>
- rbehave is a framework for defining and executing application requirements.

# BDD -> j/rbehave

Story: transfer to cash account

As a savings account holder I want to transfer money from my savings account so that I can get cash easily from an ATM

Scenario: savings account is in credit

Given my savings account balance is \$100

And my cash account balance is \$10

When I transfer \$20

Then my savings account balance should be \$80

And my cash account balance should be \$30

# rbehave -> rspec story runner

- rbehave + rspec = story runner?

# story runner -> cucumber

- @aslak\_hellesoy
- Aslak Hellesøy wrote Cucumber to address the usability problems of the RSpec Story Runner
- <http://cukes.info>

# Aslak Hellesøy





# Cucumber

- The meta-language that Cucumber uses is based on several conversations and blog posts by Dan North, Chris Matts, Liz Keogh, David Chelimsky and dozens of people on the RSpec mailing list.

# Chris Matts



# Cucumber

- Describe behavior in plain text

**Feature:** Addition

**In order** to avoid silly mistakes

**As a** math idiot

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

**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** the result should be 120 on the screen

# Cucumber

- Write step definitions in ruby

```
Given /I have entered (.*) into the calculator do |n|  
  calculator = Calculator.new  
  calculator.push(n.to_i)  
end
```

# Cucumber -> cuke4duke

- Cucumber for the rest of the world
- Pure java step definitions
- <http://github.com/aslakhellesoy/cuke4duke>

Demo?

# cuke4duke future

- JUnit runner == IDE integration
- scala, python, groovy, .net, ...

# cuke4duke alternatives

- FitNesse
- JBehave
- easyb