Avoiding Sneaky Testing Antipatterns



Hi! I'm Sarah



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thoughtbot/ factory_bot



A library for setting up Ruby objects as test data.

R 257
Contributors

158k
Used by

☆ 8k

Stars

ሄ 3k

Forks

Anti-patterns are the opposite of best practices.

They seem to work, but the larger context or the long-term consequences are often not considered.

```
class User
 def save
 end
end
```

... you find a bug and you create this test

```
it 'does not return false when the email is valid' do
  user = User.new(email: 'valid@example.com')
  expect { user.save }.not_to be false
end
```

```
it 'does not return false when the email is valid' do
  expect { user.save }.not_to be false
end
```

expect { user.save }.not_to raise_error

```
it 'returns true with a valid email' do
   user = User.new(email: 'valid@example.com')
   expect(user.save).to be true
end
```

False Positives

False Positives

How to avoid: Make sure you see the test fail

Mystery Guest

Let's not!

```
RSpec.describe User do
let(:user) { create(:user) }

it 'validates the presence of the name' do
    expect(user).to validates_presence_of(:name)
end
end
```

The test reader is not able to see the cause and effect between fixture and verification logic because part of it is done outside the Test Method.

Arrange - Act - Assert

Test Hooks

```
class ApplicationController < ActionController::Base
  unless Rails.env.test?
   before_filter :require_login
  end
end</pre>
```

Test Hooks

Clearance



Rails authentication with email & password.

Clearance is intended to be small, simple, and well-tested. It has opinionated defaults but is intended to be easy to override.

```
visit root path(as: user)
```

```
def calculate_total_price(offer)
  total_fees = offer.charges.sum { |charge| charge.amount }
  offer.face_value + total_fees
end
```

```
RSpec.describe "Offer Price" do
 it "returns the sum of all charges amounts with the face value" do
   offer = Offer.new(
   face value: 1000,
    charges: [
      Charge.new(type: "fee", amount: 50),
      Charge.new(type: "tax", amount: 100)
   final price = calculate total price(offer)
   expect(final price).to eq(...)
 end
end
```

```
RSpec.describe "Offer Price" do
 it "returns the sum of all charges amounts with the face value" do
 end
 it "other scenario" do
 end
 it "other scenario" do
 end
 def expected price
 end
end
```

```
RSpec.describe "Offer Price" do
 it "returns the sum of all charges amounts with the face value" do
   offer = \{\ldots\}
   final price = calculate offer price(offer)
   expect (final price).to eq(1150)
 end
end
```

Instead of duplicating the domain logic, pre-calculate the expected results with the help of a domain expert and hard-code the results into your tests.

Maintainable

Maintainable

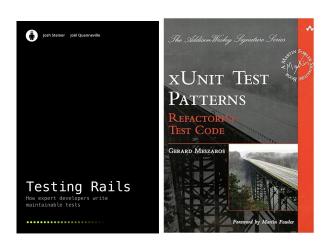
Isolated

Isolated

Maintainable

Reliable

References



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