Gemfile Summary

Capstone: Photo Tourist Web Application

In this lecture, we will discuss…

✧ Gemfile sanity check before deployment

```
Jamess-MacBook-Pro:capstone_demoapp jim$
```

```
Jamess-MacBook-Pro:capstone_demoapp jim$ rake
```

```
  1) ApiDevelopments MongoDB-backed expose MongoDB-backed API resource
     Failure/Error: expect(parsed_body).to include("id"=>object.id.to_s)

       expected {"id" => {"$oid" => "5843384f8a6818102a0a5cf0"}, "name" => "test", "created_at" => "2016-12-03T2
1:25:35.398Z"..._at" => "2016-12-03T21:25:35.398Z", "url" => "http://www.example.com/api/bars/5843384f8a6818102a
0a5cf0"} to include {"id" => "5843384f8a6818102a0a5cf0"}
       Diff:
       @@ -1,2 +1,6 @@
       -"id" => "5843384f8a6818102a0a5cf0",
       +"created_at" => "2016-12-03T21:25:35.398Z",
       +"id" => {"$oid"=>"5843384f8a6818102a0a5cf0"},
       +"name" => "test",
       +"updated_at" => "2016-12-03T21:25:35.398Z",
       +"url" => "http://www.example.com/api/bars/5843384f8a6818102a0a5cf0",

     # ./spec/requests/api_developments_spec.rb:42:in `block (3 levels) in <top (required)>'

Finished in 0.08581 seconds (files took 1.59 seconds to load)
4 examples, 1 failure

Failed examples:

rspec ./spec/requests/api_developments_spec.rb:35 # ApiDevelopments MongoDB-backed expose MongoDB-backed API res
ource

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-3.5.4/lib:/Users/jim/.rbenv/versions/2.2.3/lib/ruby/gems/2.2.0/gems/rspec-support-3.5.0/lib /Users/jim/.rbenv/v
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iled
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iled
```

```ruby
require 'rails_helper'

RSpec.describe "ApiDevelopments", type: :request do
  def parsed_body
    JSON.parse(response.body)
  end

  describe "RDBMS-backed" do
    before(:each) { Foo.delete_all }
    after(:each)  { Foo.delete_all }

    it "create RDBMS-backed model" do
      object=Foo.create(:name=>"test")
      expect(Foo.find(object.id).name).to eq("test")
    end

    it "expose RDBMS-backed API resource" do
      object=Foo.create(:name=>"test")
      expect(foos_path).to eq("/api/foos")
      get foo_path(object.id)
      expect(response).to have_http_status(:ok)
      expect(parsed_body["name"]).to eq("test")
    end
  end

  describe "MongoDB-backed" do
    before(:each) { Bar.delete_all }
    after(:each)  { Bar.delete_all }
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```ruby
require 'rails_helper'

RSpec.describe "ApiDevelopments", type: :request do
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    end
  end

  describe "MongoDB-backed" do
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```ruby
14        expect(Foo.find(object.id).name).to eq("test")
15      end
16
17      it "expose RDBMS-backed API resource" do
18        object=Foo.create(:name=>"test")
19        expect(foos_path).to eq("/api/foos")
20        get foo_path(object.id)
21        expect(response).to have_http_status(:ok)
22        expect(parsed_body["name"]).to eq("test")
23      end
24    end
25
26    describe "MongoDB-backed" do
27      before(:each) { Bar.delete_all }
28      after(:each)  { Bar.delete_all }
29
30      it "create MongoDB-backed model" do
31        object=Bar.create(:name=>"test")
32        expect(Bar.find(object.id).name).to eq("test")
33      end
34
35      it "expose MongoDB-backed API resource" do
36        object=Bar.create(:name=>"test")
37        expect(bars_path).to eq("/api/bars")
38        get bar_path(object.id)
39        expect(response).to have_http_status(:ok)
40        expect(parsed_body["name"]).to eq("test")
41        expect(parsed_body).to include("created_at")
42        expect(parsed_body).to include("id"=>object.id.to_s)
```

```ruby
14       expect(Foo.find(object.id).name).to eq("test")
15     end
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17     it "expose RDBMS-backed API resource" do
18       object=Foo.create(:name=>"test")
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36       object=Bar.create(:name=>"test")
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38       get bar_path(object.id)
39       expect(response).to have_http_status(:ok)
40       expect(parsed_body["name"]).to eq("test")
41       expect(parsed_body).to include("created_at")
42       byebug
```

```
        expected {"id" => {"$oid" => "584339fb8a681810a3311716"}, "name" => "test", "created_at" => "2016-12-03T2
1:32:43.777Z"..._at" => "2016-12-03T21:32:43.777Z", "url" => "http://www.example.com/api/bars/584339fb8a681810a3
311716"} to include {"id" => "584339fb8a681810a3311716"}
        Diff:
        @@ -1,2 +1,6 @@
        -"id" => "584339fb8a681810a3311716",
        +"created_at" => "2016-12-03T21:32:43.777Z",
        +"id" => {"$oid"=>"584339fb8a681810a3311716"},
        +"name" => "test",
        +"updated_at" => "2016-12-03T21:32:43.777Z",
        +"url" => "http://www.example.com/api/bars/584339fb8a681810a3311716",

    # ./spec/requests/api_developments_spec.rb:42:in `block (3 levels) in <top (required)>'


Finished in 0.08501 seconds (files took 1.59 seconds to load)
4 examples, 1 failure


Failed examples:

rspec ./spec/requests/api_developments_spec.rb:35 # ApiDevelopments MongoDB-backed expose MongoDB-backed API res
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ersions/2.2.3/lib/ruby/gems/2.2.0/gems/rspec-core-3.5.4/exe/rspec --pattern spec/\*\*\{,/\*/\*\*\}/\*_spec.rb fa
iled
Jamess-MacBook-Pro:capstone_demoapp jim$ vi spec/requests/api_developments_spec.rb
Jamess-MacBook-Pro:capstone_demoapp jim$ rake
```

```
RDBMS-backed
  create RDBMS-backed model
  expose RDBMS-backed API resource
MongoDB-backed
  create MongoDB-backed model
  expose MongoDB-backed API resource (FAILED - 1)

Failures:

  1) ApiDevelopments MongoDB-backed expose MongoDB-backed API resource
     Failure/Error: byebug

     NameError:
       undefined local variable or method `byebug' for #<RSpec::ExampleGroups::ApiDevelopments::MongoDBBacked:0x
007faa60bfe958>
     # ./spec/requests/api_developments_spec.rb:42:in `block (3 levels) in <top (required)>'

Finished in 0.07328 seconds (files took 1.61 seconds to load)
4 examples, 1 failure

Failed examples:

rspec ./spec/requests/api_developments_spec.rb:35 # ApiDevelopments MongoDB-backed expose MongoDB-backed API res
ource

/Users/jim/.rbenv/versions/2.2.3/bin/ruby -I/Users/jim/.rbenv/versions/2.2.3/lib/ruby/gems/2.2.0/gems/rspec-core
-3.5.4/lib:/Users/jim/.rbenv/versions/2.2.3/lib/ruby/gems/2.2.0/gems/rspec-support-3.5.0/lib /Users/jim/.rbenv/v
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iled
```

```ruby
1
2 source 'https://rubygems.org'
3
4 gem 'rails', '4.2.6'
5 gem 'rails-api', '~>0.4', '>=0.4.0'
6 gem 'rack-cors', '~>0.4', '>=0.4.0', :require => 'rack/cors'
7
8 gem 'jbuilder', '~> 2.0', '>=2.6.0'
9
10 group :development do
11   gem 'spring', '~>2.0', '>=2.0.0'
12 end
13
14 group :development, :test do
15   gem 'webrick', '~>1.3', '>=1.3.1', :platforms=>[:mingw, :mswin, :x64_mingw, :jruby]
16   gem 'tzinfo-data', :platforms=>[:mingw, :mswin, :x64_mingw, :jruby]
17   gem 'httparty', '~>0.14', '>=0.14.0'
18
19   gem 'rspec-rails', '~> 3.5', '>=3.5.2'
20 end
21
22 gem 'puma', '~>3.6', '>=3.6.0', :platforms=>:ruby
23 gem 'pg', '~>0.19', '>=0.19.0'
24 gem 'mongoid', '~>5.1', '>=5.1.5'
~
~
~
~
~
~
```

```ruby
#
source 'https://rubygems.org'

gem 'rails', '4.2.6'
gem 'rails-api', '~>0.4', '>=0.4.0'
gem 'rack-cors', '~>0.4', '>=0.4.0', :require => 'rack/cors'

gem 'jbuilder', '~> 2.0', '>=2.6.0'

group :development do
  gem 'spring', '~>2.0', '>=2.0.0'
end

group :development, :test do
  gem 'webrick', '~>1.3', '>=1.3.1', :platforms=>[:mingw, :mswin, :x64_mingw, :jruby]
  gem 'tzinfo-data', :platforms=>[:mingw, :mswin, :x64_mingw, :jruby]
  gem 'byebug', '~>9.0', '>=9.0.6'
  gem 'httparty', '~>0.14', '>=0.14.0'

  gem 'rspec-rails', '~> 3.5', '>=3.5.2'
end

gem 'puma', '~>3.6', '>=3.6.0', :platforms=>:ruby
gem 'pg', '~>0.19', '>=0.19.0'
gem 'mongoid', '~>5.1', '>=5.1.5'
```
~
~
~
~

```
      expose RDBMS-backed API resource
  MongoDB-backed
    create MongoDB-backed model
    expose MongoDB-backed API resource (FAILED - 1)

Failures:

  1) ApiDevelopments MongoDB-backed expose MongoDB-backed API resource
     Failure/Error: byebug

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       undefined local variable or method `byebug' for #<RSpec::ExampleGroups::ApiDevelopments::MongoDBBacked:0x
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iled
Jamess-MacBook-Pro:capstone_demoapp jim$ vi Gemfile
Jamess-MacBook-Pro:capstone_demoapp jim$ bundle
```

```
Using mongo 2.3.1
Using sprockets 3.7.0
Using httparty 0.14.0
Using rspec-core 3.5.4
Using rspec-expectations 3.5.0
Using rspec-mocks 3.5.0
Using activesupport 4.2.6
Using loofah 2.0.3
Using mail 2.6.4
Using rails-deprecated_sanitizer 1.0.3
Using globalid 0.3.7
Using activemodel 4.2.6
Using jbuilder 2.6.0
Using spring 2.0.0
Using rails-html-sanitizer 1.0.3
Using rails-dom-testing 1.0.7
Using activejob 4.2.6
Using activerecord 4.2.6
Using mongoid 5.1.5
Using actionview 4.2.6
Using actionpack 4.2.6
Using actionmailer 4.2.6
Using railties 4.2.6
Using sprockets-rails 3.2.0
Using rails-api 0.4.0
Using rspec-rails 3.5.2
Using rails 4.2.6
Bundle complete! 13 Gemfile dependencies, 55 gems now installed.
Use `bundle show [gemname]` to see where a bundled gem is installed.
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Using sprockets-rails 3.2.0
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ApiDevelopments
  RDBMS-backed
    create RDBMS-backed model
    expose RDBMS-backed API resource
  MongoDB-backed
    create MongoDB-backed model

[37, 46] in /Users/jim/proj/fullstack/capstone_demoapp/spec/requests/api_developments_spec.rb
   37:        expect(bars_path).to eq("/api/bars")
   38:        get bar_path(object.id)
   39:        expect(response).to have_http_status(:ok)
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   41:        expect(parsed_body).to include("created_at")
   42:        byebug
=> 43:        expect(parsed_body).to include("id"=>object.id.to_s)
   44:      end
   45:    end
   46: end
```

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Using sprockets-rails 3.2.0
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=> 43:        expect(parsed_body).to include("id"=>object.id.to_s)
    44:      end
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    46: end
(byebug) parsed_body
```

```
{"id"=>{"$oid"=>"58433a828a6818111bfc9c9f"}, "name"=>"test", "created_at"=>"2016-12-03T21:34:58.983Z", "updated_
at"=>"2016-12-03T21:34:58.983Z", "url"=>"http://www.example.com/api/bars/58433a828a6818111bfc9c9f"}
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/Users/jim/.rbenv/versions/2.2.3/bin/ruby -I/Users/jim/.rbenv/versions/2.2.3/lib/ruby/gems/2.2.0/gems/rspec-core
-3.5.4/lib:/Users/jim/.rbenv/versions/2.2.3/lib/ruby/gems/2.2.0/gems/rspec-support-3.5.0/lib /Users/jim/.rbenv/v
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(byebug) parsed_body
{"id"=>{"$oid"=>"58433a828a6818111bfc9c9f"}, "name"=>"test", "created_at"=>"2016-12-03T21:34:58.983Z", "updated_
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=> 43:   expect(parsed_body).to include("id"=>object.id.to_s)
    44:       end
    45:     end
    46: end
(byebug) parsed_body
{"id"=>{"$oid"=>"58433a828a6818111bfc9c9f"}, "name"=>"test", "created_at"=>"2016-12-03T21:34:58.983Z", "updated_at"=>"2016-12-03T21:34:58.983Z", "url"=>"http://www.example.com/api/bars/58433a828a6818111bfc9c9f"}
(byebug) quit
Really quit? (y/n) y
/Users/jim/.rbenv/versions/2.2.3/bin/ruby -I/Users/jim/.rbenv/versions/2.2.3/lib/ruby/gems/2.2.0/gems/rspec-core-3.5.4/lib:/Users/jim/.rbenv/versions/2.2.3/lib/ruby/gems/2.2.0/gems/rspec-support-3.5.0/lib /Users/jim/.rbenv/versions/2.2.3/lib/ruby/gems/2.2.0/gems/rspec-core-3.5.4/exe/rspec --pattern spec/**\{,/*/**\}/*_spec.rb failed

```ruby
class BarsController < ApplicationController
  before_action :set_bar, only: [:show, :update, :destroy]

  def index
    @bars = Bar.all
    #render json: @bars
  end

  def show
    #render json: @bar
    b
  end

  def create
    @bar = Bar.new(bar_params)

    if @bar.save
      #render json: @bar, status: :created, location: @bar
      render :show, status: :created, location: @bar
    else
      render json: @bar.errors, status: :unprocessable_entity
    end
  end

  def update
    @bar = Bar.find(params[:id])

    if @bar.update(bar_params)
      head :no_content
```

```ruby
class BarsController < ApplicationController
  before_action :set_bar, only: [:show, :update, :destroy]

  def index
    @bars = Bar.all
    #render json: @bars
  end

  def show
    #render json: @bar
    byebug
  end

  def create
    @bar = Bar.new(bar_params)

    if @bar.save
      #render json: @bar, status: :created, location: @bar
      render :show, status: :created, location: @bar
    else
      render json: @bar.errors, status: :unprocessable_entity
    end
  end

  def update
    @bar = Bar.find(params[:id])

    if @bar.update(bar_params)
      head :no_content
```

```ruby
class BarsController < ApplicationController
  before_action :set_bar, only: [:show, :update, :destroy]

  def index
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    #render json: @bars
  end

  def show
    #render json: @bar
    byebug
  end

  def create
    @bar = Bar.new(bar_params)

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      #render json: @bar, status: :created, location: @bar
      render :show, status: :created, location: @bar
    else
      render json: @bar.errors, status: :unprocessable_entity
    end
  end

  def update
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      head :no_content
```

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  before_action :set_bar, only: [:show, :update, :destroy]

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    @bars = Bar.all
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  end

  def show
    #render json: @bar
    byebug
  end

  def create
    @bar = Bar.new(bar_params)

    if @bar.save
      #render json: @bar, status: :created, location: @bar
      render :show, status: :created, location: @bar
    else
      render json: @bar.errors, status: :unprocessable_entity
    end
  end

  def update
    @bar = Bar.find(params[:id])

    if @bar.update(bar_params)
      head :no_content
```

```
1 #json.extract! bar, :id, :name, :created_at, :updated_at
2
3 #json.id bar.id.to_s - added for error to debug
4 byebug
5 json.id bar.id
6 json.name bar.name
7 json.created_at bar.created_at
8 json.updated_at bar.updated_at
9 json.url bar_url(bar, format: :json)
```

```
    expose RDBMS-backed API resource
  MongoDB-backed
    create MongoDB-backed model

[37, 46] in /Users/jim/proj/fullstack/capstone_demoapp/spec/requests/api_developments_spec.rb
    37:        expect(bars_path).to eq("/api/bars")
    38:        get bar_path(object.id)
    39:        expect(response).to have_http_status(:ok)
    40:        expect(parsed_body["name"]).to eq("test")
    41:        expect(parsed_body).to include("created_at")
    42:        byebug
=> 43:        expect(parsed_body).to include("id"=>object.id.to_s)
    44:      end
    45:    end
    46: end
(byebug) parsed_body
{"id"=>{"$oid"=>"58433a828a6818111bfc9c9f"}, "name"=>"test", "created_at"=>"2016-12-03T21:34:58.983Z", "updated_
at"=>"2016-12-03T21:34:58.983Z", "url"=>"http://www.example.com/api/bars/58433a828a6818111bfc9c9f"}
(byebug) quit
Really quit? (y/n) y
/Users/jim/.rbenv/versions/2.2.3/bin/ruby -I/Users/jim/.rbenv/versions/2.2.3/lib/ruby/gems/2.2.0/gems/rspec-core
-3.5.4/lib:/Users/jim/.rbenv/versions/2.2.3/lib/ruby/gems/2.2.0/gems/rspec-support-3.5.0/lib /Users/jim/.rbenv/v
ersions/2.2.3/lib/ruby/gems/2.2.0/gems/rspec-core-3.5.4/exe/rspec --pattern spec/\*\*\{,/\*/\*\*\}/\*_spec.rb fa
iled
Jamess-MacBook-Pro:capstone_demoapp jim$ vi app/controllers/bars_controller.rb
Jamess-MacBook-Pro:capstone_demoapp jim$ rake
/Users/jim/.rbenv/versions/2.2.3/bin/ruby -I/Users/jim/.rbenv/versions/2.2.3/lib/ruby/gems/2.2.0/gems/rspec-core
-3.5.4/lib:/Users/jim/.rbenv/versions/2.2.3/lib/ruby/gems/2.2.0/gems/rspec-support-3.5.0/lib /Users/jim/.rbenv/v
ersions/2.2.3/lib/ruby/gems/2.2.0/gems/rspec-core-3.5.4/exe/rspec --pattern spec/\*\*\{,/\*/\*\*\}/\*_spec.rb
```

```
/Users/jim/.rbenv/versions/2.2.3/bin/ruby -I/Users/jim/.rbenv/versions/2.2.3/lib/ruby/gems/2.2.0/gems/rspec-core
-3.5.4/lib:/Users/jim/.rbenv/versions/2.2.3/lib/ruby/gems/2.2.0/gems/rspec-support-3.5.0/lib /Users/jim/.rbenv/v
ersions/2.2.3/lib/ruby/gems/2.2.0/gems/rspec-core-3.5.4/exe/rspec --pattern spec/\*\*\{,/\*/\*\*\}/\*_spec.rb fa
iled
Jamess-MacBook-Pro:capstone_demoapp jim$ vi app/controllers/bars_controller.rb
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/Users/jim/.rbenv/versions/2.2.3/bin/ruby -I/Users/jim/.rbenv/versions/2.2.3/lib/ruby/gems/2.2.0/gems/rspec-core
-3.5.4/lib:/Users/jim/.rbenv/versions/2.2.3/lib/ruby/gems/2.2.0/gems/rspec-support-3.5.0/lib /Users/jim/.rbenv/v
ersions/2.2.3/lib/ruby/gems/2.2.0/gems/rspec-core-3.5.4/exe/rspec --pattern spec/\*\*\{,/\*/\*\*\}/\*_spec.rb

ApiDevelopments
  RDBMS-backed
    create RDBMS-backed model
    expose RDBMS-backed API resource
  MongoDB-backed
    create MongoDB-backed model
Return value is: nil

[7, 16] in /Users/jim/proj/fullstack/capstone_demoapp/app/controllers/bars_controller.rb
    7:     end
    8:
    9:   def show
   10:     #render json: @bar
   11:     byebug
=> 12:   end
   13:
   14:   def create
   15:     @bar = Bar.new(bar_params)
   16:
```

```
Jamess-MacBook-Pro:capstone_demoapp jim$ rake
/Users/jim/.rbenv/versions/2.2.3/bin/ruby -I/Users/jim/.rbenv/versions/2.2.3/lib/ruby/gems/2.2.0/gems/rspec-core
-3.5.4/lib:/Users/jim/.rbenv/versions/2.2.3/lib/ruby/gems/2.2.0/gems/rspec-support-3.5.0/lib /Users/jim/.rbenv/v
ersions/2.2.3/lib/ruby/gems/2.2.0/gems/rspec-core-3.5.4/exe/rspec --pattern spec/\*\*\{,/\*/\*\*\}/\*_spec.rb

ApiDevelopments
  RDBMS-backed
    create RDBMS-backed model
    expose RDBMS-backed API resource
  MongoDB-backed
    create MongoDB-backed model
Return value is: nil

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    7:     end
    8:
    9:     def show
   10:       #render json: @bar
   11:       byebug
=> 12:     end
   13:
   14:     def create
   15:       @bar = Bar.new(bar_params)
   16:
(byebug) @bar
#<Bar _id: 58433ad38a6818114acde203, created_at: 2016-12-03 21:36:19 UTC, updated_at: 2016-12-03 21:36:19 UTC, n
ame: "test">
(byebug) @bar.id
BSON::ObjectId('58433ad38a6818114acde203')
```

```
Jamess-MacBook-Pro:capstone_demoapp jim$ rake
/Users/jim/.rbenv/versions/2.2.3/bin/ruby -I/Users/jim/.rbenv/versions/2.2.3/lib/ruby/gems/2.2.0/gems/rspec-core
-3.5.4/lib:/Users/jim/.rbenv/versions/2.2.3/lib/ruby/gems/2.2.0/gems/rspec-support-3.5.0/lib /Users/jim/.rbenv/v
ersions/2.2.3/lib/ruby/gems/2.2.0/gems/rspec-core-3.5.4/exe/rspec --pattern spec/\*\*\{,/\*/\*\*\}/\*_spec.rb


ApiDevelopments
  RDBMS-backed
    create RDBMS-backed model
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Return value is: nil


[7, 16] in /Users/jim/proj/fullstack/capstone_demoapp/app/controllers/bars_controller.rb
    7:    end
    8:
    9:    def show
   10:      #render json: @bar
   11:      byebug
=> 12:    end
   13:
   14:    def create
   15:      @bar = Bar.new(bar_params)
   16:
(byebug) @bar
#<Bar _id: 58433ad38a6818114acde203, created_at: 2016-12-03 21:36:19 UTC, updated_at: 2016-12-03 21:36:19 UTC, n
ame: "test">
(byebug) @bar.id
BSON::ObjectId('58433ad38a6818114acde203')
```

```
[7, 16] in /Users/jim/proj/fullstack/capstone_demoapp/app/controllers/bars_controller.rb
   7:    end
   8:
   9:    def show
  10:      #render json: @bar
  11:      byebug
=> 12:    end
  13:
  14:    def create
  15:      @bar = Bar.new(bar_params)
  16:
(byebug) @bar
#<Bar _id: 58433ad38a6818114acde203, created_at: 2016-12-03 21:36:19 UTC, updated_at: 2016-12-03 21:36:19 UTC, n
ame: "test">
(byebug) @bar.id
BSON::ObjectId('58433ad38a6818114acde203')
(byebug) continue

[1, 9] in /Users/jim/proj/fullstack/capstone_demoapp/app/views/bars/_bar.json.jbuilder
   1: #json.extract! bar, :id, :name, :created_at, :updated_at
   2:
   3: #json.id bar.id.to_s - added for error to debug
   4: byebug
=> 5: json.id bar.id
   6: json.name bar.name
   7: json.created_at bar.created_at
   8: json.updated_at bar.updated_at
   9: json.url bar_url(bar, format: :json)
```

```
     7:     end
     8:
     9:     def show
    10:       #render json: @bar
    11:       byebug
=>  12:     end
    13:
    14:     def create
    15:       @bar = Bar.new(bar_params)
    16:
(byebug) @bar
#<Bar _id: 58433ad38a6818114acde203, created_at: 2016-12-03 21:36:19 UTC, updated_at: 2016-12-03 21:36:19 UTC, n
ame: "test">
(byebug) @bar.id
BSON::ObjectId('58433ad38a6818114acde203')
(byebug) continue


[1, 9] in /Users/jim/proj/fullstack/capstone_demoapp/app/views/bars/_bar.json.jbuilder
    1: #json.extract! bar, :id, :name, :created_at, :updated_at
    2:
    3: #json.id bar.id.to_s - added for error to debug
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    6: json.name bar.name
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    9: json.url bar_url(bar, format: :json)
(byebug) bar.id
BSON::ObjectId('58433ad38a6818114acde203')
```

```
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BSON::ObjectId('58433ad38a6818114acde203')
(byebug) continue

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   8: json.updated_at bar.updated_at
   9: json.url bar_url(bar, format: :json)
(byebug) bar.id
BSON::ObjectId('58433ad38a6818114acde203')
(byebug) next

[1, 9] in /Users/jim/proj/fullstack/capstone_demoapp/app/views/bars/_bar.json.jbuilder
   1: #json.extract! bar, :id, :name, :created_at, :updated_at
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   8: json.updated_at bar.updated_at
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```

```
ame: "test">
(byebug) @bar.id
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(byebug) continue

[1, 9] in /Users/jim/proj/fullstack/capstone_demoapp/app/views/bars/_bar.json.jbuilder
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(byebug) bar.id
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(byebug) next

[1, 9] in /Users/jim/proj/fullstack/capstone_demoapp/app/views/bars/_bar.json.jbuilder
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```

```
      9: json.url bar_url(bar, format: :json)
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BSON::ObjectId('58433ad38a6818114acde203')
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    3: #json.id bar.id.to_s - added for error to debug
    4: byebug
    5: json.id bar.id
=> 6: json.name bar.name
    7: json.created_at bar.created_at
    8: json.updated_at bar.updated_at
    9: json.url bar_url(bar, format: :json)
(byebug) json.id bar.id.to_s
"58433ad38a6818114acde203"
(byebug) list

[1, 9] in /Users/jim/proj/fullstack/capstone_demoapp/app/views/bars/_bar.json.jbuilder
    1: #json.extract! bar, :id, :name, :created_at, :updated_at
    2:
    3: #json.id bar.id.to_s - added for error to debug
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```

```
    9: json.url bar_url(bar, format: :json)
(byebug) bar.id
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[1, 9] in /Users/jim/proj/fullstack/capstone_demoapp/app/views/bars/_bar.json.jbuilder
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    7: json.created_at bar.created_at
    8: json.updated_at bar.updated_at
    9: json.url bar_url(bar, format: :json)
(byebug) json.id bar.id.to_s
"58433ad38a6818114acde203"
(byebug) list

[1, 9] in /Users/jim/proj/fullstack/capstone_demoapp/app/views/bars/_bar.json.jbuilder
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    2:
    3: #json.id bar.id.to_s - added for error to debug
    4: byebug
    5: json.id bar.id
=> 6: json.name bar.name
    7: json.created_at bar.created_at
    8: json.updated_at bar.updated_at
    9: json.url bar_url(bar, format: :json)
```

```
    8: json.updated_at bar.updated_at
    9: json.url bar_url(bar, format: :json)
(byebug) json.id bar.id.to_s
"58433ad38a6818114acde203"
(byebug) list

[1, 9] in /Users/jim/proj/fullstack/capstone_demoapp/app/views/bars/_bar.json.jbuilder
    1: #json.extract! bar, :id, :name, :created_at, :updated_at
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    3: #json.id bar.id.to_s - added for error to debug
    4: byebug
    5: json.id bar.id
=> 6: json.name bar.name
    7: json.created_at bar.created_at
    8: json.updated_at bar.updated_at
    9: json.url bar_url(bar, format: :json)
(byebug) continue

[37, 46] in /Users/jim/proj/fullstack/capstone_demoapp/spec/requests/api_developments_spec.rb
    37:        expect(bars_path).to eq("/api/bars")
    38:        get bar_path(object.id)
    39:        expect(response).to have_http_status(:ok)
    40:        expect(parsed_body["name"]).to eq("test")
    41:        expect(parsed_body).to include("created_at")
    42:        byebug
=> 43:        expect(parsed_body).to include("id"=>object.id.to_s)
    44:      end
    45:    end
    46: end
```

```
"58433ad38a6818114acde203"
(byebug) list

[1, 9] in /Users/jim/proj/fullstack/capstone_demoapp/app/views/bars/_bar.json.jbuilder
   1: #json.extract! bar, :id, :name, :created_at, :updated_at
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   3: #json.id bar.id.to_s - added for error to debug
   4: byebug
   5: json.id bar.id
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   8: json.updated_at bar.updated_at
   9: json.url bar_url(bar, format: :json)
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   42:        byebug
=> 43:        expect(parsed_body).to include("id"=>object.id.to_s)
   44:      end
   45:    end
   46: end
(byebug) parsed_body
{"id"=>"58433ad38a6818114acde203", "name"=>"test", "created_at"=>"2016-12-03T21:36:19.434Z", "updated_at"=>"2016
-12-03T21:36:19.434Z", "url"=>"http://www.example.com/api/bars/58433ad38a6818114acde203"}
```

```
3: #json.id bar.id.to_s - added for error to debug
4: byebug
5: json.id bar.id
=> 6: json.name bar.name
7: json.created_at bar.created_at
8: json.updated_at bar.updated_at
9: json.url bar_url(bar, format: :json)
(byebug) continue


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    37:         expect(bars_path).to eq("/api/bars")
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    39:         expect(response).to have_http_status(:ok)
    40:         expect(parsed_body["name"]).to eq("test")
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    42:         byebug
=> 43:         expect(parsed_body).to include("id"=>object.id.to_s)
    44:       end
    45:     end
    46: end
(byebug) parsed_body
{"id"=>"58433ad38a6818114acde203", "name"=>"test", "created_at"=>"2016-12-03T21:36:19.434Z", "updated_at"=>"2016
-12-03T21:36:19.434Z", "url"=>"http://www.example.com/api/bars/58433ad38a6818114acde203"}
(byebug) continue
    expose MongoDB-backed API resource


Finished in 1 minute 16.9 seconds (files took 1.61 seconds to load)
4 examples, 0 failures
```

```ruby
1
2 source 'https://rubygems.org'
3
4 gem 'rails', '4.2.6'
5 gem 'rails-api', '~>0.4', '>=0.4.0'
6 gem 'rack-cors', '~>0.4', '>=0.4.0', :require => 'rack/cors'
7
8 gem 'jbuilder', '~> 2.0', '>=2.6.0'
9
10 group :development do
11   gem 'spring', '~>2.0', '>=2.0.0'
12 end
13
14 group :development, :test do
15   gem 'webrick', '~>1.3', '>=1.3.1', :platforms=>[:mingw, :mswin, :x64_mingw, :jruby]
16   gem 'tzinfo-data', :platforms=>[:mingw, :mswin, :x64_mingw, :jruby]
17   gem 'byebug', '~>9.0', '>=9.0.6'
18   gem 'httparty', '~>0.14', '>=0.14.0'
19
20   gem 'rspec-rails', '~> 3.5', '>=3.5.2'
21 end
22
23 gem 'puma', '~>3.6', '>=3.6.0', :platforms=>:ruby
24 gem 'pg', '~>0.19', '>=0.19.0'
25 gem 'mongoid', '~>5.1', '>=5.1.5'
~
~
~
~
~
```

```ruby
#
source 'https://rubygems.org'

gem 'rails', '4.2.6'
gem 'rails-api', '~>0.4', '>=0.4.0'
gem 'pry-rails', '~>0.3', '>=0.3.4'
gem 'rack-cors', '~>0.4', '>=0.4.0', :require => 'rack/cors'


gem 'jbuilder', '~> 2.0', '>=2.6.0'

group :development do
  gem 'spring', '~>2.0', '>=2.0.0'
end

group :development, :test do
  gem 'webrick', '~>1.3', '>=1.3.1', :platforms=>[:mingw, :mswin, :x64_mingw, :jruby]
  gem 'tzinfo-data', :platforms=>[:mingw, :mswin, :x64_mingw, :jruby]
  gem 'byebug', '~>9.0', '>=9.0.6'
  gem 'httparty', '~>0.14', '>=0.14.0'

  gem 'rspec-rails', '~> 3.5', '>=3.5.2'
end

gem 'puma', '~>3.6', '>=3.6.0', :platforms=>:ruby
gem 'pg', '~>0.19', '>=0.19.0'
gem 'mongoid', '~>5.1', '>=5.1.5'
```

```ruby
#
source 'https://rubygems.org'

gem 'rails', '4.2.6'
gem 'rails-api', '~>0.4', '>=0.4.0'
gem 'pry-rails', '~>0.3', '>=0.3.4'
gem 'rack-cors', '~>0.4', '>=0.4.0', :require => 'rack/cors'

gem 'jbuilder', '~> 2.0', '>=2.6.0'

group :development do
  gem 'spring', '~>2.0', '>=2.0.0'
end

group :development, :test do
  gem 'webrick', '~>1.3', '>=1.3.1', :platforms=>[:mingw, :mswin, :x64_mingw, :jruby]
  gem 'tzinfo-data', :platforms=>[:mingw, :mswin, :x64_mingw, :jruby]
  gem 'byebug', '~>9.0', '>=9.0.6'
  gem 'httparty', '~>0.14', '>=0.14.0'

  gem 'rspec-rails', '~> 3.5', '>=3.5.2'
end

gem 'puma', '~>3.6', '>=3.6.0', :platforms=>:ruby
gem 'pg', '~>0.19', '>=0.19.0'
gem 'mongoid', '~>5.1', '>=5.1.5'
```
~
~
~

```
Jamess-MacBook-Pro:capstone_demoapp jim$ vi Gemfile
Jamess-MacBook-Pro:capstone_demoapp jim$ bundle
```

```
Using httparty 0.14.0
Using pry 0.10.4
Using rspec-core 3.5.4
Using rspec-expectations 3.5.0
Using rspec-mocks 3.5.0
Using activesupport 4.2.6
Using loofah 2.0.3
Using mail 2.6.4
Using pry-rails 0.3.4
Using rails-deprecated_sanitizer 1.0.3
Using globalid 0.3.7
Using activemodel 4.2.6
Using jbuilder 2.6.0
Using spring 2.0.0
Using rails-html-sanitizer 1.0.3
Using rails-dom-testing 1.0.7
Using activejob 4.2.6
Using activerecord 4.2.6
Using mongoid 5.1.5
Using actionview 4.2.6
Using actionpack 4.2.6
Using actionmailer 4.2.6
Using railties 4.2.6
Using sprockets-rails 3.2.0
Using rails-api 0.4.0
Using rspec-rails 3.5.2
Using rails 4.2.6
Bundle complete! 14 Gemfile dependencies, 60 gems now installed.
Use `bundle show [gemname]` to see where a bundled gem is installed.
```

```
Using rspec-expectations 3.5.0
Using rspec-mocks 3.5.0
Using activesupport 4.2.6
Using loofah 2.0.3
Using mail 2.6.4
Using pry-rails 0.3.4
Using rails-deprecated_sanitizer 1.0.3
Using globalid 0.3.7
Using activemodel 4.2.6
Using jbuilder 2.6.0
Using spring 2.0.0
Using rails-html-sanitizer 1.0.3
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Using activejob 4.2.6
Using activerecord 4.2.6
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Using actionview 4.2.6
Using actionpack 4.2.6
Using actionmailer 4.2.6
Using railties 4.2.6
Using sprockets-rails 3.2.0
Using rails-api 0.4.0
Using rspec-rails 3.5.2
Using rails 4.2.6
Bundle complete! 14 Gemfile dependencies, 60 gems now installed.
Use `bundle show [gemname]` to see where a bundled gem is installed.
Jamess-MacBook-Pro:capstone_demoapp jim$ rails c
Running via Spring preloader in process 5170
Loading development environment (Rails 4.2.6)
```

```
Running via Spring preloader in process 5170
Loading development environment (Rails 4.2.6)
[1] pry(main)> Bar.count
=> 3
[2] pry(main)> show-models
Foo
  id: integer
  name: string
  created_at: datetime
  updated_at: datetime
Bar
  _id: BSON::ObjectId
  created_at: Time
  name: String
  updated_at: Time
[3] pry(main)> show-routes
Prefix Verb     URI Pattern              Controller#Action
   foos GET     /api/foos(.:format)      foos#index {:format=>:json}
        POST    /api/foos(.:format)      foos#create {:format=>:json}
    foo GET     /api/foos/:id(.:format)  foos#show {:format=>:json}
        PATCH   /api/foos/:id(.:format)  foos#update {:format=>:json}
        PUT     /api/foos/:id(.:format)  foos#update {:format=>:json}
        DELETE  /api/foos/:id(.:format)  foos#destroy {:format=>:json}
   bars GET     /api/bars(.:format)      bars#index {:format=>:json}
        POST    /api/bars(.:format)      bars#create {:format=>:json}
    bar GET     /api/bars/:id(.:format)  bars#show {:format=>:json}
        PATCH   /api/bars/:id(.:format)  bars#update {:format=>:json}
        PUT     /api/bars/:id(.:format)  bars#update {:format=>:json}
        DELETE  /api/bars/:id(.:format)  bars#destroy {:format=>:json}
```

```
[2] pry(main)> show-models
Foo
  id: integer
  name: string
  created_at: datetime
  updated_at: datetime
Bar
  _id: BSON::ObjectId
  created_at: Time
  name: String
  updated_at: Time
[3] pry(main)> show-routes
Prefix Verb    URI Pattern              Controller#Action
  foos GET     /api/foos(.:format)      foos#index {:format=>:json}
       POST    /api/foos(.:format)      foos#create {:format=>:json}
   foo GET     /api/foos/:id(.:format)  foos#show {:format=>:json}
       PATCH   /api/foos/:id(.:format)  foos#update {:format=>:json}
       PUT     /api/foos/:id(.:format)  foos#update {:format=>:json}
       DELETE  /api/foos/:id(.:format)  foos#destroy {:format=>:json}
  bars GET     /api/bars(.:format)      bars#index {:format=>:json}
       POST    /api/bars(.:format)      bars#create {:format=>:json}
   bar GET     /api/bars/:id(.:format)  bars#show {:format=>:json}
       PATCH   /api/bars/:id(.:format)  bars#update {:format=>:json}
       PUT     /api/bars/:id(.:format)  bars#update {:format=>:json}
       DELETE  /api/bars/:id(.:format)  bars#destroy {:format=>:json}
[4] pry(main)> .rake
/Users/jim/.rbenv/versions/2.2.3/bin/ruby -I/Users/jim/.rbenv/versions/2.2.3/lib/ruby/gems/2.2.0/gems/rspec-core
-3.5.4/lib:/Users/jim/.rbenv/versions/2.2.3/lib/ruby/gems/2.2.0/gems/rspec-support-3.5.0/lib /Users/jim/.rbenv/v
ersions/2.2.3/lib/ruby/gems/2.2.0/gems/rspec-core-3.5.4/exe/rspec --pattern spec/\*\*\{,/\*/\*\*\}/\*_spec.rb
```

```
        POST    /api/bars(.:format)         bars#create {:format=>:json}
    bar GET     /api/bars/:id(.:format) bars#show {:format=>:json}
        PATCH   /api/bars/:id(.:format) bars#update {:format=>:json}
        PUT     /api/bars/:id(.:format) bars#update {:format=>:json}
        DELETE  /api/bars/:id(.:format) bars#destroy {:format=>:json}
[4] pry(main)> .rake
/Users/jim/.rbenv/versions/2.2.3/bin/ruby -I/Users/jim/.rbenv/versions/2.2.3/lib/ruby/gems/2.2.0/gems/rspec-core
-3.5.4/lib:/Users/jim/.rbenv/versions/2.2.3/lib/ruby/gems/2.2.0/gems/rspec-support-3.5.0/lib /Users/jim/.rbenv/v
ersions/2.2.3/lib/ruby/gems/2.2.0/gems/rspec-core-3.5.4/exe/rspec --pattern spec/\*\*\{,/\*/\*\*\}/\*_spec.rb


ApiDevelopments
  RDBMS-backed
    create RDBMS-backed model
    expose RDBMS-backed API resource
  MongoDB-backed
    create MongoDB-backed model
Return value is: nil


[7, 16] in /Users/jim/proj/fullstack/capstone_demoapp/app/controllers/bars_controller.rb
    7:     end
    8:
    9:    def show
   10:      #render json: @bar
   11:      byebug
=> 12:    end
   13:
   14:    def create
   15:      @bar = Bar.new(bar_params)
   16:
```

```
     bar GET    /api/bars/:id(.:format) bars#show {:format=>:json}
         PATCH  /api/bars/:id(.:format) bars#update {:format=>:json}
         PUT    /api/bars/:id(.:format) bars#update {:format=>:json}
         DELETE /api/bars/:id(.:format) bars#destroy {:format=>:json}
[4] pry(main)> .rake
/Users/jim/.rbenv/versions/2.2.3/bin/ruby -I/Users/jim/.rbenv/versions/2.2.3/lib/ruby/gems/2.2.0/gems/rspec-core
-3.5.4/lib:/Users/jim/.rbenv/versions/2.2.3/lib/ruby/gems/2.2.0/gems/rspec-support-3.5.0/lib /Users/jim/.rbenv/v
ersions/2.2.3/lib/ruby/gems/2.2.0/gems/rspec-core-3.5.4/exe/rspec --pattern spec/\*\*\{,/\*/\*\*\}/\*_spec.rb

ApiDevelopments
  RDBMS-backed
    create RDBMS-backed model
    expose RDBMS-backed API resource
  MongoDB-backed
    create MongoDB-backed model
Return value is: nil


[7, 16] in /Users/jim/proj/fullstack/capstone_demoapp/app/controllers/bars_controller.rb
    7:     end
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   10:       #render json: @bar
   11:       byebug
=> 12:     end
   13:
   14:     def create
   15:       @bar = Bar.new(bar_params)
   16:
(byebug) pry-shell
```

```
Return value is: nil

[7, 16] in /Users/jim/proj/fullstack/capstone_demoapp/app/controllers/bars_controller.rb
    7:    end
    8:
    9:    def show
   10:      #render json: @bar
   11:      byebug
=> 12:    end
   13:
   14:    def create
   15:      @bar = Bar.new(bar_params)
   16:
(byebug) pry-shell
[1] pry(#<BarsController>)> show-models
ActiveRecord::SchemaMigration
  version: string
Foo
  id: integer
  name: string
  created_at: datetime
  updated_at: datetime
DEPRECATION WARNING: ActiveRecord::Fixtures is deprecated! Use ActiveRecord::FixtureSet instead. (called from sh
ow at (byebug):1)
Bar
  _id: BSON::ObjectId
  created_at: Time
  name: String
  updated_at: Time
```

```
Return value is: nil

[7, 16] in /Users/jim/proj/fullstack/capstone_demoapp/app/controllers/bars_controller.rb
    7:     end
    8:
    9:     def show
   10:       #render json: @bar
   11:       byebug
=> 12:     end
   13:
   14:     def create
   15:       @bar = Bar.new(bar_params)
   16:
(byebug) pry-shell
[1] pry(#<BarsController>)> show-models
ActiveRecord::SchemaMigration
  version: string
Foo
  id: integer
  name: string
  created_at: datetime
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DEPRECATION WARNING: ActiveRecord::Fixtures is deprecated! Use ActiveRecord::FixtureSet instead. (called from sh
ow at (byebug):1)
Bar
  _id: BSON::ObjectId
  created_at: Time
  name: String
  updated_at: Time
```

```
ActiveModel::Validations#methods: errors  invalid?  validate  validates_with
ActiveModel::Validations::HelperMethods#methods:
  validates_absence_of      validates_confirmation_of  validates_inclusion_of      validates_size_of
  validates_acceptance_of  validates_exclusion_of      validates_numericality_of
ActiveModel::Conversion#methods: to_model  to_param  to_partial_path
ActiveModel::Serialization#methods: read_attribute_for_serialization
ActiveModel::Serializers::JSON#methods: from_json
ActiveModel::Serializers::Xml#methods: from_xml  to_xml
Mongoid::Atomic#methods:
  _updates                  atomic_attribute_name    atomic_pulls          delayed_atomic_sets
  add_atomic_pull          atomic_delete_modifier  atomic_pushes        delayed_atomic_unsets
  add_atomic_unset          atomic_insert_modifier  atomic_sets          flag_as_destroyed
  atomic_array_add_to_sets  atomic_path              atomic_unsets        flagged_destroys
  atomic_array_pulls        atomic_paths            atomic_updates        process_flagged_destroys
  atomic_array_pushes      atomic_position          delayed_atomic_pulls
Mongoid::Changeable#methods:
  changed   changed_attributes  children_changed?  post_persist      remove_change
  changed?  changes              move_changes      previous_changes  setters
Mongoid::Clients::Options#methods: persistence_options  with
Mongoid::Clients#methods: collection  collection_name  mongo_client
Mongoid::Attributes::Readonly#methods: attribute_writable?
Mongoid::Attributes::Processing#methods: process_attributes
Mongoid::Attributes#methods:
  □                    attributes=                  read_attribute_before_type_cast
  □=                    attributes_before_type_cast  remove_attribute
  assign_attributes    has_attribute?              write_attribute
  attribute_missing?  has_attribute_before_type_cast?  write_attributes
  attribute_present?  raw_attributes
  attributes          read_attribute
```

```
        changed    changed_attributes  children_changed?  post_persist      remove_change
        changed?   changes                  move_changes        previous_changes  setters
Mongoid::Clients::Options#methods: persistence_options  with
Mongoid::Clients#methods: collection  collection_name  mongo_client
Mongoid::Attributes::Readonly#methods: attribute_writable?
Mongoid::Attributes::Processing#methods: process_attributes
Mongoid::Attributes#methods:
  □                        attributes=                        read_attribute_before_type_cast
  □=                       attributes_before_type_cast    remove_attribute
  assign_attributes    has_attribute?                    write_attribute
  attribute_missing?   has_attribute_before_type_cast?  write_attributes
  attribute_present?   raw_attributes
  attributes           read_attribute
Mongoid::Fields#methods:
  apply_default   apply_post_processed_defaults  attribute_names       lazy_settable?
  apply_defaults  apply_pre_processed_defaults   database_field_name   using_object_ids?
#<Module:0x007fab7389fe60>#methods:
  _id                            created_at_was              reset_created_at_to_default!
  _id=                           created_at_will_change!     reset_name!
  _id?                           id                          reset_name_to_default!
  _id_before_type_cast           id=                         reset_updated_at!
  _id_change                     name                        reset_updated_at_to_default!
  _id_changed?                   name=                       updated_at
  _id_changed_from_default?      name?                       updated_at=
  _id_was                        name_before_type_cast       updated_at?
  _id_will_change!               name_change                 updated_at_before_type_cast
  created_at                     name_changed?               updated_at_change
  created_at=                    name_changed_from_default?  updated_at_changed?
[3] pry(#<BarsController>)> cd @bar
```

```
ActiveModel::Validations#methods: errors  invalid?  validate  validates_with
ActiveModel::Validations::HelperMethods#methods:
  validates_absence_of     validates_confirmation_of  validates_inclusion_of      validates_size_of
  validates_acceptance_of  validates_exclusion_of     validates_numericality_of
ActiveModel::Conversion#methods: to_model  to_param  to_partial_path
ActiveModel::Serialization#methods: read_attribute_for_serialization
ActiveModel::Serializers::JSON#methods: from_json
ActiveModel::Serializers::Xml#methods: from_xml  to_xml
Mongoid::Atomic#methods:
  _updates                  atomic_attribute_name   atomic_pulls          delayed_atomic_sets
  add_atomic_pull           atomic_delete_modifier  atomic_pushes         delayed_atomic_unsets
  add_atomic_unset          atomic_insert_modifier  atomic_sets           flag_as_destroyed
  atomic_array_add_to_sets  atomic_path             atomic_unsets         flagged_destroys
  atomic_array_pulls        atomic_paths            atomic_updates        process_flagged_destroys
  atomic_array_pushes       atomic_position         delayed_atomic_pulls
Mongoid::Changeable#methods:
  changed    changed_attributes  children_changed?   post_persist        remove_change
  changed?   changes             move_changes        previous_changes    setters
Mongoid::Clients::Options#methods: persistence_options  with
Mongoid::Clients#methods: collection  collection_name  mongo_client
Mongoid::Attributes::Readonly#methods: attribute_writable?
Mongoid::Attributes::Processing#methods: process_attributes
Mongoid::Attributes#methods:
  □                   attributes=                    read_attribute_before_type_cast
  □=                  attributes_before_type_cast    remove_attribute
  assign_attributes   has_attribute?                 write_attribute
  attribute_missing?  has_attribute_before_type_cast?  write_attributes
  attribute_present?  raw_attributes
  attributes          read_attribute
```

```
Jamess-MacBook-Pro:capstone_demoapp jim$
```

```ruby
1
2 source 'https://rubygems.org'
3
4 gem 'rails', '4.2.6'
5 gem 'rails-api', '~>0.4', '>=0.4.0'
6 gem 'pry-rails', '~>0.3', '>=0.3.4'
7 gem 'rack-cors', '~>0.4', '>=0.4.0', :require => 'rack/cors'
8
9 gem 'jbuilder', '~> 2.0', '>=2.6.0'
10
11 group :development do
12   gem 'spring', '~>2.0', '>=2.0.0'
13 end
14
15 group :development, :test do
16   gem 'webrick', '~>1.3', '>=1.3.1', :platforms=>[:mingw, :mswin, :x64_mingw, :jruby]
17   gem 'tzinfo-data', :platforms=>[:mingw, :mswin, :x64_mingw, :jruby]
18   gem 'byebug', '~>9.0', '>=9.0.6'
19   gem 'httparty', '~>0.14', '>=0.14.0'
20
21   gem 'rspec-rails', '~> 3.5', '>=3.5.2'
22 end
23
24 gem 'puma', '~>3.6', '>=3.6.0', :platforms=>:ruby
25 gem 'pg', '~>0.19', '>=0.19.0'
26 gem 'mongoid', '~>5.1', '>=5.1.5'
~
~
~
```

```ruby
#
source 'https://rubygems.org'

gem 'rails', '4.2.6'
gem 'rails-api', '~>0.4', '>=0.4.0'
gem 'pry-rails', '~>0.3', '>=0.3.4'
gem 'rack-cors', '~>0.4', '>=0.4.0', :require => 'rack/cors'

gem 'jbuilder', '~> 2.0', '>=2.6.0'

group :development do
  gem 'spring', '~>2.0', '>=2.0.0'
end

group :development, :test do
  gem 'webrick', '~>1.3', '>=1.3.1', :platforms=>[:mingw, :mswin, :x64_mingw, :jruby]
  gem 'tzinfo-data', :platforms=>[:mingw, :mswin, :x64_mingw, :jruby]
  gem 'byebug', '~>9.0', '>=9.0.6'
  gem 'pry-byebug', '~>3.4', '>=3.4.0'
  gem 'httparty', '~>0.14', '>=0.14.0'

  gem 'rspec-rails', '~> 3.5', '>=3.5.2'
end

gem 'puma', '~>3.6', '>=3.6.0', :platforms=>:ruby
gem 'pg', '~>0.19', '>=0.19.0'
gem 'mongoid', '~>5.1', '>=5.1.5'
~
~
```

```ruby
class BarsController < ApplicationController
  before_action :set_bar, only: [:show, :update, :destroy]

  def index
    @bars = Bar.all
    #render json: @bars
  end

  def show
    #render json: @bar
    byebug
  end

  def create
    @bar = Bar.new(bar_params)

    if @bar.save
      #render json: @bar, status: :created, location: @bar
      render :show, status: :created, location: @bar
    else
      render json: @bar.errors, status: :unprocessable_entity
    end
  end

  def update
    @bar = Bar.find(params[:id])

    if @bar.update(bar_params)
      head :no_content
```

```ruby
class BarsController < ApplicationController
  before_action :set_bar, only: [:show, :update, :destroy]

  def index
    @bars = Bar.all
    #render json: @bars
  end

  def show
    #render json: @bar
    bi
  end

  def create
    @bar = Bar.new(bar_params)

    if @bar.save
      #render json: @bar, status: :created, location: @bar
      render :show, status: :created, location: @bar
    else
      render json: @bar.errors, status: :unprocessable_entity
    end
  end

  def update
    @bar = Bar.find(params[:id])

    if @bar.update(bar_params)
      head :no_content
```

```ruby
class BarsController < ApplicationController
  before_action :set_bar, only: [:show, :update, :destroy]

  def index
    @bars = Bar.all
    #render json: @bars
  end

  def show
    #render json: @bar
    binding.pry
  end

  def create
    @bar = Bar.new(bar_params)

    if @bar.save
      #render json: @bar, status: :created, location: @bar
      render :show, status: :created, location: @bar
    else
      render json: @bar.errors, status: :unprocessable_entity
    end
  end

  def update
    @bar = Bar.find(params[:id])

    if @bar.update(bar_params)
      head :no_content
```

```
Jamess-MacBook-Pro:capstone_demoapp jim$ vi Gemfile
Jamess-MacBook-Pro:capstone_demoapp jim$ vi app/controllers/bars_controller.rb
Jamess-MacBook-Pro:capstone_demoapp jim$ rake
```

```
Jamess-MacBook-Pro:capstone_demoapp jim$ vi Gemfile
Jamess-MacBook-Pro:capstone_demoapp jim$ vi app/controllers/bars_controller.rb
Jamess-MacBook-Pro:capstone_demoapp jim$ rake
/Users/jim/.rbenv/versions/2.2.3/bin/ruby -I/Users/jim/.rbenv/versions/2.2.3/lib/ruby/gems/2.2.0/gems/rspec-core
-3.5.4/lib:/Users/jim/.rbenv/versions/2.2.3/lib/ruby/gems/2.2.0/gems/rspec-support-3.5.0/lib /Users/jim/.rbenv/v
ersions/2.2.3/lib/ruby/gems/2.2.0/gems/rspec-core-3.5.4/exe/rspec --pattern spec/\*\*\{,/\*/\*\*\}/\*_spec.rb

ApiDevelopments
  RDBMS-backed
    create RDBMS-backed model
    expose RDBMS-backed API resource
  MongoDB-backed
    create MongoDB-backed model

From: /Users/jim/proj/fullstack/capstone_demoapp/app/controllers/bars_controller.rb @ line 12 BarsController#sho
w:

    9: def show
   10:   #render json: @bar
   11:   binding.pry
=> 12: end

[1] pry(#<BarsController>)> █
```

```ruby
#
source 'https://rubygems.org'

gem 'rails', '4.2.6'
gem 'rails-api', '~>0.4', '>=0.4.0'
gem 'pry-rails', '~>0.3', '>=0.3.4'
gem 'rack-cors', '~>0.4', '>=0.4.0', :require => 'rack/cors'

gem 'jbuilder', '~> 2.0', '>=2.6.0'

group :development do
  gem 'spring', '~>2.0', '>=2.0.0'
end

group :development, :test do
  gem 'webrick', '~>1.3', '>=1.3.1', :platforms=>[:mingw, :mswin, :x64_mingw, :jruby]
  gem 'tzinfo-data', :platforms=>[:mingw, :mswin, :x64_mingw, :jruby]
  gem 'byebug', '~>9.0', '>=9.0.6'
  gem 'pry-byebug', '~>3.4', '>=3.4.0'
  gem 'httparty', '~>0.14', '>=0.14.0'

  gem 'rspec-rails', '~> 3.5', '>=3.5.2'
end

gem 'puma', '~>3.6', '>=3.6.0', :platforms=>:ruby
gem 'pg', '~>0.19', '>=0.19.0'
gem 'mongoid', '~>5.1', '>=5.1.5'
```
~
~

```ruby
#
source 'https://rubygems.org'

gem 'rails', '4.2.6'
gem 'rails-api', '~>0.4', '>=0.4.0'
gem 'pry-rails', '~>0.3', '>=0.3.4'
gem 'rack-cors', '~>0.4', '>=0.4.0', :require => 'rack/cors'

gem 'jbuilder', '~> 2.0', '>=2.6.0'

group :development do
  gem 'spring', '~>2.0', '>=2.0.0'
end

group :development, :test do
  gem 'webrick', '~>1.3', '>=1.3.1', :platforms=>[:mingw, :mswin, :x64_mingw, :jruby]
  gem 'tzinfo-data', :platforms=>[:mingw, :mswin, :x64_mingw, :jruby]
  gem 'byebug', '~>9.0', '>=9.0.6'
  gem 'pry-byebug', '~>3.4', '>=3.4.0'
  gem 'httparty', '~>0.14', '>=0.14.0'

  gem 'rspec-rails', '~> 3.5', '>=3.5.2'
end

gem 'puma', '~>3.6', '>=3.6.0', :platforms=>:ruby
gem 'pg', '~>0.19', '>=0.19.0'
gem 'mongoid', '~>5.1', '>=5.1.5'
```

```ruby
source 'https://rubygems.org'

gem 'rails', '4.2.6'
gem 'rails-api', '~>0.4', '>=0.4.0'
gem 'pry-rails', '~>0.3', '>=0.3.4'
gem 'rack-cors', '~>0.4', '>=0.4.0', :require => 'rack/cors'

gem 'jbuilder', '~> 2.0', '>=2.6.0'

group :development do
  gem 'spring', '~>2.0', '>=2.0.0'
end

group :development, :test do
  gem 'webrick', '~>1.3', '>=1.3.1', :platforms=>[:mingw, :mswin, :x64_mingw, :jruby]
  gem 'tzinfo-data', :platforms=>[:mingw, :mswin, :x64_mingw, :jruby]
  gem 'byebug', '~>9.0', '>=9.0.6'
  gem 'pry-byebug', '~>3.4', '>=3.4.0'
  gem 'httparty', '~>0.14', '>=0.14.0'

  gem 'rspec-rails', '~> 3.5', '>=3.5.2'
end

gem 'puma', '~>3.6', '>=3.6.0', :platforms=>:ruby
gem 'pg', '~>0.19', '>=0.19.0'
gem 'mongoid', '~>5.1', '>=5.1.5'
```

```ruby
#
source 'https://rubygems.org'

gem 'rails', '4.2.6'
gem 'rails-api', '~>0.4', '>=0.4.0'
gem 'pry-rails', '~>0.3', '>=0.3.4'
gem 'rack-cors', '~>0.4', '>=0.4.0', :require => 'rack/cors'

gem 'jbuilder', '~> 2.0', '>=2.6.0'

group :development do
  gem 'spring', '~>2.0', '>=2.0.0'
end

group :development, :test do
  gem 'webrick', '~>1.3', '>=1.3.1', :platforms=>[:mingw, :mswin, :x64_mingw, :jruby]
  gem 'tzinfo-data', :platforms=>[:mingw, :mswin, :x64_mingw, :jruby]
  gem 'byebug', '~>9.0', '>=9.0.6'
  gem 'pry-byebug', '~>3.4', '>=3.4.0'
  gem 'httparty', '~>0.14', '>=0.14.0'

  gem 'rspec-rails', '~> 3.5', '>=3.5.2'
end

group :production do
  gem 'rails_12factor', '~>0.0', '>= 0.0.3'
end

gem 'puma', '~>3.6', '>=3.6.0', :platforms=>:ruby
```

```
Jamess-MacBook-Pro:capstone_demoapp jim$ vi Gemfile
Jamess-MacBook-Pro:capstone_demoapp jim$ bunde
```

```
Using rails_12factor 0.0.3
Using rspec-core 3.5.4
Using rspec-expectations 3.5.0
Using rspec-mocks 3.5.0
Using activesupport 4.2.6
Using loofah 2.0.3
Using mail 2.6.4
Using pry-byebug 3.4.0
Using pry-rails 0.3.4
Using rails-deprecated_sanitizer 1.0.3
Using globalid 0.3.7
Using activemodel 4.2.6
Using jbuilder 2.6.0
Using spring 2.0.0
Using rails-html-sanitizer 1.0.3
Using rails-dom-testing 1.0.7
Using activejob 4.2.6
Using activerecord 4.2.6
Using mongoid 5.1.5
Using actionview 4.2.6
Using actionpack 4.2.6
Using actionmailer 4.2.6
Using railties 4.2.6
Using sprockets-rails 3.2.0
Using rails-api 0.4.0
Using rspec-rails 3.5.2
Using rails 4.2.6
Bundle complete! 16 Gemfile dependencies, 64 gems now installed.
Use `bundle show [gemname]` to see where a bundled gem is installed.
```

```ruby
source 'https://rubygems.org'

gem 'rails', '4.2.6'
gem 'rails-api', '~>0.4', '>=0.4.0'
gem 'pry-rails', '~>0.3', '>=0.3.4'
gem 'rack-cors', '~>0.4', '>=0.4.0', :require => 'rack/cors'

gem 'jbuilder', '~> 2.0', '>=2.6.0'

group :development do
  gem 'spring', '~>2.0', '>=2.0.0'
end

group :development, :test do
  gem 'webrick', '~>1.3', '>=1.3.1', :platforms=>[:mingw, :mswin, :x64_mingw, :jruby]
  gem 'tzinfo-data', :platforms=>[:mingw, :mswin, :x64_mingw, :jruby]
  gem 'byebug', '~>9.0', '>=9.0.6'
  gem 'pry-byebug', '~>3.4', '>=3.4.0'
  gem 'httparty', '~>0.14', '>=0.14.0'

  gem 'rspec-rails', '~> 3.5', '>=3.5.2'
end

group :production do
  gem 'rails_12factor', '~>0.0', '>= 0.0.3'
end

gem 'puma', '~>3.6', '>=3.6.0', :platforms=>:ruby
```

```ruby
 3
 4 gem 'rails', '4.2.6'
 5 gem 'rails-api', '~>0.4', '>=0.4.0'
 6 gem 'pry-rails', '~>0.3', '>=0.3.4'
 7 gem 'rack-cors', '~>0.4', '>=0.4.0', :require => 'rack/cors'
 8
 9 gem 'jbuilder', '~> 2.0', '>=2.6.0'
10
11 group :development do
12   gem 'spring', '~>2.0', '>=2.0.0'
13 end
14
15 group :development, :test do
16   gem 'webrick', '~>1.3', '>=1.3.1', :platforms=>[:mingw, :mswin, :x64_mingw, :jruby]
17   gem 'tzinfo-data', :platforms=>[:mingw, :mswin, :x64_mingw, :jruby]
18   gem 'sqlite3', '~>1.3', '>=1.3.12
19   gem 'byebug', '~>9.0', '>=9.0.6'
20   gem 'pry-byebug', '~>3.4', '>=3.4.0'
21   gem 'httparty', '~>0.14', '>=0.14.0'
22
23   gem 'rspec-rails', '~> 3.5', '>=3.5.2'
24 end
25
26 group :production do
27   gem 'rails_12factor', '~>0.0', '>= 0.0.3'
28 end
29
30 gem 'puma', '~>3.6', '>=3.6.0', :platforms=>:ruby
31 gem 'pg', '~>0.19', '>=0.19.0'
```

```ruby
 4 gem 'rails', '4.2.6'
 5 gem 'rails-api', '~>0.4', '>=0.4.0'
 6 gem 'pry-rails', '~>0.3', '>=0.3.4'
 7 gem 'rack-cors', '~>0.4', '>=0.4.0', :require => 'rack/cors'
 8
 9 gem 'jbuilder', '~> 2.0', '>=2.6.0'
10
11 group :development do
12   gem 'spring', '~>2.0', '>=2.0.0'
13 end
14
15 group :development, :test do
16   gem 'webrick', '~>1.3', '>=1.3.1', :platforms=>[:mingw, :mswin, :x64_mingw, :jruby]
17   gem 'tzinfo-data', :platforms=>[:mingw, :mswin, :x64_mingw, :jruby]
18   gem 'sqlite3', '~>1.3', '>=1.3.12'
19   gem 'byebug', '~>9.0', '>=9.0.6'
20   gem 'pry-byebug', '~>3.4', '>=3.4.0'
21   gem 'httparty', '~>0.14', '>=0.14.0'
22
23   gem 'rspec-rails', '~> 3.5', '>=3.5.2'
24 end
25
26 group :production do
27   gem 'rails_12factor', '~>0.0', '>= 0.0.3'
28 end
29
30 gem 'puma', '~>3.6', '>=3.6.0', :platforms=>:ruby
31 gem 'mongoid', '~>5.1', '>=5.1.5'
~
```

```ruby
 4 gem 'rails', '4.2.6'
 5 gem 'rails-api', '~>0.4', '>=0.4.0'
 6 gem 'pry-rails', '~>0.3', '>=0.3.4'
 7 gem 'rack-cors', '~>0.4', '>=0.4.0', :require => 'rack/cors'
 8
 9 gem 'jbuilder', '~> 2.0', '>=2.6.0'
10
11 group :development do
12   gem 'spring', '~>2.0', '>=2.0.0'
13 end
14
15 group :development, :test do
16   gem 'webrick', '~>1.3', '>=1.3.1', :platforms=>[:mingw, :mswin, :x64_mingw, :jruby]
17   gem 'tzinfo-data', :platforms=>[:mingw, :mswin, :x64_mingw, :jruby]
18   gem 'sqlite3', '~>1.3', '>=1.3.12'
19   gem 'byebug', '~>9.0', '>=9.0.6'
20   gem 'pry-byebug', '~>3.4', '>=3.4.0'
21   gem 'httparty', '~>0.14', '>=0.14.0'
22
23   gem 'rspec-rails', '~> 3.5', '>=3.5.2'
24 end
25
26 group :production do
27   gem 'rails_12factor', '~>0.0', '>= 0.0.3'
28   gem 'pg', '~>0.19', '>=0.19.0'
29 end
30
31 gem 'puma', '~>3.6', '>=3.6.0', :platforms=>:ruby
32 gem 'mongoid', '~>5.1', '>=5.1.5'
```

```
Jamess-MacBook-Pro:capstone_demoapp jim$ vi Gemfile
Jamess-MacBook-Pro:capstone_demoapp jim$ bundle 
```

```
Jamess-MacBook-Pro:capstone_demoapp jim$ vi Gemfile
Jamess-MacBook-Pro:capstone_demoapp jim$ bundle --without product
```

```
Jamess-MacBook-Pro:capstone_demoapp jim$ vi Gemfile
Jamess-MacBook-Pro:capstone_demoapp jim$ bundle --without production
```

```
Using rspec-core 3.5.4
Using rspec-expectations 3.5.0
Using rspec-mocks 3.5.0
Using activesupport 4.2.6
Using loofah 2.0.3
Using mail 2.6.4
Using pry-byebug 3.4.0
Using pry-rails 0.3.4
Using rails-deprecated_sanitizer 1.0.3
Using globalid 0.3.7
Using activemodel 4.2.6
Using jbuilder 2.6.0
Using spring 2.0.0
Using rails-html-sanitizer 1.0.3
Using rails-dom-testing 1.0.7
Using activejob 4.2.6
Using activerecord 4.2.6
Using mongoid 5.1.5
Using actionview 4.2.6
Using actionpack 4.2.6
Using actionmailer 4.2.6
Using railties 4.2.6
Using sprockets-rails 3.2.0
Using rails-api 0.4.0
Using rspec-rails 3.5.2
Using rails 4.2.6
Bundle complete! 17 Gemfile dependencies, 61 gems now installed.
Gems in the group production were not installed.
Use `bundle show [gemname]` to see where a bundled gem is installed.
```

Summary

✧ byebug

Summary

- ✧ byebug
- ✧ pry shell

Summary

✧ byebug

✧ pry shell

✧ rails_12factor

Summary

- ✧ byebug
- ✧ pry shell
- ✧ rails_12factor
- ✧ sqlite in development profile

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What's Next?

- ✧ API Deployment