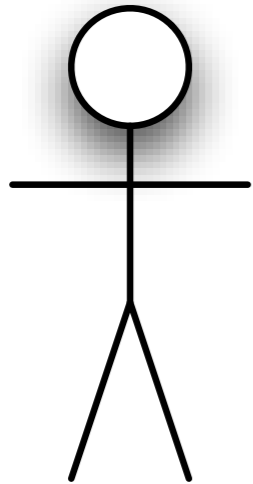


RSpec e RSpec on Rails

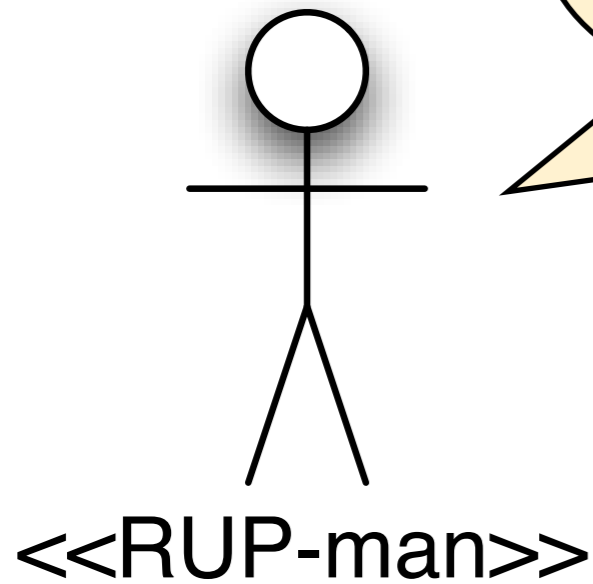
Danilo Sato

www.dtsato.com





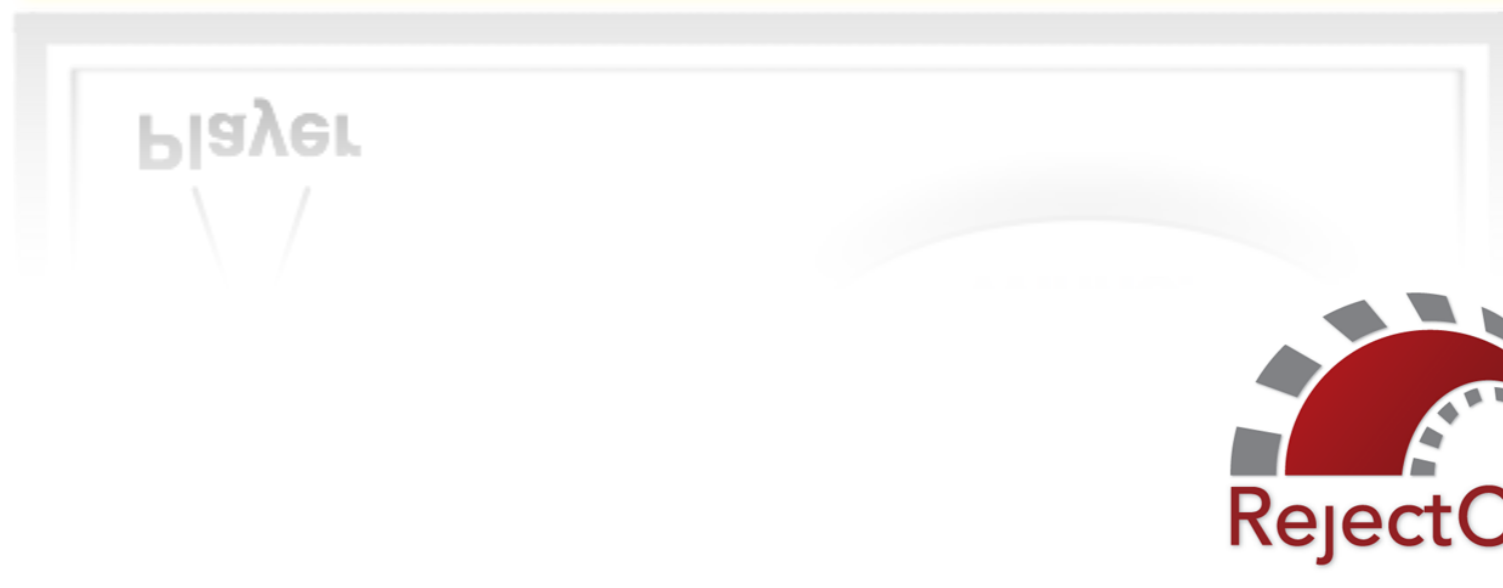
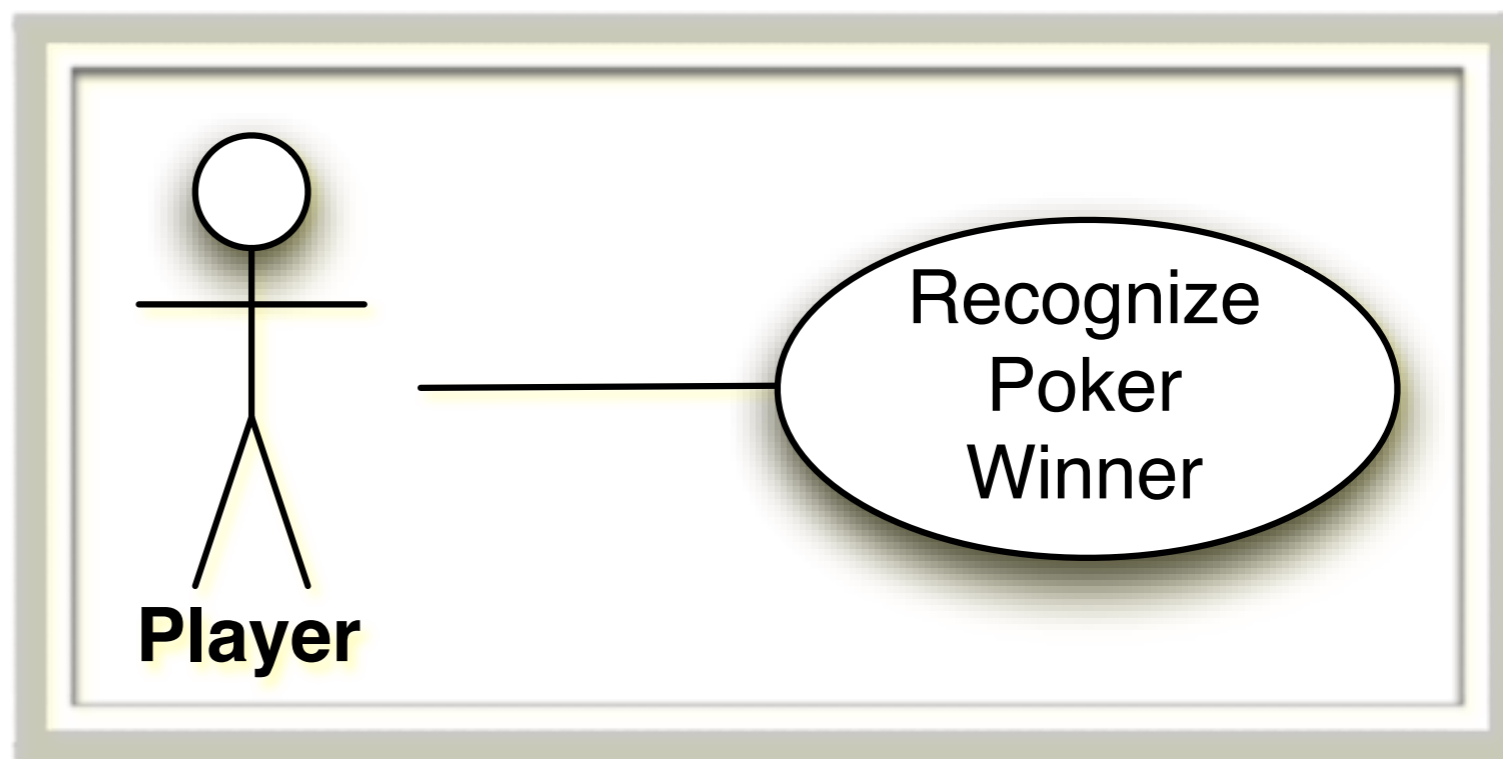
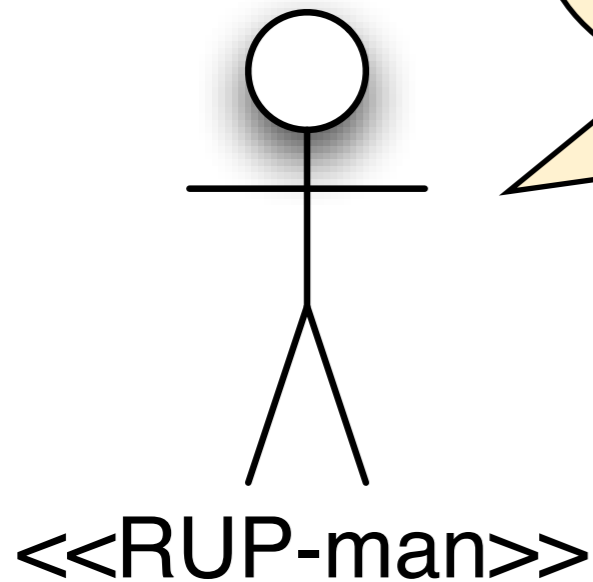
<<RUP-man>>



PROGRAMADOR, AQUI
ESTÁ SUA ESPECIFICAÇÃO...

A yellow speech bubble with a black outline, containing the text "PROGRAMADOR, AQUI ESTÁ SUA ESPECIFICAÇÃO..." in a dark red, serif font. The bubble is positioned to the right of the stick figure, with its tail pointing towards the figure's right arm.

PROGRAMADOR, AQUI
ESTÁ SUA ESPECIFICAÇÃO...



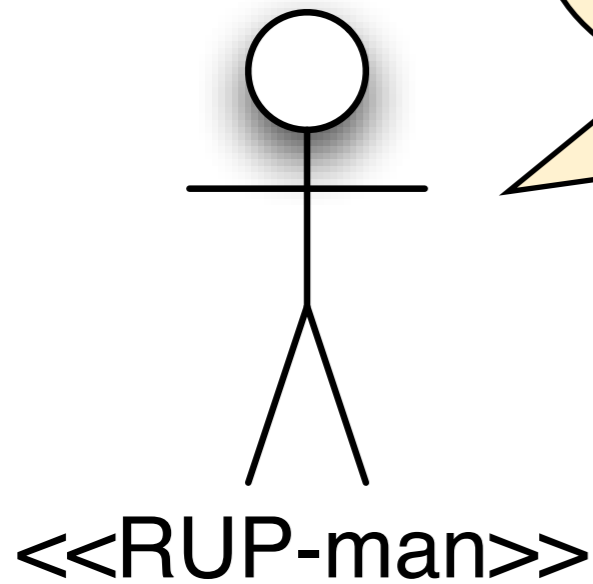


RSpec



RSpec

MAS COMO SE JOGA
POKER?



PROGRAMADOR NUNCA
ENTENDE NADA!

A yellow speech bubble with a black outline, containing the text "PROGRAMADOR NUNCA ENTENDE NADA!" in a bold, red, sans-serif font.

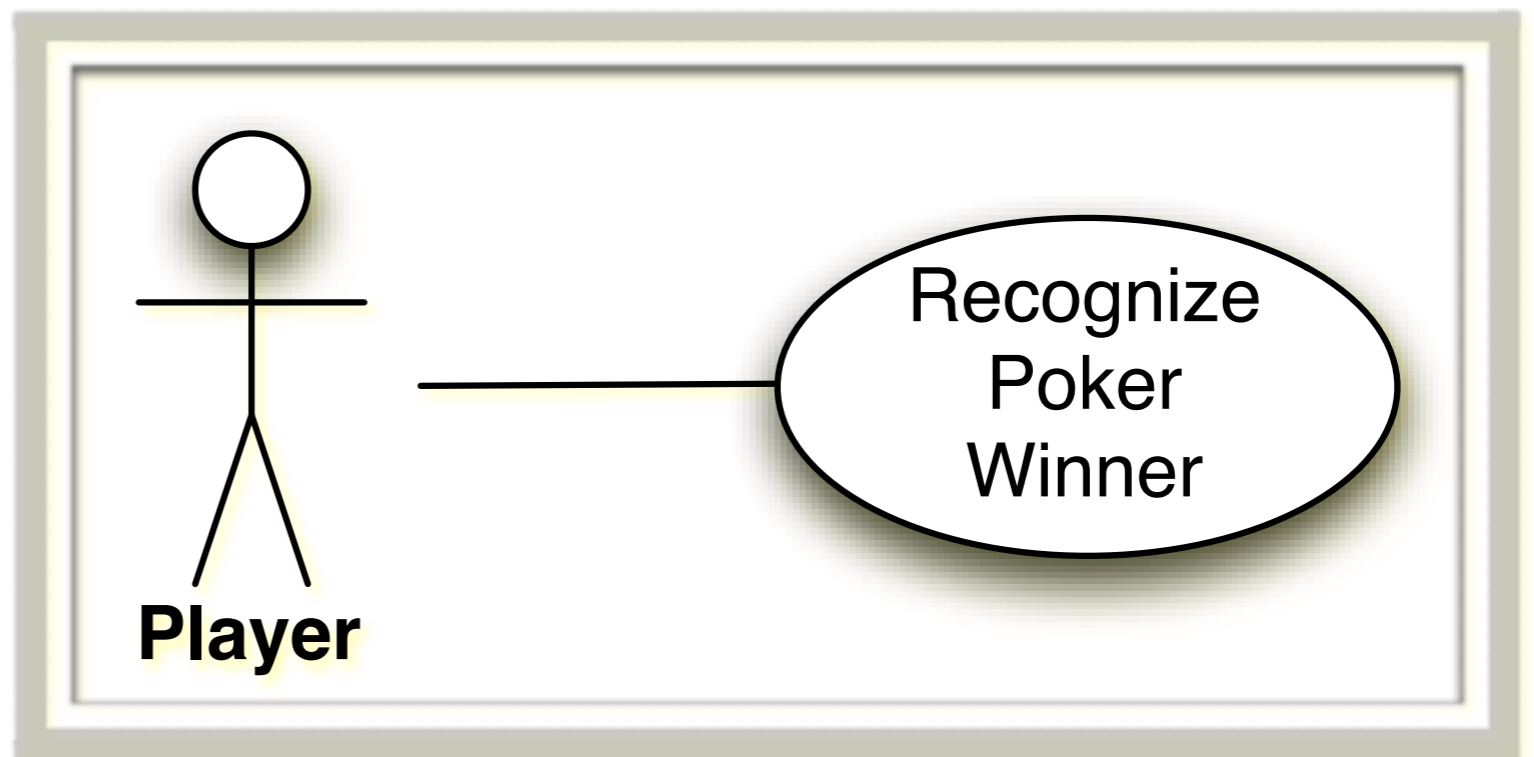
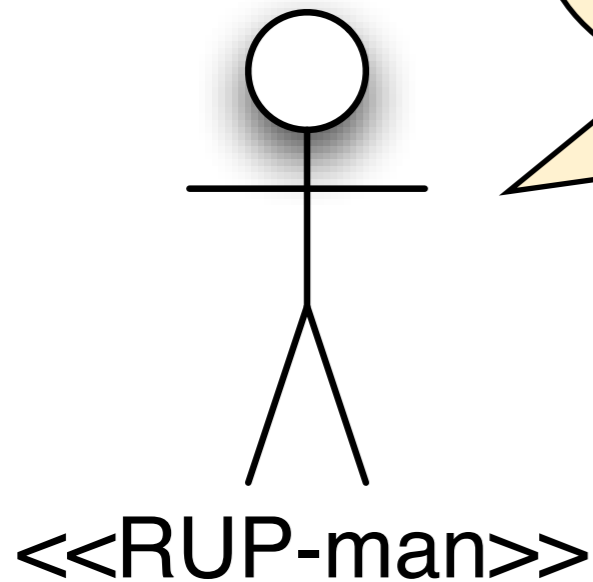
RSpec

The text "RSpec" is written in a black, sans-serif font below the red sad face emoji.

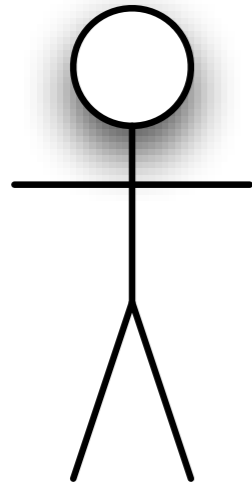
MAS COMO SE JOGA
POKER?

A yellow speech bubble with a black outline, containing the text "MAS COMO SE JOGA POKER?" in a bold, red, sans-serif font.

PRESTE ATENÇÃO...



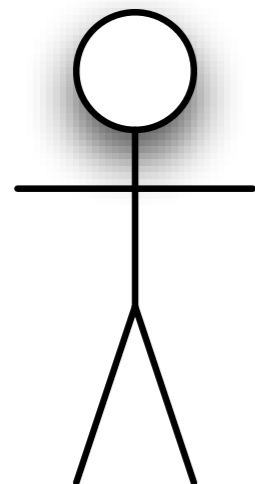
PRESTE ATENÇÃO...



<<RUP-man>>

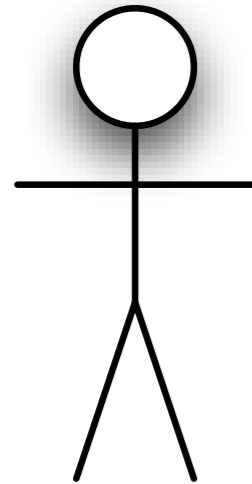
“Straight flush ganha de quadra.
Quadra ganha de full house...
Empata no straight flush quando os
índices são iguais...Desempate no
straight flush pela carta maior...”

AH! ACHO QUE ESSE
DIAGRAMA DEVE TE
AJUDAR...

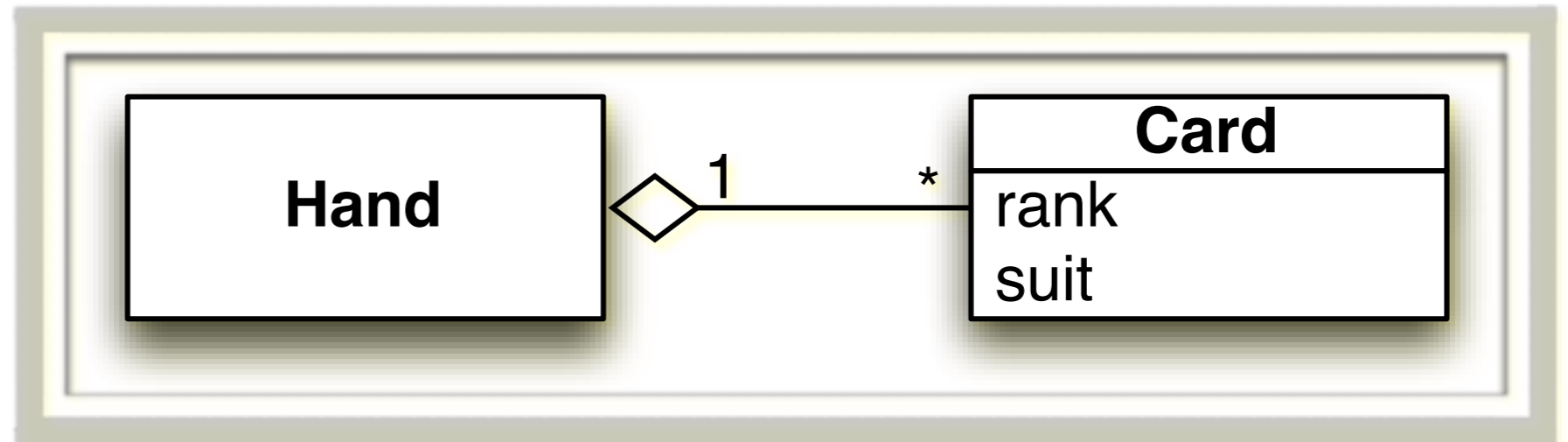


<<RUP-man>>

AH! ACHO QUE ESSE
DIAGRAMA DEVE TE
AJUDAR...



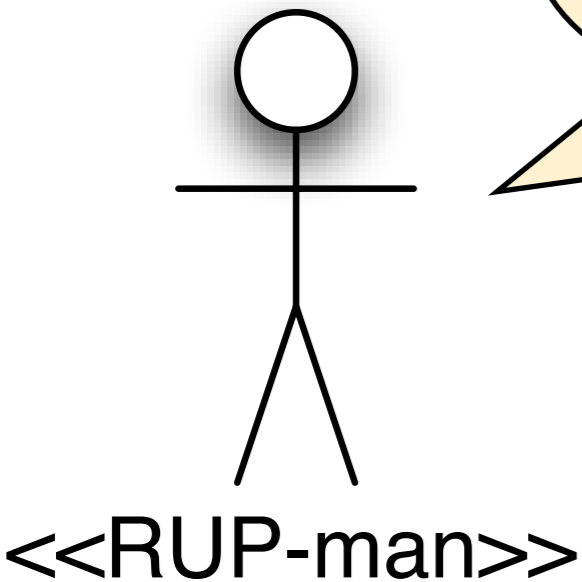
<<RUP-man>>





RSpec

MAS O QUE
FAZ UMA CARTA? E A
MÃO? COMO AS
CONSTRUO?...



AI AI...

A large, light-yellow speech bubble with a black outline, containing the text "AI AI..." in a dark red, handwritten-style font.

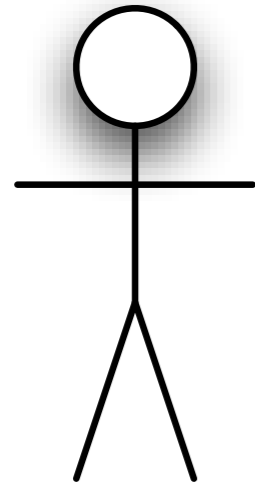
RSpec

The text "RSpec" is written in a black, sans-serif font directly below the red sad face emoji.

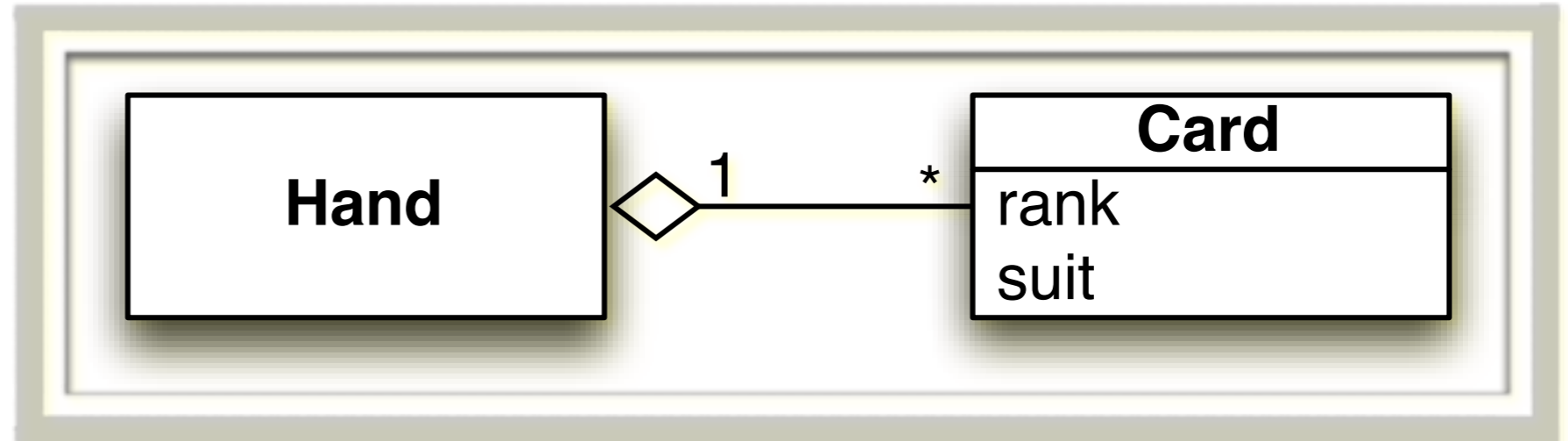
MAS O QUE
FAZ UMA CARTA? E A
MÃO? COMO AS
CONSTRUO?...

A large, light-yellow speech bubble with a black outline, containing the text "MAS O QUE FAZ UMA CARTA? E A MÃO? COMO AS CONSTRUO?..." in a dark red, handwritten-style font.

PRESTE ATENÇÃO...



<<RUP-man>>





PRESTE ATENÇÃO...

<<RUP-man>>

“Uma Carta deve ter índice, naipe e é construída a partir de uma String. A Mão deve ter cartas (ordenadas) e um rank calculado com base nas suas cartas...”



RSpec

HMM... ACHO QUE
CONSIGO REPRESENTAR
ISSO EM CÓDIGO


```
Story "I can rank poker hands",  
  %(As a game player  
    I want to rank a poker hand  
    So that I can decide a winner for the prize) do
```

```
Scenario "Straight flush wins Four of a kind" do  
  Given "A hand", :black, "2H 3H 4H 5H 6H"  
  Given "A hand", :white, "AC AH AD AS KC"  
  Then "Black should win"  
end
```

```
Scenario "Four of a kind wins Full house" do  
  Given "A hand", :white, "2C 2H 2D 2S AC"  
  Given "A hand", :black, "AC AH AD KS KC"  
  Then "White should win"  
end
```



RSpec

HMM... ACHO QUE
CONSIGO REPRESENTAR
ISSO EM CÓDIGO



```
describe Card do
  it 'should parse rank'
  it 'should parse suit'
  it 'should compare based on rank'
end
```

```
describe Hand do
  it 'should have cards'
  it 'should sort cards'
  it 'should have rank'
  it 'should compare based on rank'
  it 'should detect straight'
  it 'should detect flush'
  it 'should detect full house'
end
```



RSpec

HMM... ACHO QUE
CONSIGO REPRESENTAR
ISSO EM CÓDIGO

RSpec results

RSpec Results

19 examples, 0 failures
Finished in 0.045584 seconds

Card

- should parse rank
- should parse suit
- should parse ten
- should parse jack
- should parse queen
- should parse king
- should parse ace
- should compare based on rank

Hand

- should have cards



RSpec

E ISSO É CÓDIGO
EXECUTÁVEL!



Test-Driven Development

Behaviour-Driven Development

Teste

Especificação (Executável)

RSpec on Rails

- Instalação:

```
$ ruby script/plugin install svn://rubyforge.org/var/  
svn/rspec/tags/CURRENT/rspec
```

```
$ ruby script/plugin install svn://rubyforge.org/var/  
svn/rspec/tags/CURRENT/rspec_on_rails
```

```
$ ruby script/generate rspec
```


RSpec on Rails

- Permite especificar camadas isoladas:
 - View
 - Helpers
 - Controllers
 - Model
- Não substitui teste de integração

RSpec on Rails

DEMO

- Highlight da palestra atual
- Controller aceitar AJAX
- <http://192.168.0.100:3000/lectures>

RSpec on Rails

- O que está acontecendo no trunk:
 - Story tests (RSpec)
 - Plain-text story tests
 - Editor de histórias web
 - Integração com Rails 2.0
- <http://rspec.rubyforge.org>

Dúvidas?

- Danilo Sato
 - www.dtsato.com
- Dojo@SP
 - groups.google.com/group/dojo_sp
- AgilCoop
 - www.agilcoop.org.br