

BDD, RSpec, and more

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<http://www.mckinneystation.com>

Behavior Driven Development (BDD)

Conversation

Developer:
What should a user in the
application look like?

Client:
A user should require a
name.

Developer:
Hmm. Ok. A user should
require a name.

```
def test_user_name_required
  @user.attributes = valid_user_attributes.except(:name)
  assert !@user.valid?

  @user.name = "Geof"
  assert @user.valid?
end
```

OR

Developer:
Hmm. Ok. A user should
require a name.

```
it "should require a name" do
  @user.attributes = valid_user_attributes.except(:name)
  @user.should_not be_valid

  @user.name = "Geof"
  @user.should be_valid
end
```

Semantics

test or specification?

assert or should?

“the words you use influence
the way you think about
something”

<http://behavior-driven.org>

Project Planning
Which comes first:

Specifications
or
Testing

Project Planning

Which gets more attention:

Specifications

or

Testing

Project Planning
Which gets more time:

Specifications
or
Testing

Verifiable

Client:

The application should be
fast.

Developer:
What do you mean by fast?

Value

New Car:
worth 35% of original value
after five years

Design Document:
worth ?% of original value
after 6 months?

RSpec

<http://rspec.rubyforge.org>

Domain Specific Language (DSL)

Cool metaprogramming tricks

conversational

neat extras

RSpec and Rails

```
rails new_app
```

```
./script/plugin install svn://rubyforge.org/.../rspec
```

```
./script/plugin install svn://rubyforge.org/.../rspec_on_rails
```

```
./script/generate rspec
```

new_app

app

components

config

db

doc

lib

log

public

script

spec

test

tmp

vendor

rspec

rspec_on_rails

new_app

app

controllers

helpers

models

views

spec

controllers

fixtures

helpers

models

views

test

fixtures

functional

integration

mocks

unit

```
./script/generate rspec_model User
```

```
exists app/models/
```

```
create spec/models/
```

```
create spec/fixtures/
```

```
create app/models/user.rb
```

```
create spec/fixtures/users.yml
```

```
create spec/models/user_spec.rb
```

```
create db/migrate
```

```
create db/migrate/001_create_users.rb
```

```
spec/models/user_spec.rb
```

```
require File.dirname(__FILE__) + '/../spec_helper'
```

```
describe User do
```

```
  before(:each) do
```

```
    @user = User.new
```

```
  end
```

```
  it "should be valid" do
```

```
    @user.should be_valid
```

```
  end
```

```
end
```

Demo

autotest
(ZenTest)

rake spec:doc

```
rake spec:doc >  
doc/specifications.txt
```

rake stats

rake spec:rcov

no integration testing, yet

watir
selenium

questions