

Ruby on Rails

Advanced Testing

Test Doubles

Dummies

Just a placeholder, not really used

Most frameworks don't have built-in capability

`Object.new` can usually be used

Test Doubles

Stubs

Provide canned responses

Often hard coded

Test Doubles

Mocks

Smart stubs

Used to verify that some action occurred, such as a specific method being called with specific parameters

Stub Example

Create a project called Wardrobe

Add a Helper called WardrobeHelper

Create a service called WeatherService (create it in app/services)

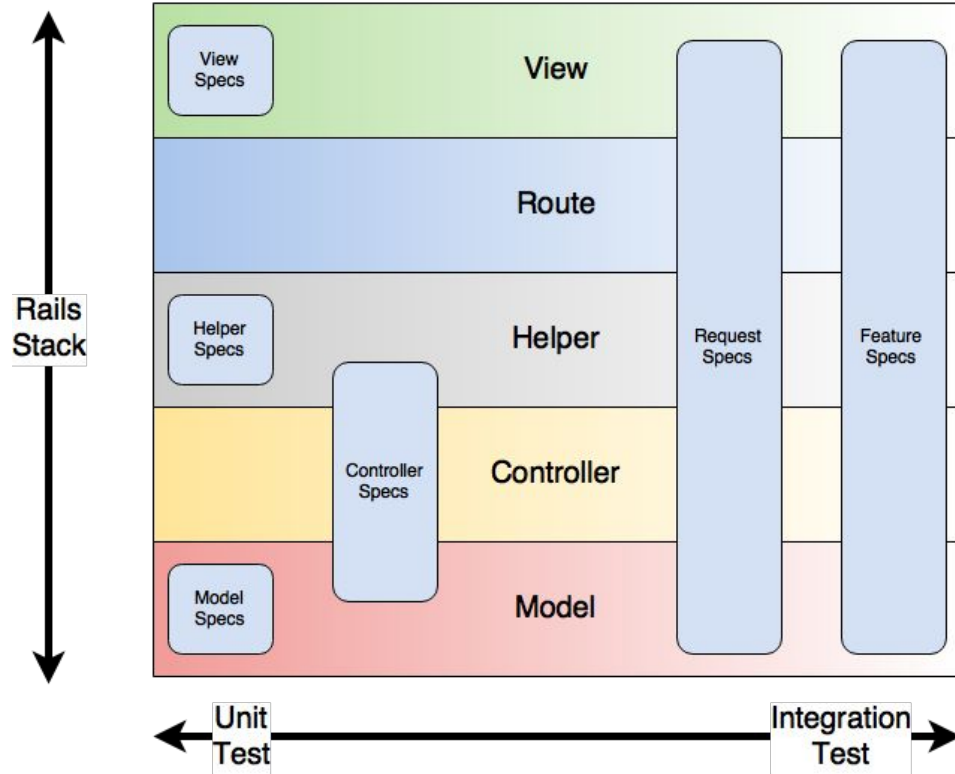
Add a method to WeatherService called `current_temp`

Stub Example

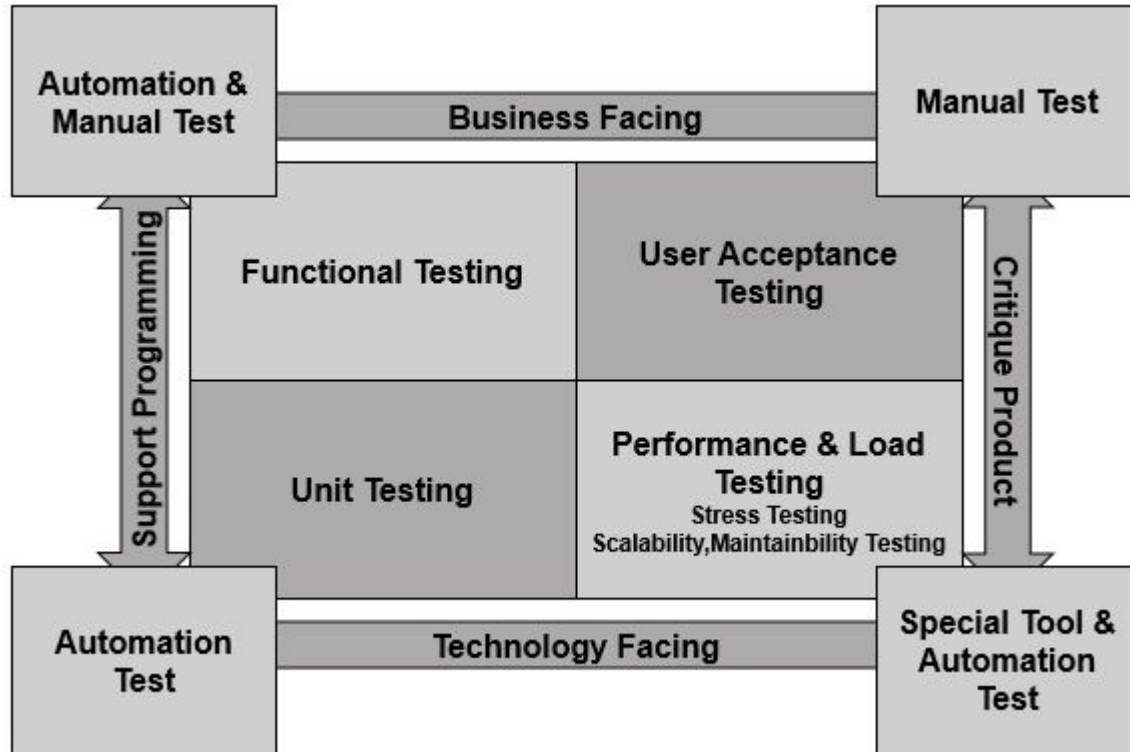
```
class WardrobeHelperTest < ActiveSupport::TestCase
  test 'chooses heavycoat when it's cold' do
    mock = Minitest::Mock.new
    def mock.current_temp; 0; end

    WeatherService.stub :new, mock do
      wh = WardrobeHelper.new
      assert_equal 'heavy', wh.coat_for_today
    end
  end
end
```

Testing “Pyramid”



Test Quadrants



Test Types

System

- uses a headless browser
- Tests user interactions
- Can take screenshots

Integration

- Tests internal interactions

Functional

- Tests for a specific controller/action

Assertions

Built-in assertions from Minitest

Includes some Rails specific assertions

- Routes and parameters
- Response codes
- Redirects