

Bem-vindo!

ONE BIT CODE
PROGRAMAÇÃO ZEN!

OneBitTalk

TODA
5^a FEIRA
às
20h30
[ao vivo]

ONE BIT CODE
PROGRAMAÇÃO ZEN!

TUTORIAIS

TODA
6^a FEIRA
às
19h

Criando uma **API COMPLETA** **com** **RAILS**



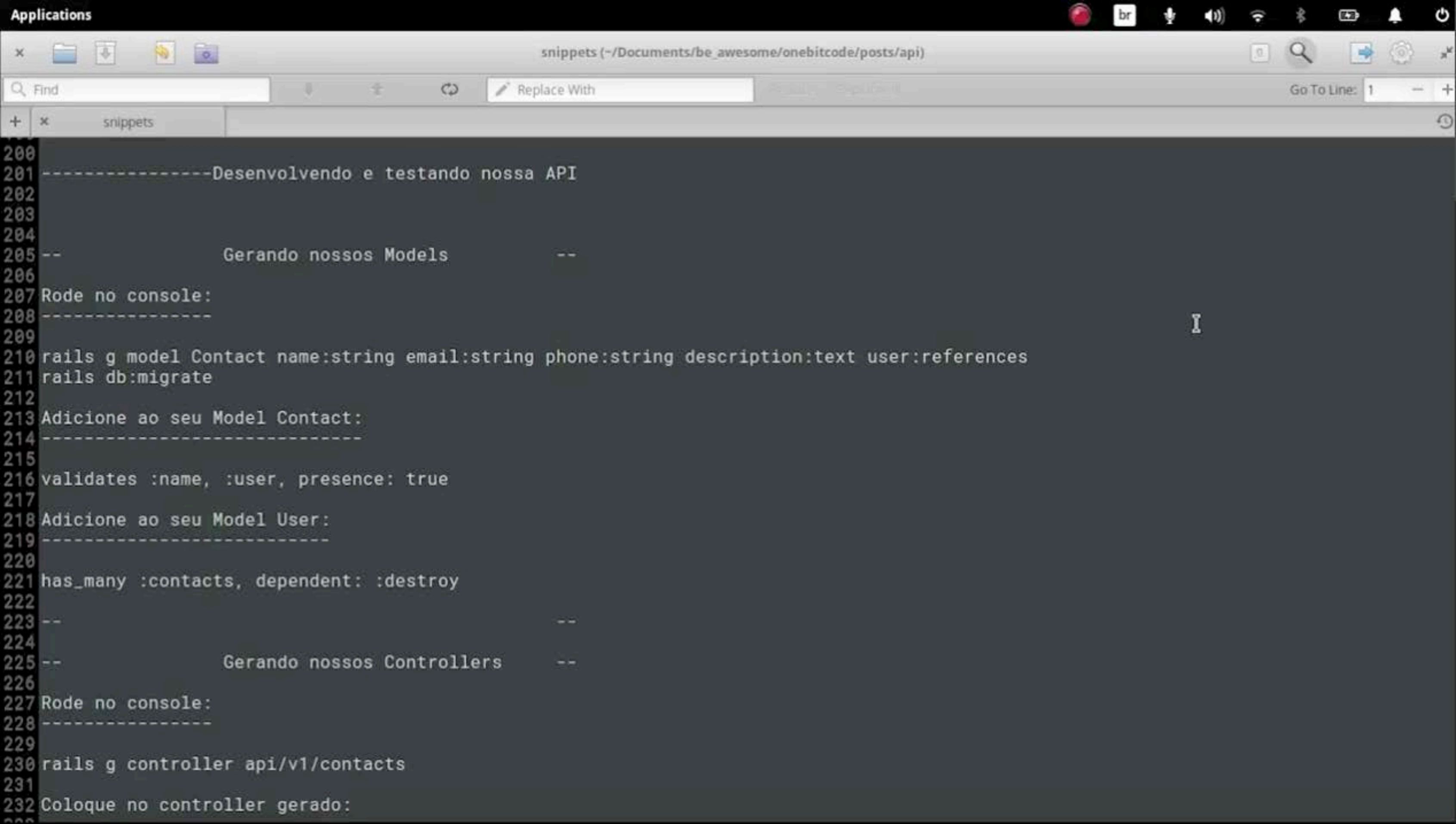


Parte 3:

Desenvolvendo e testando nossa API + Desafios finais

Programação e Tecnologia

posts, tutoriais, screencasts e cursos



leo@leo-K46CA: ~/Documents/be_awesome/onebitcode/posts/api/OneBitContacts

```
OneBitContacts git:(master) X rails g model Contact name:string email:string phone:string description:text user:references
Running via Spring preloader in process 16333
```

```
invoke active_record
```

```
db/migrate/20170904034152_create_contacts.rb
```

```
app/models/contact.rb
```

```
invoke test_unit test/models/contact_test.rb
```

```
test/fixtures/contacts.yml
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```
OneBitContacts git:(master) X
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leo@leo-K46CA: ~/Documents/be_awesome/onebitcode/posts/api/OneBitContacts
OneBitContacts git:(master) x rails g model Contact name:string email:string phone:string description:text user:references
Running via Spring preloader in process 16333
  invoke  active_record
         db/migrate/20170904034152_create_contacts.rb
         app/models/contact.rb
  invoke  test_unit
         test/models/contact_test.rb
         test/fixtures/contacts.yml
OneBitContacts git:(master) x
```

Gerando no console Models

Adicione ao seu Model Contact

```
validates :name, :email, :presence, :true
```

Adicione ao seu Model User

```
has_many :contacts, :dependent, :destroy
```

Gerando no console Controllers

Adicione no console

```
rails g controller api/v1/contacts
```

Coloque no controller gerado




```
snippets (~/.Documents/be_awesome/onebitcode/posts/api)
Find
Replace With
Go To Line: 1

+ x snippets

200 -----Desenvolvendo e testando nossa API
201
202
203
204
205 --                Gerando nossos Models                --
206
207 Rode no console:
208 -----
209
210 rails g model Contact name:string email:string phone:string description:text user:references
211 rails db:migrate
212
213 Adicione ao seu Model Contact:
214 -----
215
216 validates :name, :user, presence: true
217
218 Adicione ao seu Model User:
219 -----
220
221 has_many :contacts, dependent: :destroy
222
223 --                --
224
225 --                Gerando nossos Controllers                --
226
227 Rode no console:
228 -----
229
230 rails g controller api/v1/contacts
231
232 Coloque no controller gerado:
```

x

rails db:drop

rails db:drop 169x45

OneBitContacts git:(master) x rails db:drop

```
260
261 -----Desenvolvendo o testando nossa API
262
263
264
265 -----Gerando nossa Models
266
267 Roda no console
268 -----
269
270 rails g model Contact name:string email:string phone:string description:text user:references
271
272
273 -----Adicione no seu Model Contact
274
275
276 validates :name, :user, presence: true
277
278 -----Adicione no seu Model User
279
280
281 has_many :contacts, dependent: :destroy
282
283 -----
284
285 -----Gerando nossa Controllers
286
287 Roda no console
288 -----
289
290 rails g controller api/v1/contacts
291
292 Coloque no controller gerado
293
```

```
200 -----Desenvolvendo e testando nossa API
201
202
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204
205 -----Gerando nossa Model
206
207 Roda no console
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209
210 rails g model Contact name:string email:string phone:string description:text user:references
211
212
213 Adicione ao seu Model Contact
214
215
216 validates :name, :user, presence: true
217
218 Adicione ao seu Model User
219
220
221 has_many :contacts, dependent: :destroy
222
223
224
225 -----Gerando nossos Controllers
226
227 Roda no console
228
229
230 rails g controller api/v1/contacts
231
232 Coloque no controller gerado
```



leo@leo-K46CA: ~/Documents/be_awesome/onebitcode/posts/api/OneBitContacts

leo@leo-K46CA: ~/Documents/be_awesome/onebitcode/posts/api/OneBitContacts 169x45

```
OneBitContacts git:(master) X rails db:drop
Dropped database 'db/development.sqlite3'
Database 'db/test.sqlite3' does not exist
OneBitContacts git:(master) X rails db:migrate
== 20170904024357 DeviseCreateUsers: migrating =====
-- create_table(:users)
-> 0.0017s
-- add_index(:users, :email, {:unique=>true})
-> 0.0015s
-- add_index(:users, :reset_password_token, {:unique=>true})
-> 0.0010s
== 20170904024357 DeviseCreateUsers: migrated (0.0044s) =====

== 20170904024407 AddNameToUser: migrating =====
-- add_column(:users, :name, :string)
-> 0.0013s
== 20170904024407 AddNameToUser: migrated (0.0015s) =====

== 20170904024714 AddAuthenticationTokenToUsers: migrating =====
-- add_column(:users, :authentication_token, :string, {:limit=>30})
-> 0.0011s
-- add_index(:users, :authentication_token, {:unique=>true})
-> 0.0019s
== 20170904024714 AddAuthenticationTokenToUsers: migrated (0.0032s) =====

== 20170904034152 CreateContacts: migrating =====
-- create_table(:contacts)
-> 0.0033s
== 20170904034152 CreateContacts: migrated (0.0035s) =====
```

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OneBitContacts git:(master) X
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```
221 rails g controller api/v1/contacts
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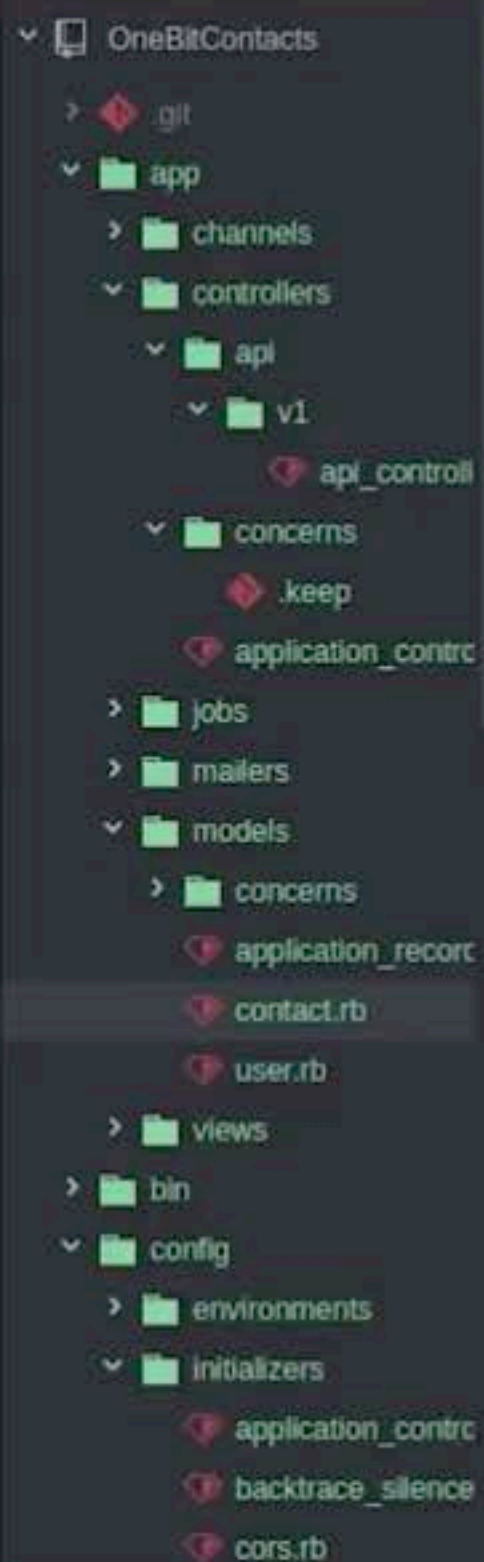
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```
200 -----Desenvolvendo e testando nossa API
201
202
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205 --                Gerando nossos Models                --
206
207 Rode no console:
208 -----
209
210 rails g model Contact name:string email:string phone:string description:text user:references
211 rails db:migrate
212
213 Adicione ao seu Model Contact:
214 -----
215
216 validates :name, :user, presence: true
217
218 Adicione ao seu Model User:
219 -----
220
221 has_many :contacts, dependent: :destroy
222
223 --                --
224
225 --                Gerando nossos Controllers                --
226
227 Rode no console:
228 -----
229
230 rails g controller api/v1/contacts
231
232 Coloque no controller gerado:
```



```
1 class Contact < ApplicationRecord
2   belongs_to :user
3   validates :name, :user, presence: true
4 end
5
```

```
snippets (~/.Documents/be_awesome/onebitcode/posts/api)

Find
Replace With
Go To Line: 1

+ snippets
211 rails db:migrate
212
213 Adicione ao seu Model Contact:
214 -----
215
216 validates :name, :user, presence: true
217
218 Adicione ao seu Model User:
219 -----
220
221 has_many :contacts, dependent: :destroy
222
223 -- --
224
225 -- Gerando nossos Controllers --
226
227 Rode no console:
228 -----
229
230 rails g controller api/v1/contacts
231
232 Coloque no controller gerado:
233 -----
234
235 class Api::V1::ContactsController < Api::V1::ApiController
236   before_action :set_contact, only: [:show, :update, :destroy]
237   before_action :require_authorization!, only: [:show, :update, :destroy]
238
239   # GET /api/v1/contacts
240   def index
241     @contacts = current_user.contacts
242
243     render json: @contacts
244   end
end
```



OneBitContacts

- > .git
- > app
 - > channels
 - > controllers
 - > api
 - > v1
 - api_controller.rb
 - > concerns
 - .keep
 - application_controller.rb
 - > jobs
 - > mailers
 - > models
 - > concerns
 - application_record.rb
 - contact.rb
 - user.rb
 - > views
 - > bin
 - > config
 - > environments
 - > initializers
 - application_controller.rb
 - backtrace_silence
 - cors.rb

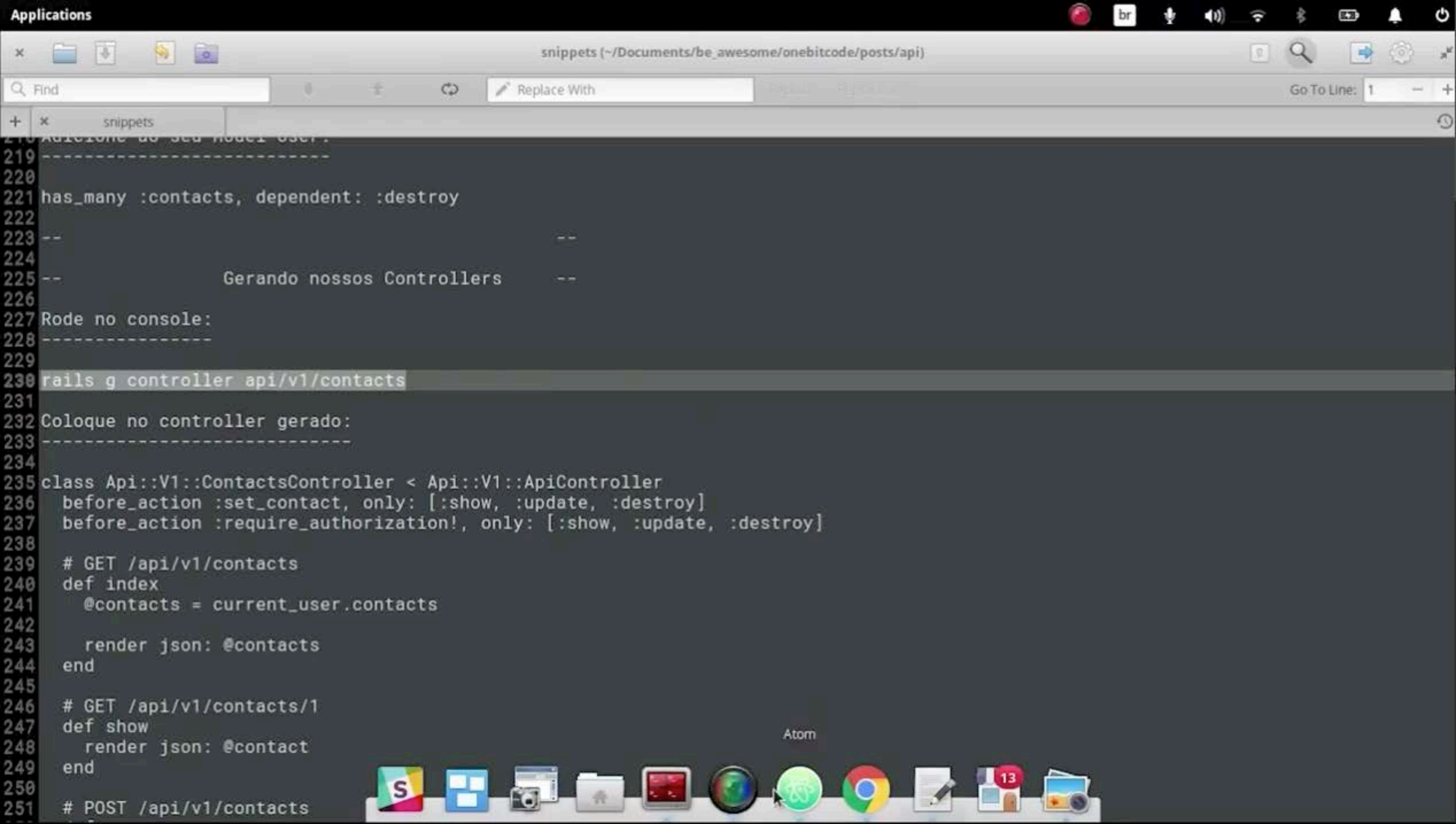
```
1 class User < ApplicationRecord
2   acts_as_token_authenticatable
3   # Include default devise modules. Others available are:
4   # :confirmable, :lockable, :timeoutable and :omniauthable
5   devise :database_authenticatable, :registerable,
6         :recoverable, :rememberable, :trackable, :validatable
7
8   has_many :contacts, dependent: :destroy
9 end
10
```



```
leo@leo-K46CA: ~/Documents/be_awesome/onebitcode/posts/api/OneBitContacts
OneBitContacts git:(master) X
```

```
219
220
221 has_many :contacts, dependent: :destroy
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235
236 class Api::V1::ContactsController < Api::V1::ApiController
237   before_action :set_contact, only: [:show, :update, :destroy]
238   before_action :require_authorization, only: [:show, :update, :destroy]
239
240   # GET /api/v1/contacts
241   def index
242     @contacts = current_user.contacts
243     render json: @contacts
244   end
245
246   # GET /api/v1/contacts/:id
247   def show
248     render json: @contact
249   end
250
251   # POST /api/v1/contacts
```





x

leo@leo-K46CA: ~/Documents/be_awesome/onebitcode/posts/api/OneBitContacts

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leo@leo-K46CA: ~/Documents/be_awesome/onebitcode/posts/api/OneBitContacts 169x45

OneBitContacts git:(master) X rails g controller api/v1/contacts

Running via Spring preloader in process 16569

app/controllers/api/v1/contacts_controller.rb

invoke test_unit

test/controllers/api/v1/contacts_controller_test.rb

OneBitContacts git:(master) X

221 has_many :contacts, dependent: :destroy

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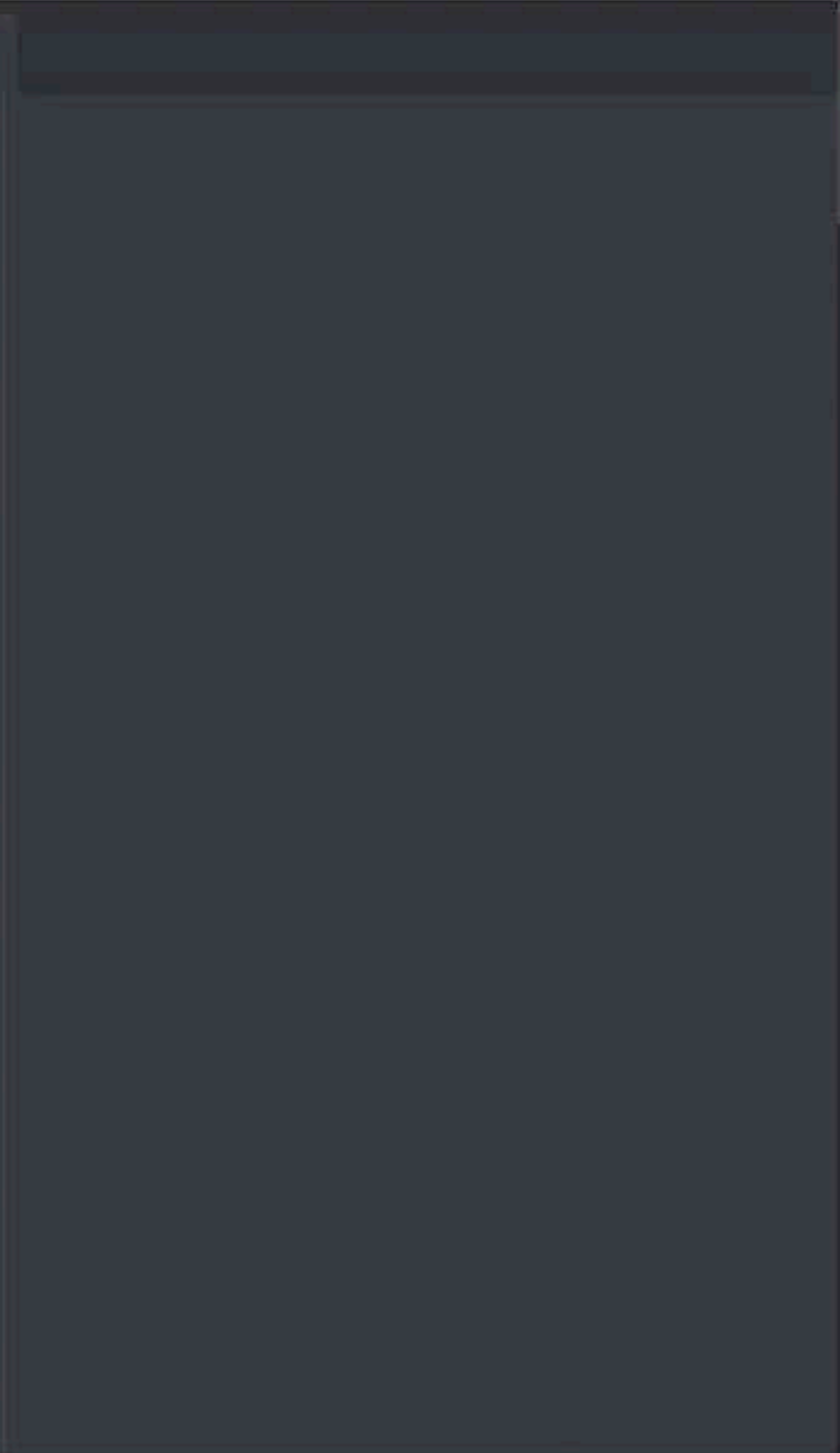
617

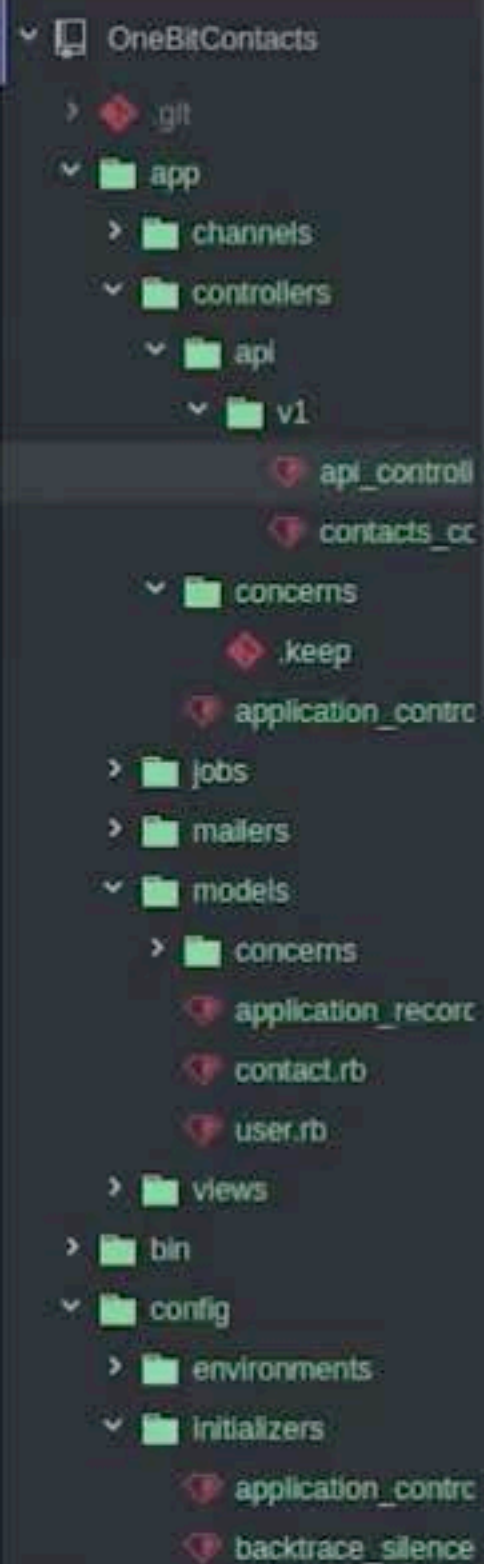
618

OneBitContacts

- > .git
- > app
 - > channels
 - > controllers
 - > api
 - > v1
 - api_controll
 - contacts_cc
 - concerns
 - .keep
 - application_contro
 - > jobs
 - > mailers
 - > models
 - > concerns
 - application_recorc
 - contact.rb
 - user.rb
 - > views
 - > bin
 - > config
 - > environments
 - > initializers
 - application_contro
 - backtrace_silence

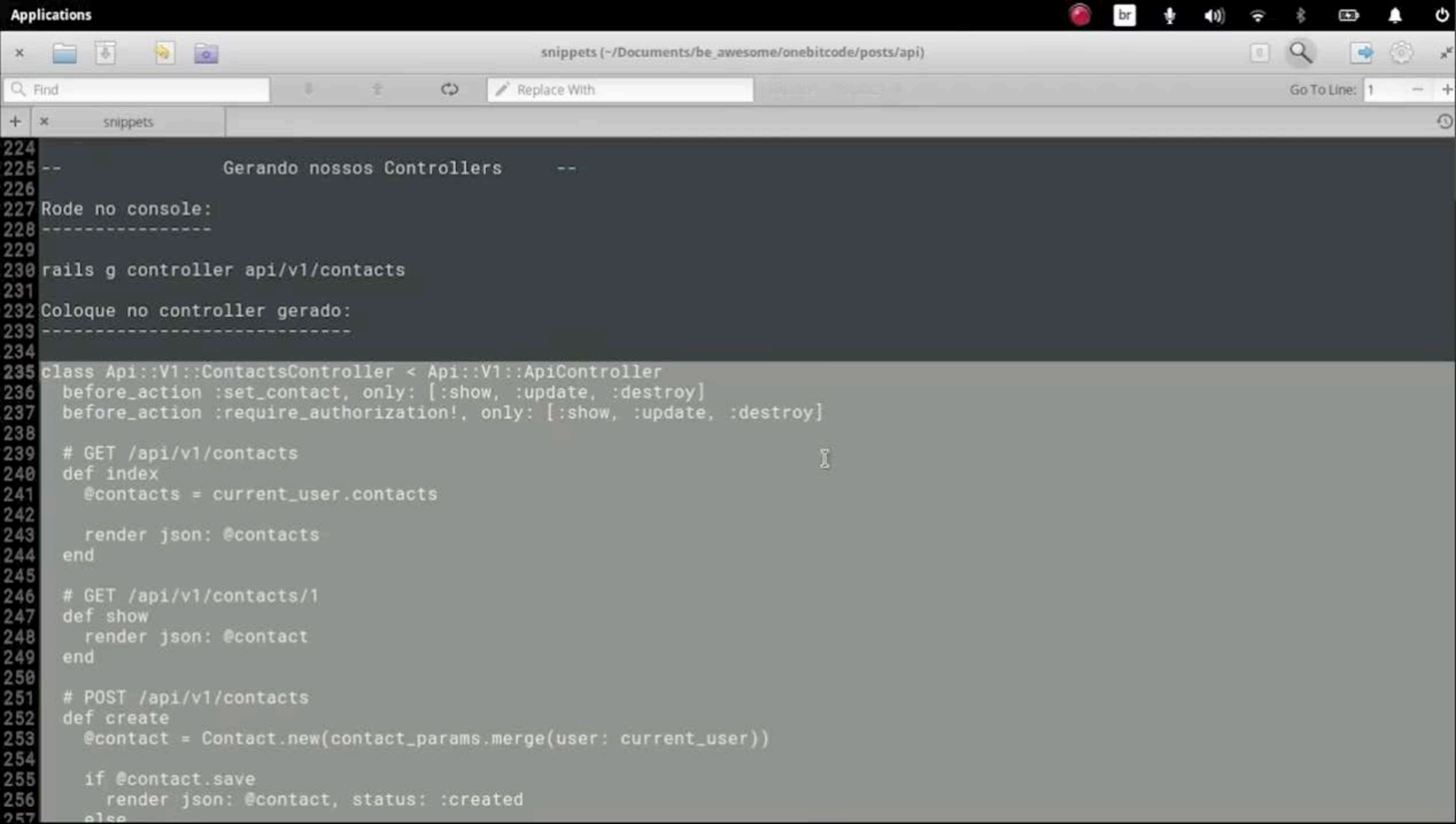
```
1 class Api::V1::ContactsController < ApplicationController
2 end
3
```

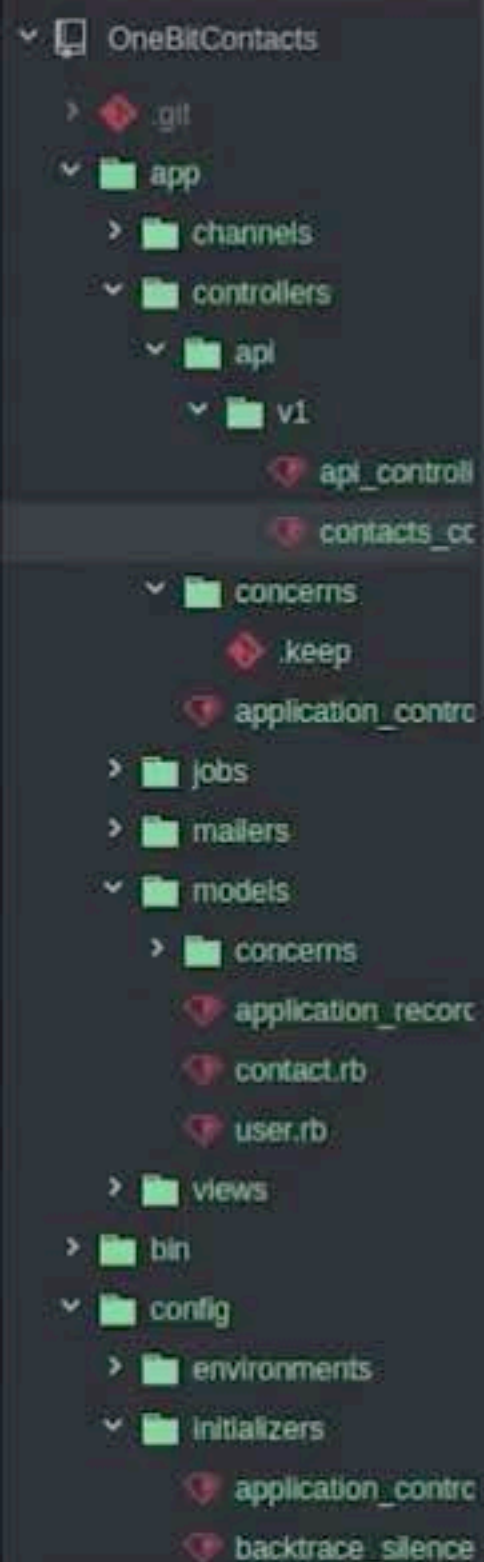




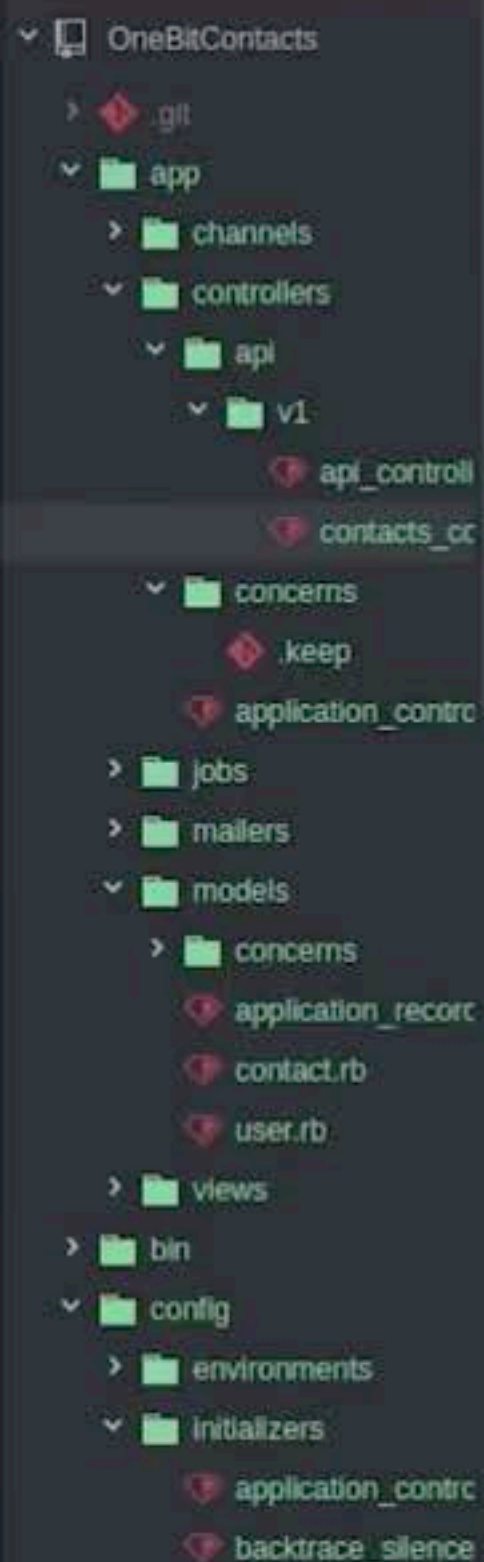
```
1 module Api::V1
2   class ApiController < ApplicationController
3     acts_as_token_authentication_handler_for User
4     before_action :require_authentication!
5
6
7     private
8     def require_authentication!
9       throw(:warden, scope: :user) unless current_user.presence
10    end
11  end
12 end
13
```



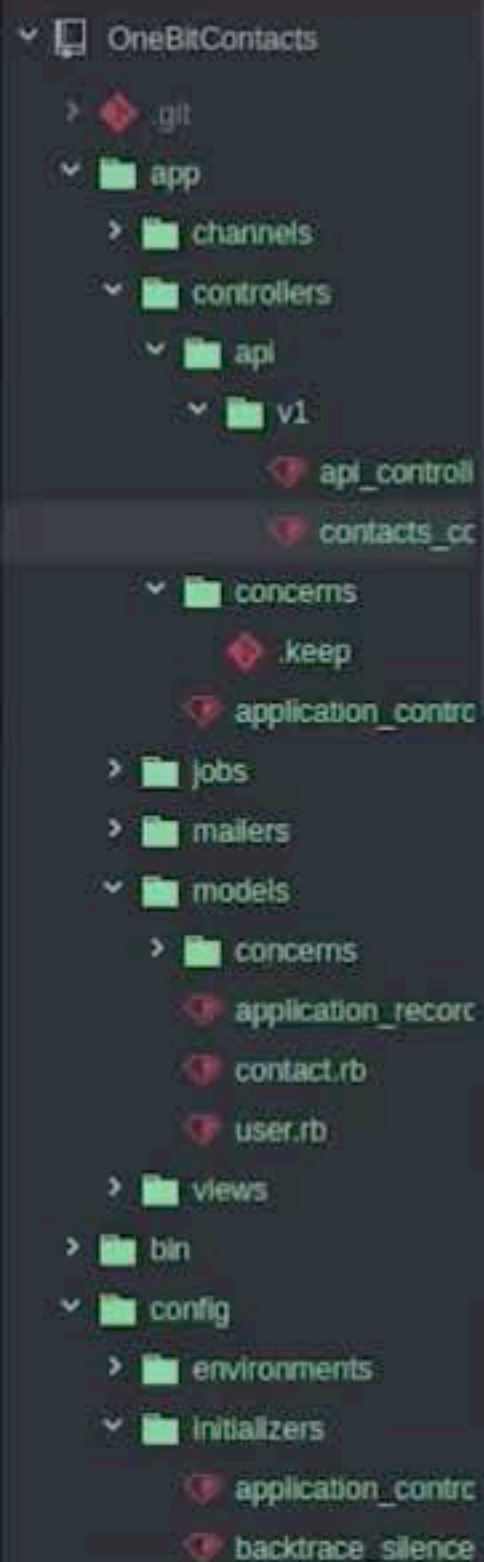




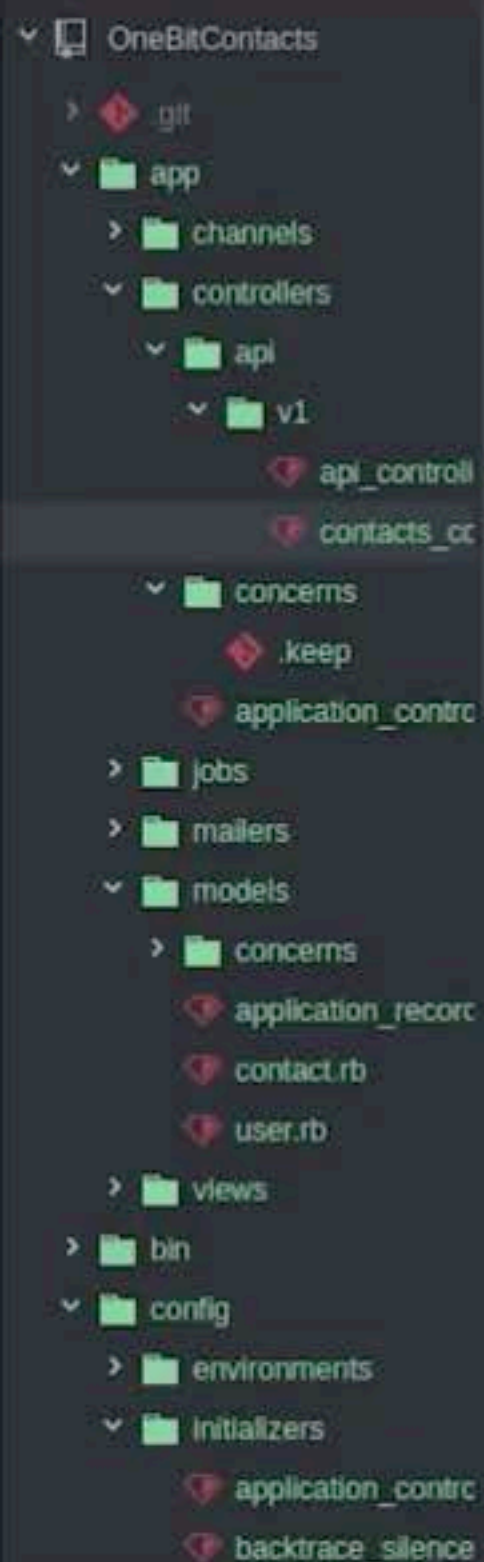
```
1 class Api::V1::ContactsController < Api::V1::ApiController
2   before_action :set_contact, only: [:show, :update, :destroy]
3   before_action :require_authorization!, only: [:show, :update, :destroy]
4
5   # GET /api/v1/contacts
6   def index
7     @contacts = current_user.contacts
8
9     render json: @contacts
10  end
11
12  # GET /api/v1/contacts/1
13  def show
14    render json: @contact
15  end
16
17  # POST /api/v1/contacts
18  def create
19    @contact = Contact.new(contact_params.merge(user: current_user))
20
21    if @contact.save
22      render json: @contact, status: :created
23    else
24      render json: @contact.errors, status: :unprocessable_entity
25    end
26  end
27
28  # PATCH/PUT /api/v1/contacts/1
```



```
1 class Api::V1::ContactsController < Api::V1::ApiController
2   before_action :set_contact, only: [:show, :update, :destroy]
3   before_action :require_authorization!, only: [:show, :update, :destroy]
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5   # GET /api/v1/contacts
6   def index
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8
9     render json: @contacts
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13   def show
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```

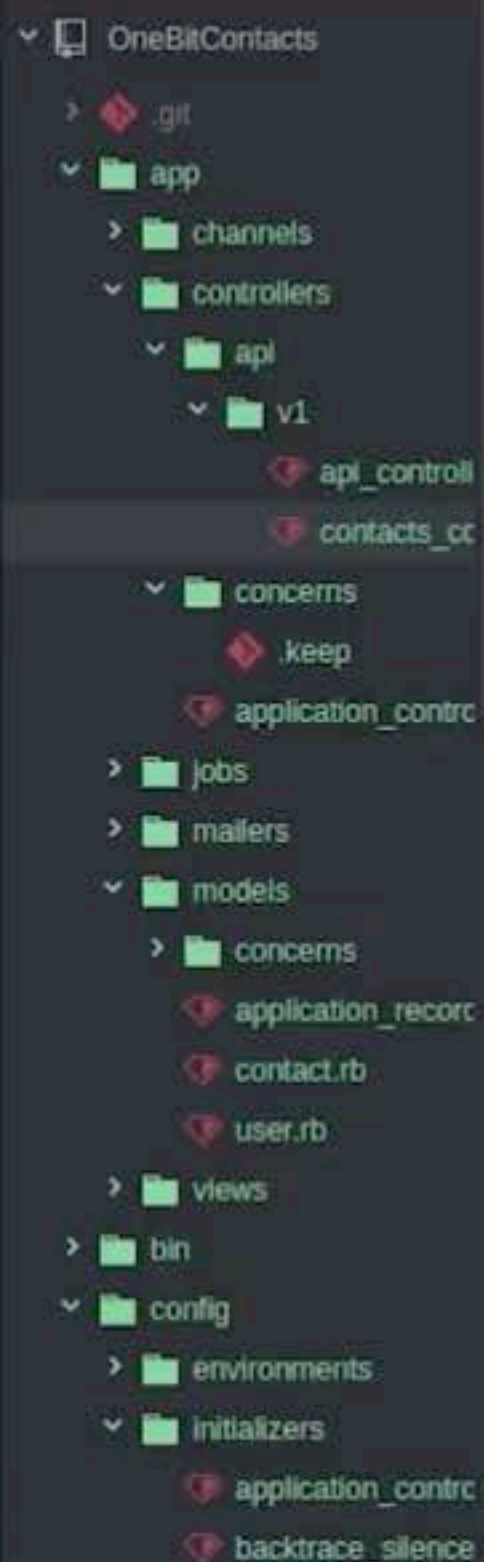



```
1 before_action :require_authorization!, only: [:show, :update, :destroy]
2
3
4
5 # GET /api/v1/contacts
6 def index
7   @contacts = current_user.contacts
8
9   render json: @contacts
10 end
11
12 # GET /api/v1/contacts/1
13 def show
14   render json: @contact
15 end
16
17 # POST /api/v1/contacts
18 def create
19   @contact = Contact.new(contact_params.merge(user: current_user))
20
21   if @contact.save
22     render json: @contact, status: :created
23   else
24     render json: @contact.errors, status: :unprocessable_entity
25   end
26 end
27
28 # PATCH/PUT /api/v1/contacts/1
29 def update
30   if @contact.update(contact_params)
```

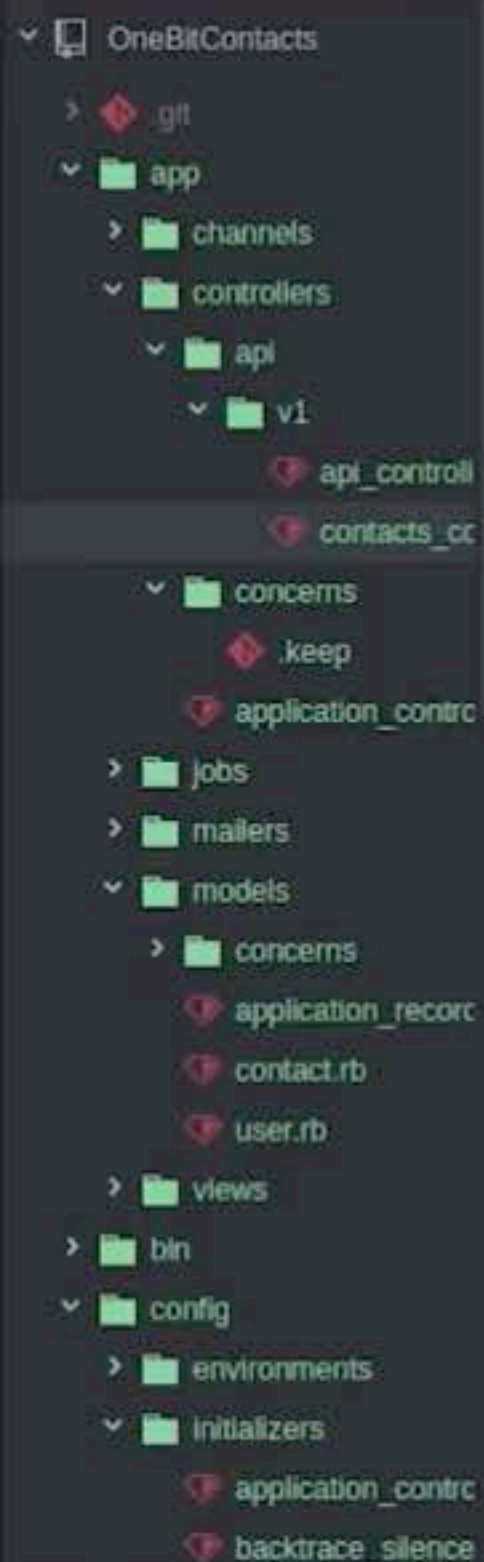


```
contact.rb  user.rb  contacts_controller.rb

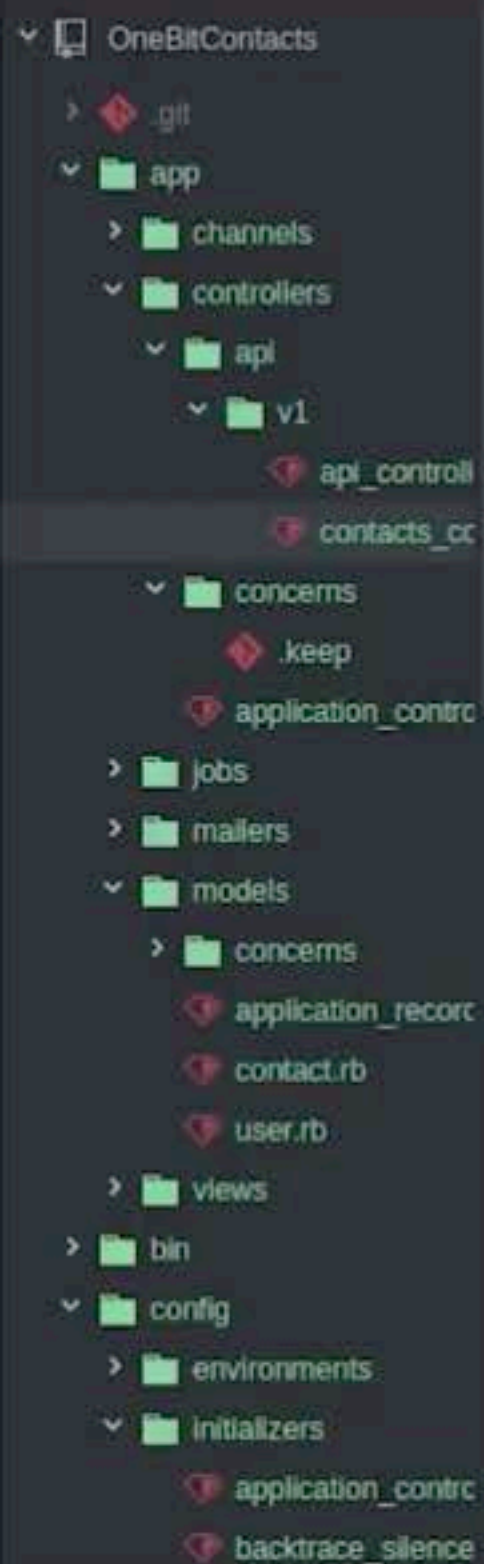
8
9   render json: @contacts
10 end
11
12 # GET /api/v1/contacts/1
13 def show
14   render json: @contact
15 end
16
17 # POST /api/v1/contacts
18 def create
19   @contact = Contact.new(contact_params.merge(user: current_user))
20
21   if @contact.save
22     render json: @contact, status: :created
23   else
24     render json: @contact.errors, status: :unprocessable_entity
25   end
26 end
27
28 # PATCH/PUT /api/v1/contacts/1
29 def update
30   if @contact.update(contact_params)
31     render json: @contact
32   else
33     render json: @contact.errors, status: :unprocessable_entity
34   end
35 end
```

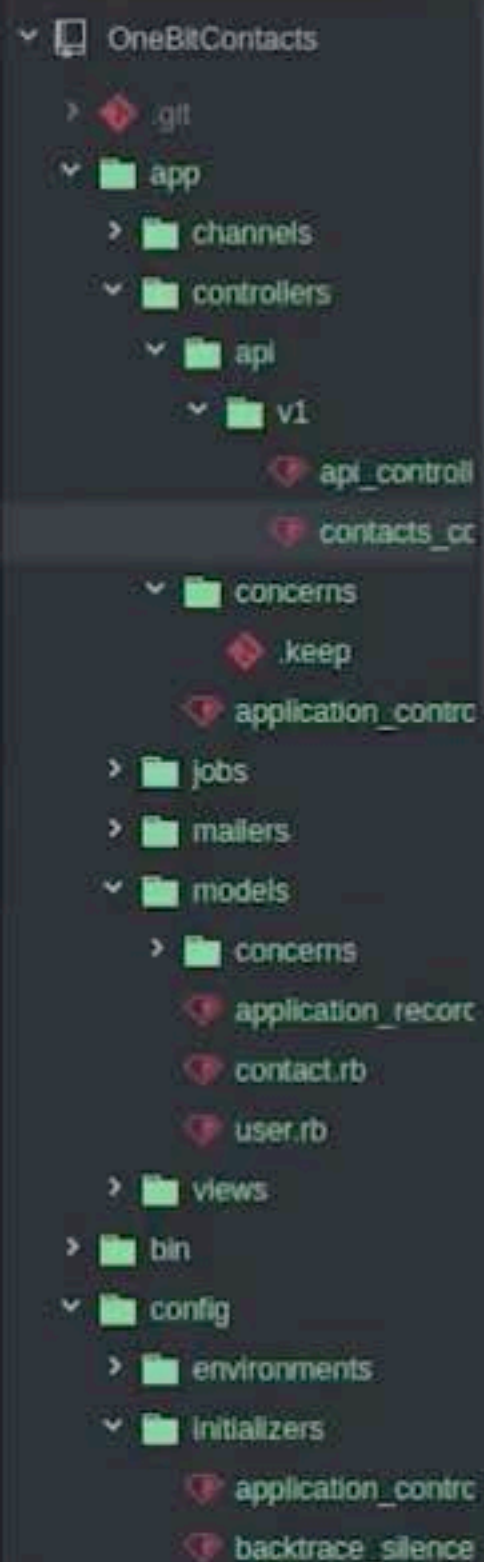
```
14   render json: @contact
15 end
16
17 # POST /api/v1/contacts
18 def create
19   @contact = Contact.new(contact_params.merge(user: current_user))
20
21   if @contact.save
22     render json: @contact, status: :created
23   else
24     render json: @contact.errors, status: :unprocessable_entity
25   end
26 end
27
28 # PATCH/PUT /api/v1/contacts/1
29 def update
30   if @contact.update(contact_params)
31     render json: @contact
32   else
33     render json: @contact.errors, status: :unprocessable_entity
34   end
35 end
36
37 # DELETE /api/v1/contacts/1
38 def destroy
39   @contact.destroy
40 end
41
```



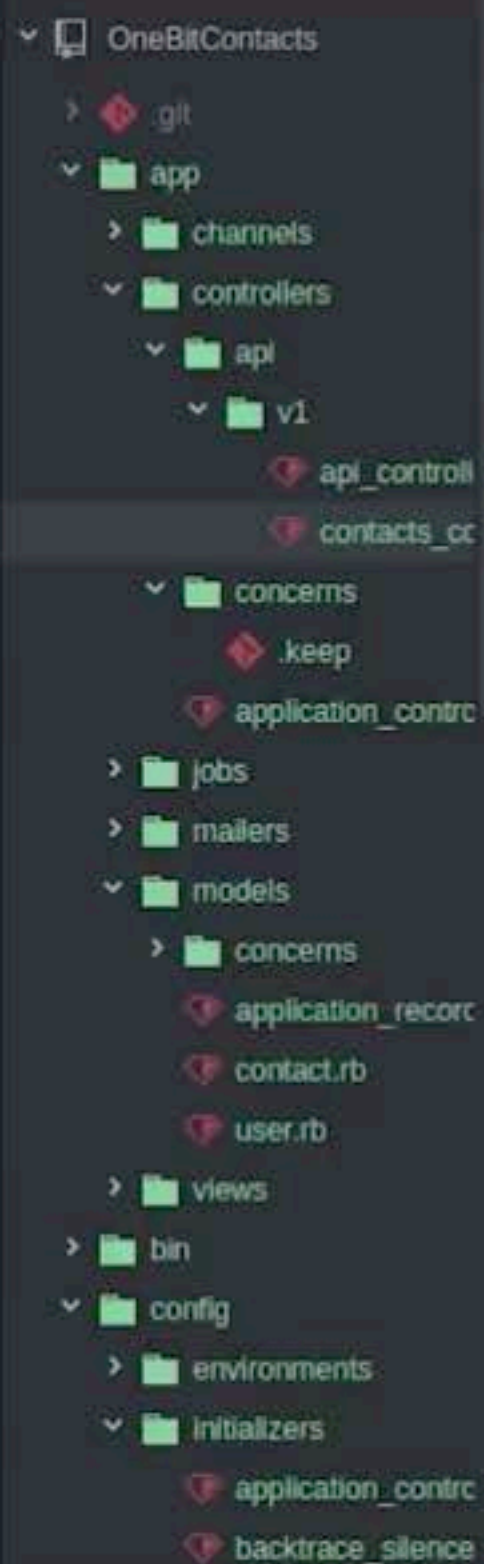
```
25     end
26   end
27
28   # PATCH/PUT /api/v1/contacts/1
29   def update
30     if @contact.update(contact_params)
31       render json: @contact
32     else
33       render json: @contact.errors, status: :unprocessable_entity
34     end
35   end
36
37   # DELETE /api/v1/contacts/1
38   def destroy
39     @contact.destroy
40   end
41
42   private
43   # Use callbacks to share common setup or constraints between actions.
44   def set_contact
45     @contact = Contact.find(params[:id])
46   end
47
48   # Only allow a trusted parameter "white list" through.
49   def contact_params
50     params.require(:contact).permit(:name, :email, :phone, :description)
51   end
```

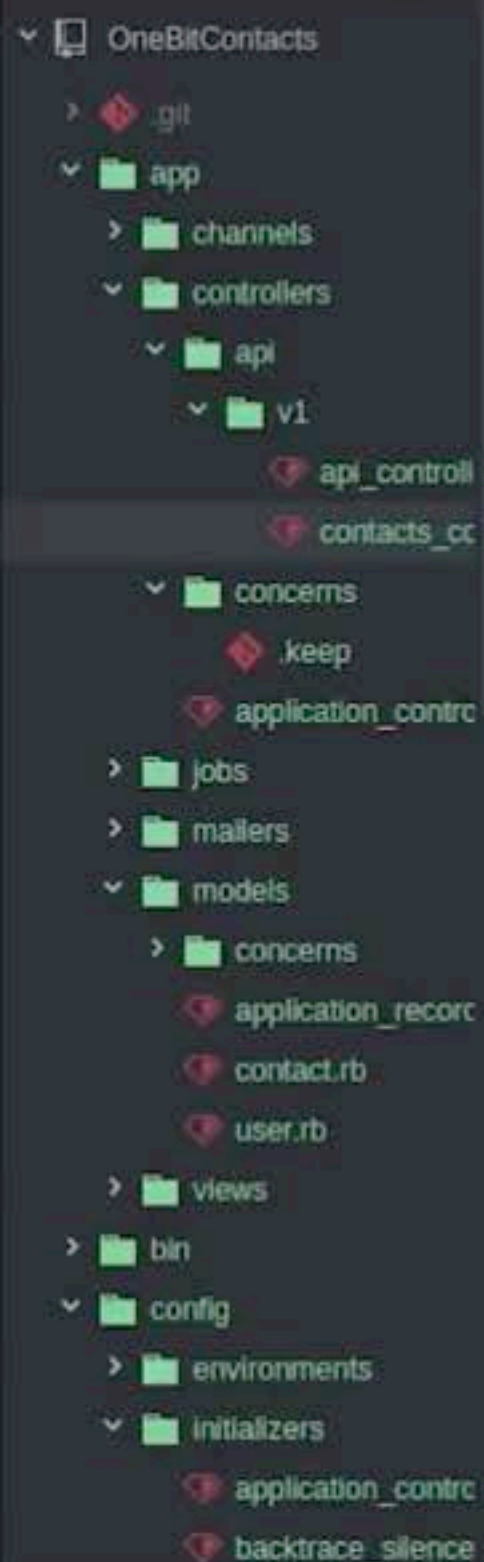
```
32 else
33   render json: @contact.errors, status: :unprocessable_entity
34 end
35 end
36
37 # DELETE /api/v1/contacts/1
38 def destroy
39   @contact.destroy
40 end
41
42 private
43 # Use callbacks to share common setup or constraints between actions.
44 def set_contact
45   @contact = Contact.find(params[:id])
46 end
47
48 # Only allow a trusted parameter "white list" through.
49 def contact_params
50   params.require(:contact).permit(:name, :email, :phone, :description)
51 end
52
53 def require_authorization!
54   unless current_user == @contact.user
55     render json: {}, status: :forbidden
56   end
57 end
58 end
```



```
1  # GET /api/v1/contacts/1
2
3  render json: @contacts
4
5  end
6
7  # GET /api/v1/contacts/1
8
9  def show
10   render json: @contact
11 end
12
13 # POST /api/v1/contacts
14 def create
15   @contact = Contact.new(contact_params.merge(user: current_user))
16
17   if @contact.save
18     render json: @contact, status: :created
19   else
20     render json: @contact.errors, status: :unprocessable_entity
21   end
22 end
23
24 # PATCH/PUT /api/v1/contacts/1
25 def update
26   if @contact.update(contact_params)
27     render json: @contact
28   else
29     render json: @contact.errors, status: :unprocessable_entity
30   end
31 end
```

```
14   render json: @contact
15   end
16
17   # POST /api/v1/contacts
18   def create
19     @contact = Contact.new(contact_params.merge(user: current_user))
20
21     if @contact.save
22       render json: @contact, status: :created
23     else
24       render json: @contact.errors, status: :unprocessable_entity
25     end
26   end
27
28   # PATCH/PUT /api/v1/contacts/1
29   def update
30     if @contact.update(contact_params)
31       render json: @contact
32     else
33       render json: @contact.errors, status: :unprocessable_entity
34     end
35   end
36
37   # DELETE /api/v1/contacts/1
38   def destroy
39     @contact.destroy
40   end
41
```



```
1 class Api::V1::ContactsController < Api::V1::ApiController
2   before_action :set_contact, only: [:show, :update, :destroy]
3   before_action :require_authorization!, only: [:show, :update, :destroy]
4
5   # GET /api/v1/contacts
6   def index
7     @contacts = current_user.contacts
8
9     render json: @contacts
10  end
11
12  # GET /api/v1/contacts/1
13  def show
14    render json: @contact
15  end
16
17  # POST /api/v1/contacts
18  def create
19    @contact = Contact.new(contact_params.merge(user: current_user))
20
21    if @contact.save
22      render json: @contact, status: :created
23    else
24      render json: @contact.errors, status: :unprocessable_entity
25    end
26  end
27
28  # PATCH/PUT /api/v1/contacts/1
```


snippets (~/.Documents/be_awesome/onebitcode/posts/api)

Find Replace With Go To Line: 1

snippets

```
289     render json: {}, status: :forbidden
290   end
291 end
292 end
293
294 --
295
296 --           Ajustando as Rotas           --
297
298 Coloque em routes.rb:
299 -----
300
301 namespace :api do
302   namespace :v1 do
303     resources :contacts
304   end
305 end
306
307 # constraints subdomain: 'api' do
308 #   scope module: 'api' do
309 #     namespace :v1 do
310 #       resources :contacts
311 #     end
312 #   end
313 # end
314
315 --
316
317 --           Testando nossos endpoints           --
318
319 Go to Postman
320
321 --
322
```

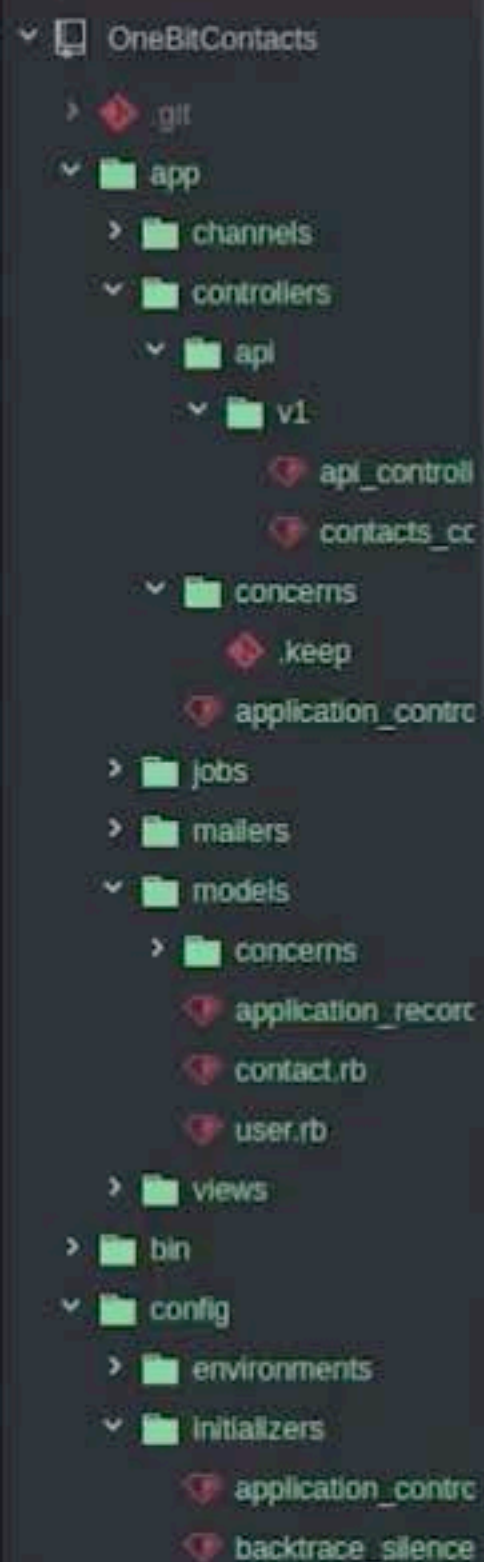
```
1 Rails.application.routes.draw do
2   devise_for :users
3   # For details on the DSL available within this file see http://guides.rubyonrails.org/routing.html
4 end
5
```

OneBitContacts

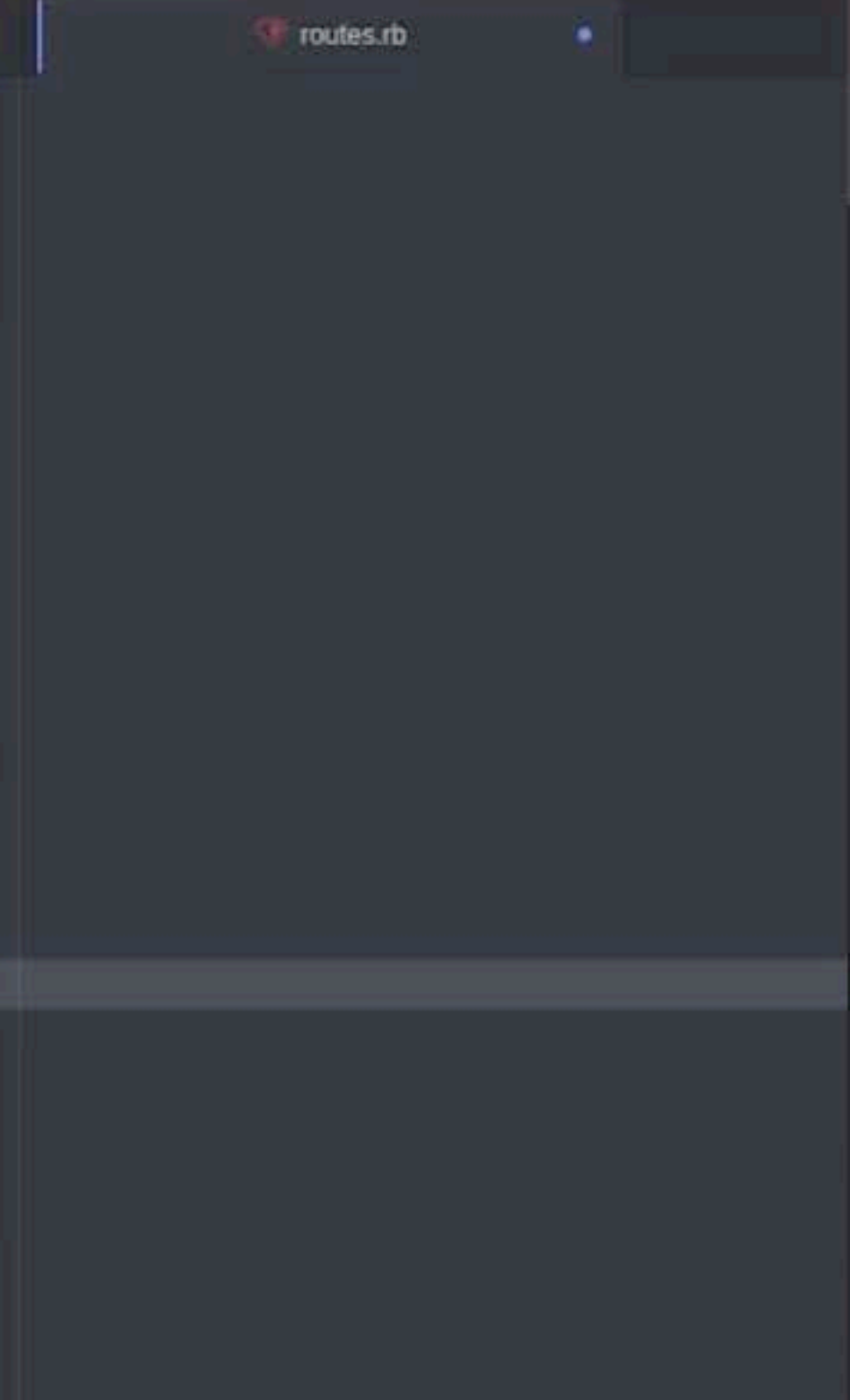
- > .git
- > app
 - > channels
 - > controllers
 - > api
 - > v1
 - api_controller.rb
 - contacts_controller.rb
 - concerns
 - .keep
 - application_controller.rb
 - jobs
 - mailers
 - models
 - concerns
 - application_record.rb
 - contact.rb
 - user.rb
 - views
 - > bin
 - > config
 - environments
 - initializers
 - application_controller.rb
 - backtrace_silence

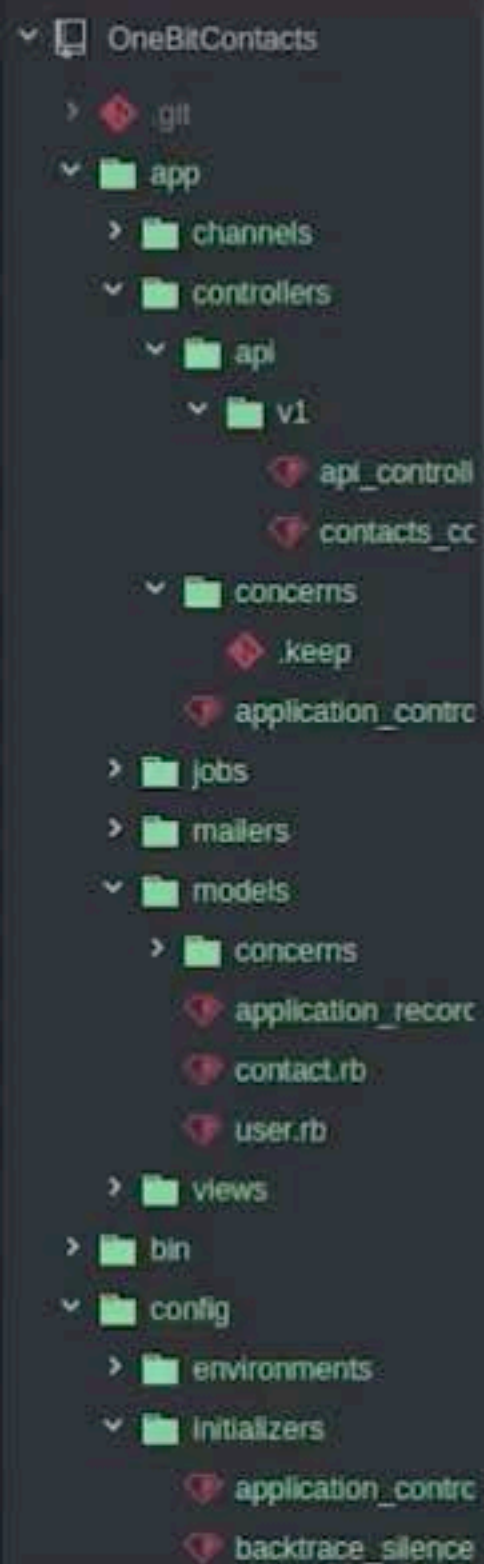
contact.rb user.rb contacts_controller.rb routes.rb

```
1 Rails.application.routes.draw do
2   devise_for :users
3   namespace :api do
4     namespace :v1 do
5       resources :contacts
6     end
7   end
8
9   /api/v1/contacts
10
11   constraints subdomain: 'api' do
12     scope module: 'api' do
13       namespace :v1 do
14         resources :contacts
15       end
16     end
17   end
18 end
```

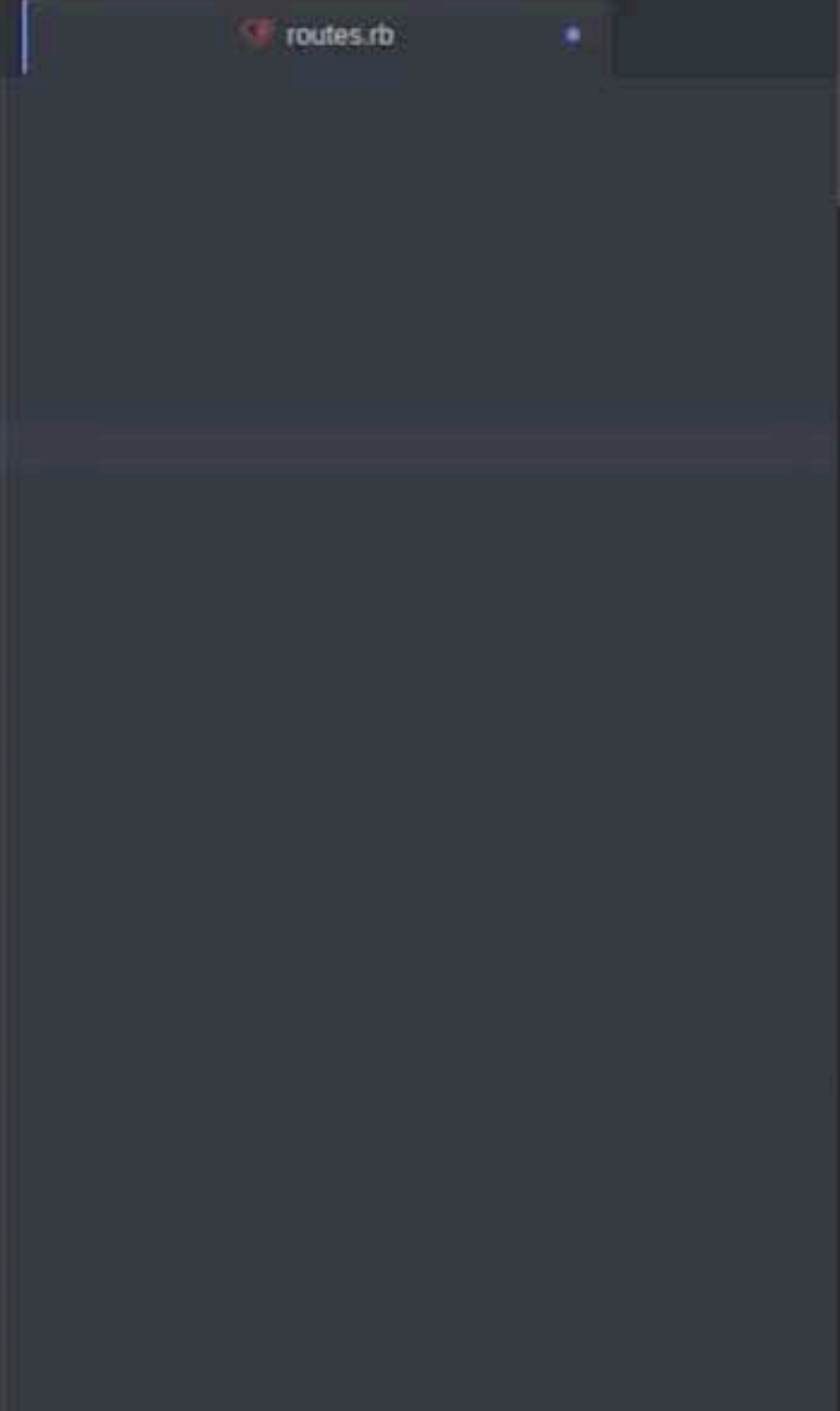


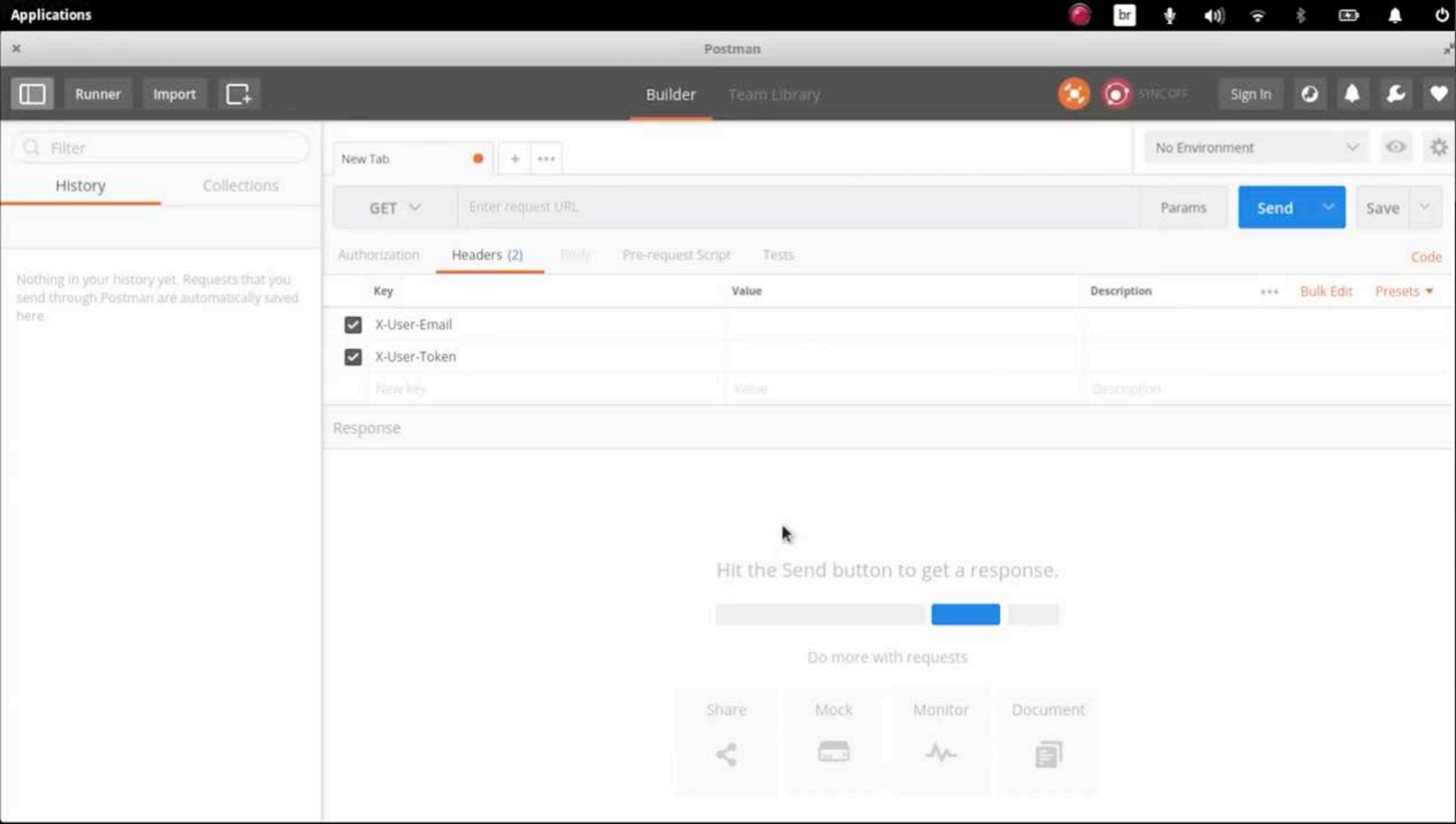
```
1  Rails.application.routes.draw do
2    devise_for :users
3    namespace :api do
4      namespace :v1 do
5        resources :contacts
6      end
7    end
8
9    /api/v1/contacts
10
11    constraints subdomain: 'api' do
12      scope module: 'api' do
13        namespace :v1 do
14          resources :contacts
15        end
16      end
17    end
18
19    api.onebitcode.com/v1/contacts
20  end
21
```





```
1  Rails.application.routes.draw do
2    devise_for :users
3    namespace :api do
4      namespace :v1 do
5        resources :contacts
6      end
7    end
8
9    # constraints subdomain: 'api' do
10     #   scope module: 'api' do
11       #     namespace :v1 do
12         #       resources :contacts
13       #     end
14     #   end
15   # end
16 end
17
```





x

rails s

x

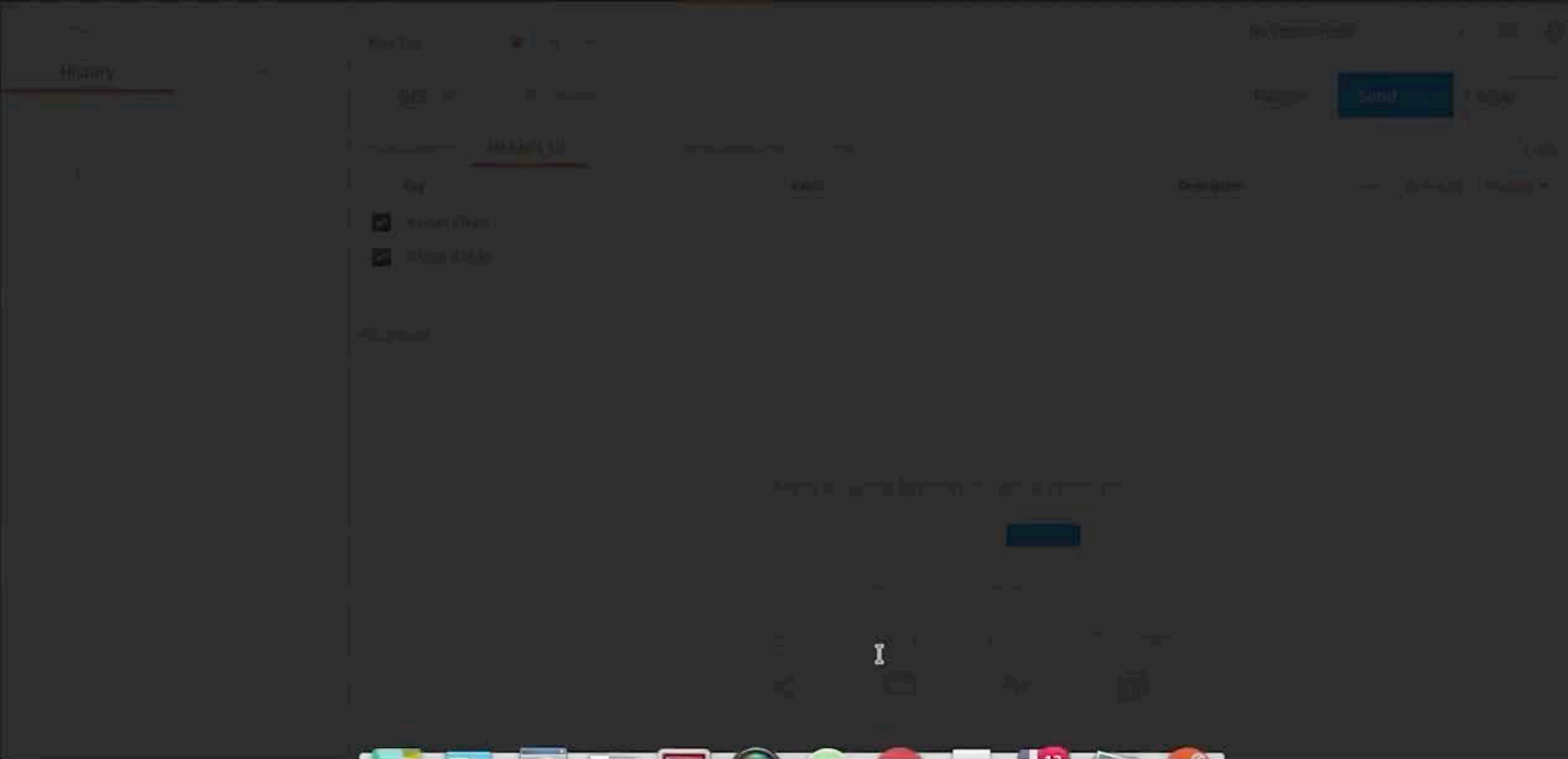
x

rails s 169x45

OneBitContacts git:(master) x rails s

DUNDEE

rails s 169x45




```
from /home/leo/.rvm/gems/ruby-2.4.0/gems/rack-2.0.3/lib/rack/builder.rb:55:in `initialize'
from config.ru:in `new'
from config.ru:in `'
from /home/leo/.rvm/gems/ruby-2.4.0/gems/rack-2.0.3/lib/rack/builder.rb:49:in `eval'
from /home/leo/.rvm/gems/ruby-2.4.0/gems/rack-2.0.3/lib/rack/builder.rb:49:in `new_from_string'
from /home/leo/.rvm/gems/ruby-2.4.0/gems/rack-2.0.3/lib/rack/builder.rb:40:in `parse_file'
from /home/leo/.rvm/gems/ruby-2.4.0/gems/rack-2.0.3/lib/rack/server.rb:319:in `build_app_and_options_from_config'
from /home/leo/.rvm/gems/ruby-2.4.0/gems/rack-2.0.3/lib/rack/server.rb:219:in `app'
from /home/leo/.rvm/gems/ruby-2.4.0/gems/railties-5.1.3/lib/rails/commands/server/server_command.rb:24:in `app'
from /home/leo/.rvm/gems/ruby-2.4.0/gems/rack-2.0.3/lib/rack/server.rb:354:in `wrapped_app'
from /home/leo/.rvm/gems/ruby-2.4.0/gems/railties-5.1.3/lib/rails/commands/server/server_command.rb:80:in `log_to_stdout'
from /home/leo/.rvm/gems/ruby-2.4.0/gems/railties-5.1.3/lib/rails/commands/server/server_command.rb:42:in `start'
from /home/leo/.rvm/gems/ruby-2.4.0/gems/railties-5.1.3/lib/rails/commands/server/server_command.rb:131:in `block in perform'
from /home/leo/.rvm/gems/ruby-2.4.0/gems/railties-5.1.3/lib/rails/commands/server/server_command.rb:126:in `tap'
from /home/leo/.rvm/gems/ruby-2.4.0/gems/railties-5.1.3/lib/rails/commands/server/server_command.rb:126:in `perform'
from /home/leo/.rvm/gems/ruby-2.4.0/gems/thor-0.20.0/lib/thor/command.rb:27:in `run'
from /home/leo/.rvm/gems/ruby-2.4.0/gems/thor-0.20.0/lib/thor/invocation.rb:126:in `invoke_command'
from /home/leo/.rvm/gems/ruby-2.4.0/gems/thor-0.20.0/lib/thor.rb:387:in `dispatch'
from /home/leo/.rvm/gems/ruby-2.4.0/gems/railties-5.1.3/lib/rails/command/base.rb:63:in `perform'
from /home/leo/.rvm/gems/ruby-2.4.0/gems/railties-5.1.3/lib/rails/command.rb:44:in `invoke'
from /home/leo/.rvm/gems/ruby-2.4.0/gems/railties-5.1.3/lib/rails/commands.rb:16:in `'
from /home/leo/Documents/be_awesome/onebitcode/posts/api/OneBitContacts/bin/rails:9:in `require'
from /home/leo/Documents/be_awesome/onebitcode/posts/api/OneBitContacts/bin/rails:9:in `'
from /home/leo/.rvm/gems/ruby-2.4.0/gems/spring-2.0.2/lib/spring/client/rails.rb:28:in `load'
from /home/leo/.rvm/gems/ruby-2.4.0/gems/spring-2.0.2/lib/spring/client/rails.rb:28:in `call'
from /home/leo/.rvm/gems/ruby-2.4.0/gems/spring-2.0.2/lib/spring/client/command.rb:7:in `call'
from /home/leo/.rvm/gems/ruby-2.4.0/gems/spring-2.0.2/lib/spring/client.rb:30:in `run'
from /home/leo/.rvm/gems/ruby-2.4.0/gems/spring-2.0.2/bin/spring:49:in `'
from /home/leo/.rvm/gems/ruby-2.4.0/gems/spring-2.0.2/lib/spring/binstub.rb:31:in `load'
from /home/leo/.rvm/gems/ruby-2.4.0/gems/spring-2.0.2/lib/spring/binstub.rb:31:in `'
from /home/leo/Documents/be_awesome/onebitcode/posts/api/OneBitContacts/bin/spring:15:in `require'
from /home/leo/Documents/be_awesome/onebitcode/posts/api/OneBitContacts/bin/spring:15:in `'
from bin/rails:3:in `load'
from bin/rails:3:in `'
```

→ OneBitContacts git:(master) X rails s

=> Booting Puma

=> Rails 5.1.3 application starting in development on http://localhost:3000

=> Run `rails server -h` for more startup options

Puma starting in single mode...

* Version 3.10.0 (ruby 2.4.0-p0), codename: Russell's Teapot

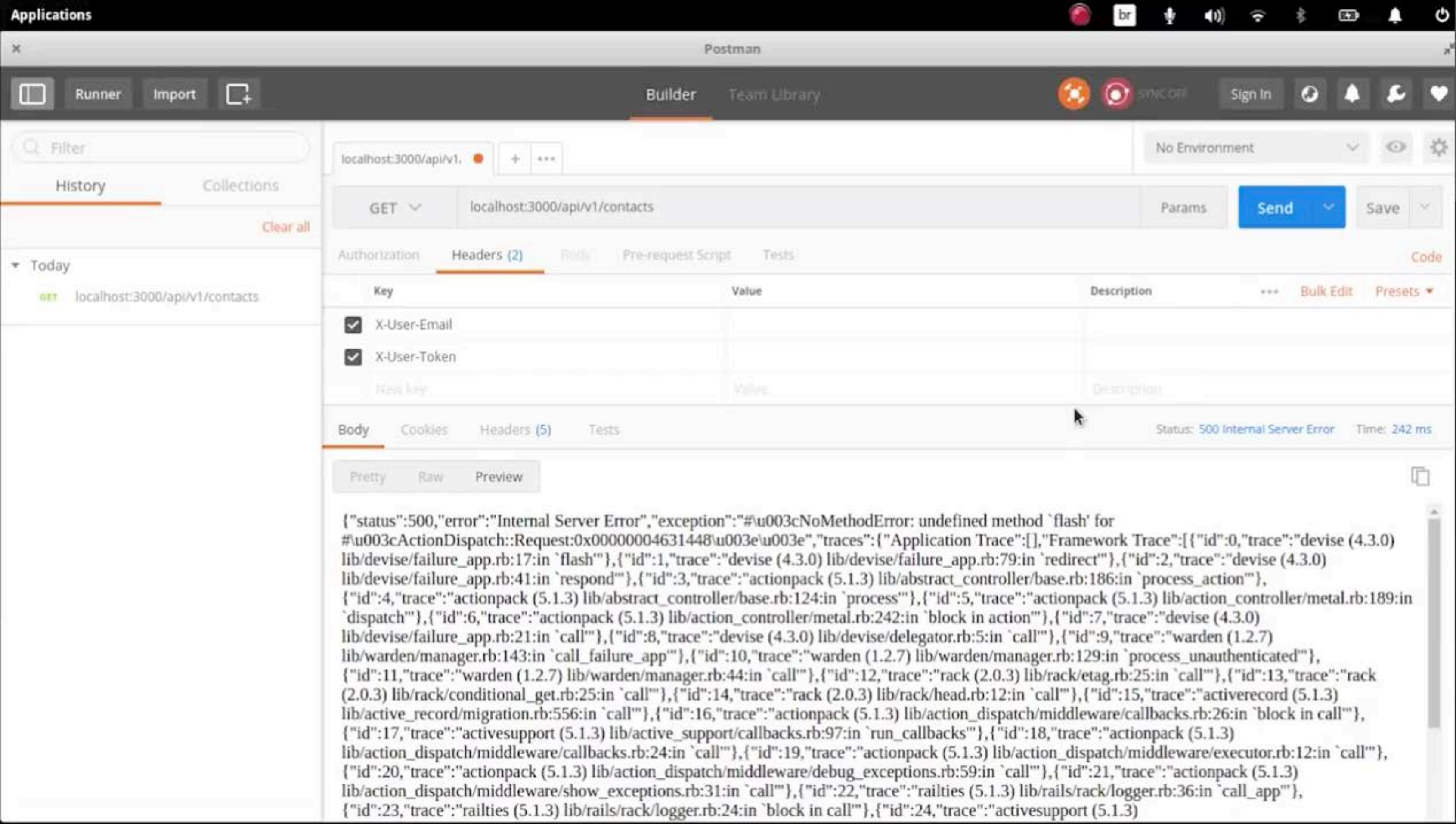
* Min threads: 5, max threads: 5

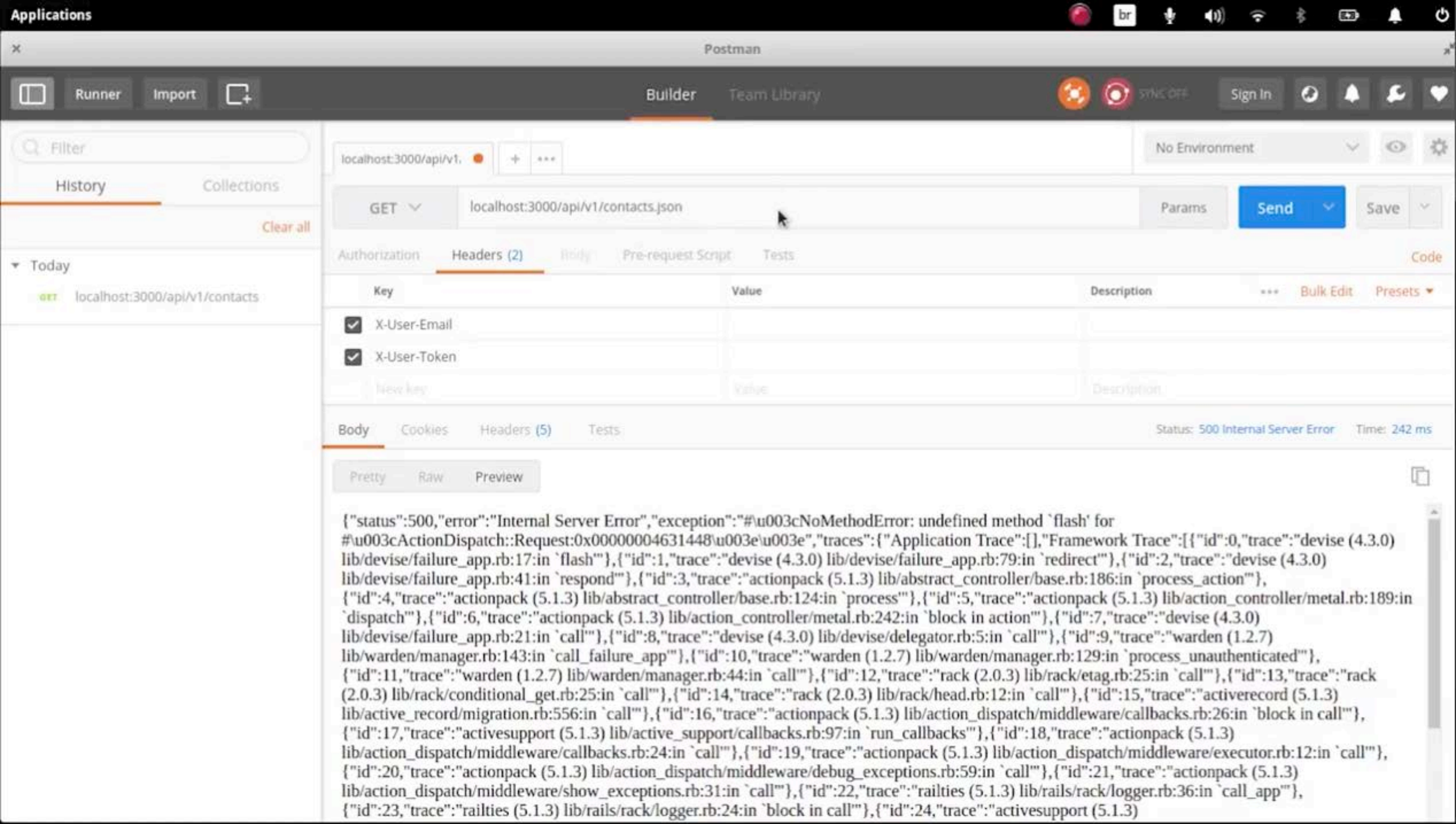
* Environment: development

* Listening on tcp://0.0.0.0:3000

Use Ctrl-C to stop







Postman

Runner Import

Builder Team Library

Filter

No Environment

localhost:3000/api/v1/

GET localhost:3000/api/v1/contacts.json

Params Send Save

Authorization Headers (2) Body Pre-request Script Tests

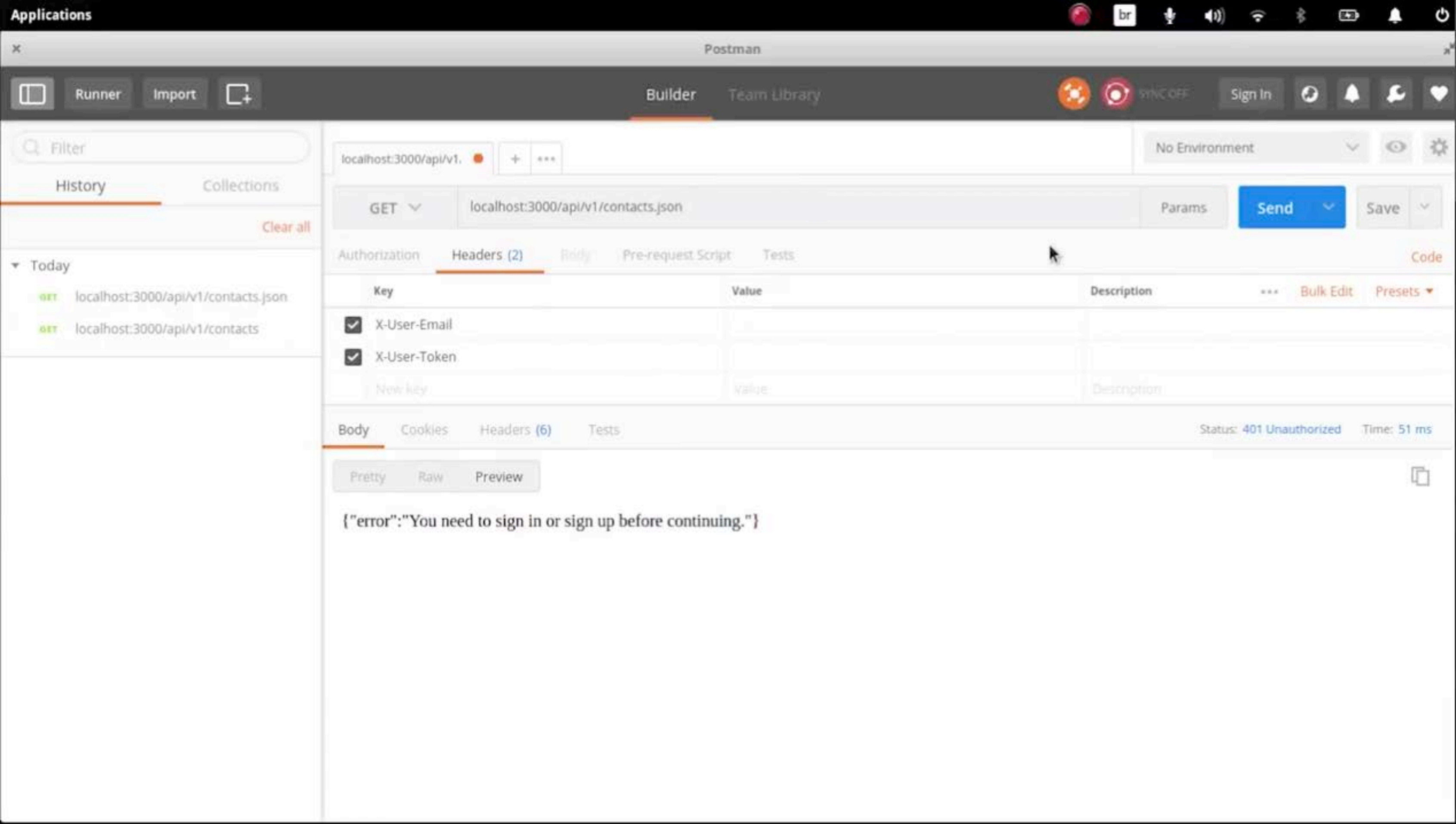
Key	Value	Description
<input checked="" type="checkbox"/> X-User-Email		
<input checked="" type="checkbox"/> X-User-Token		
New key	Value	Description

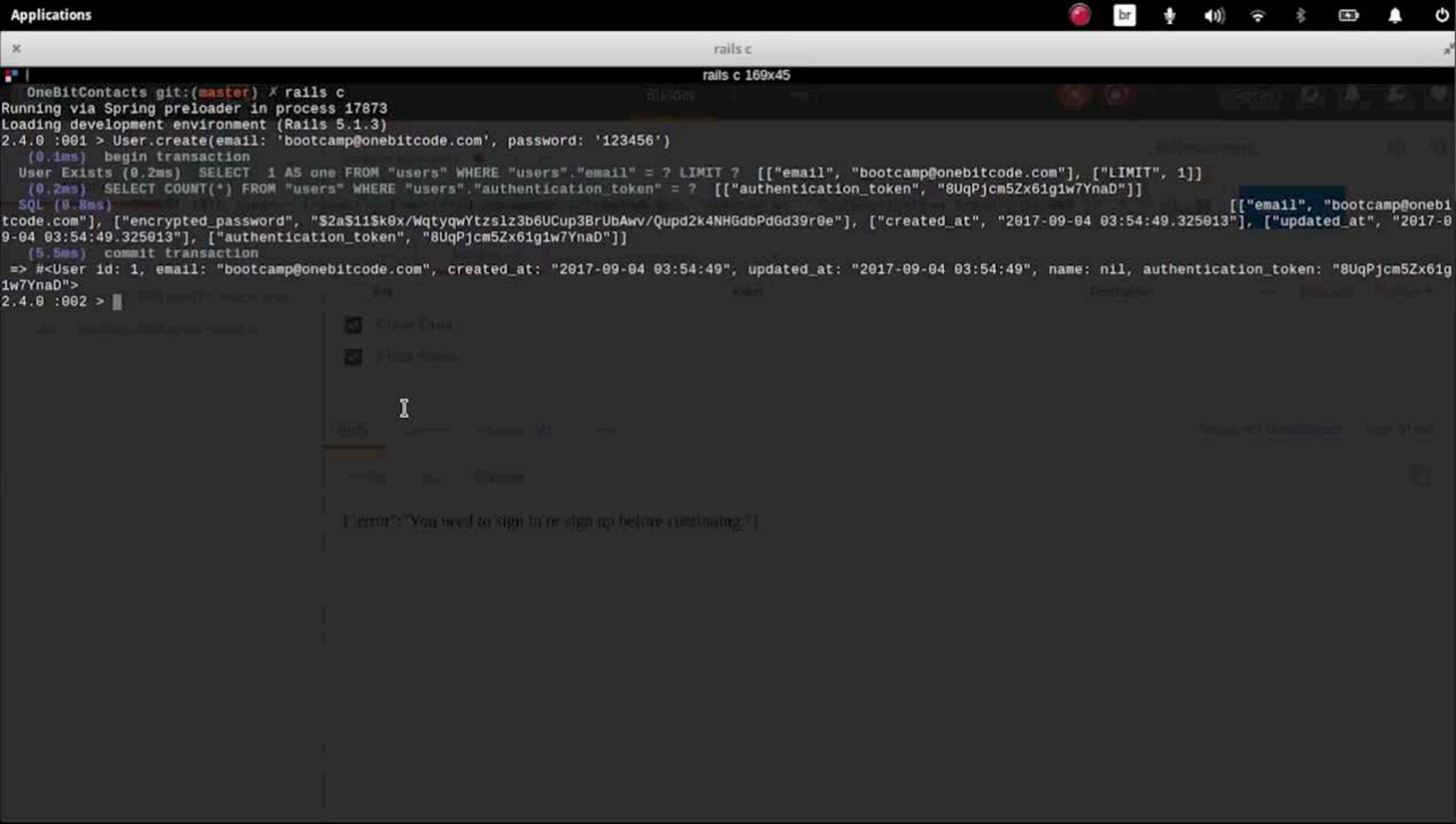
Body Cookies Headers (5) Tests

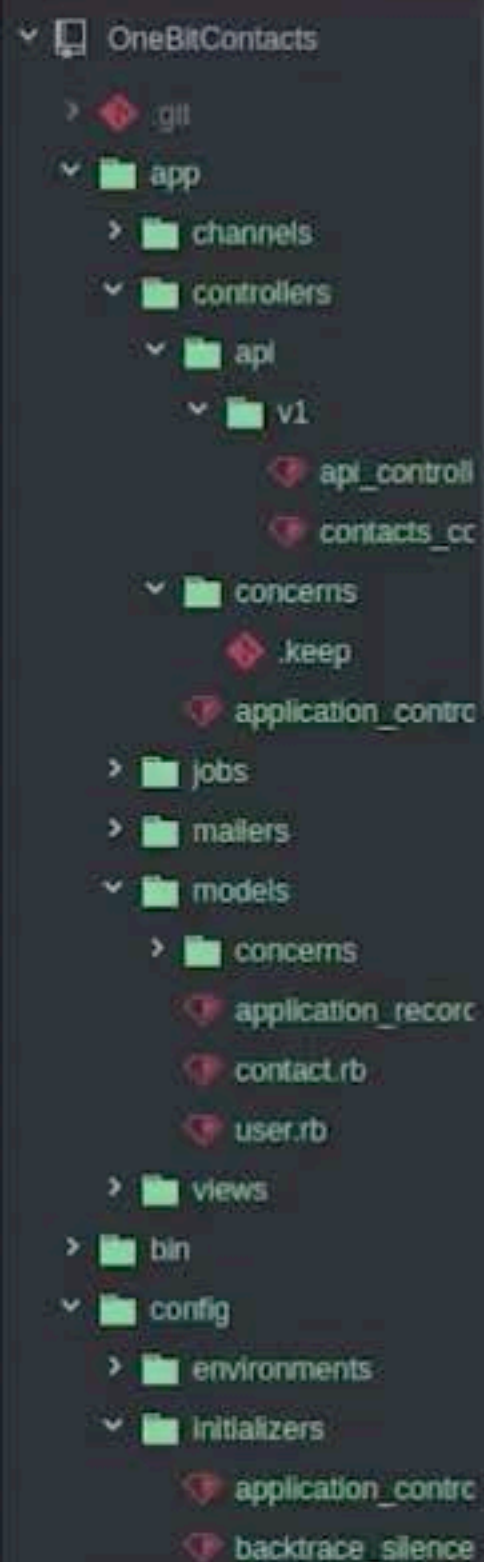
Status: 500 Internal Server Error Time: 242 ms

Pretty Raw Preview

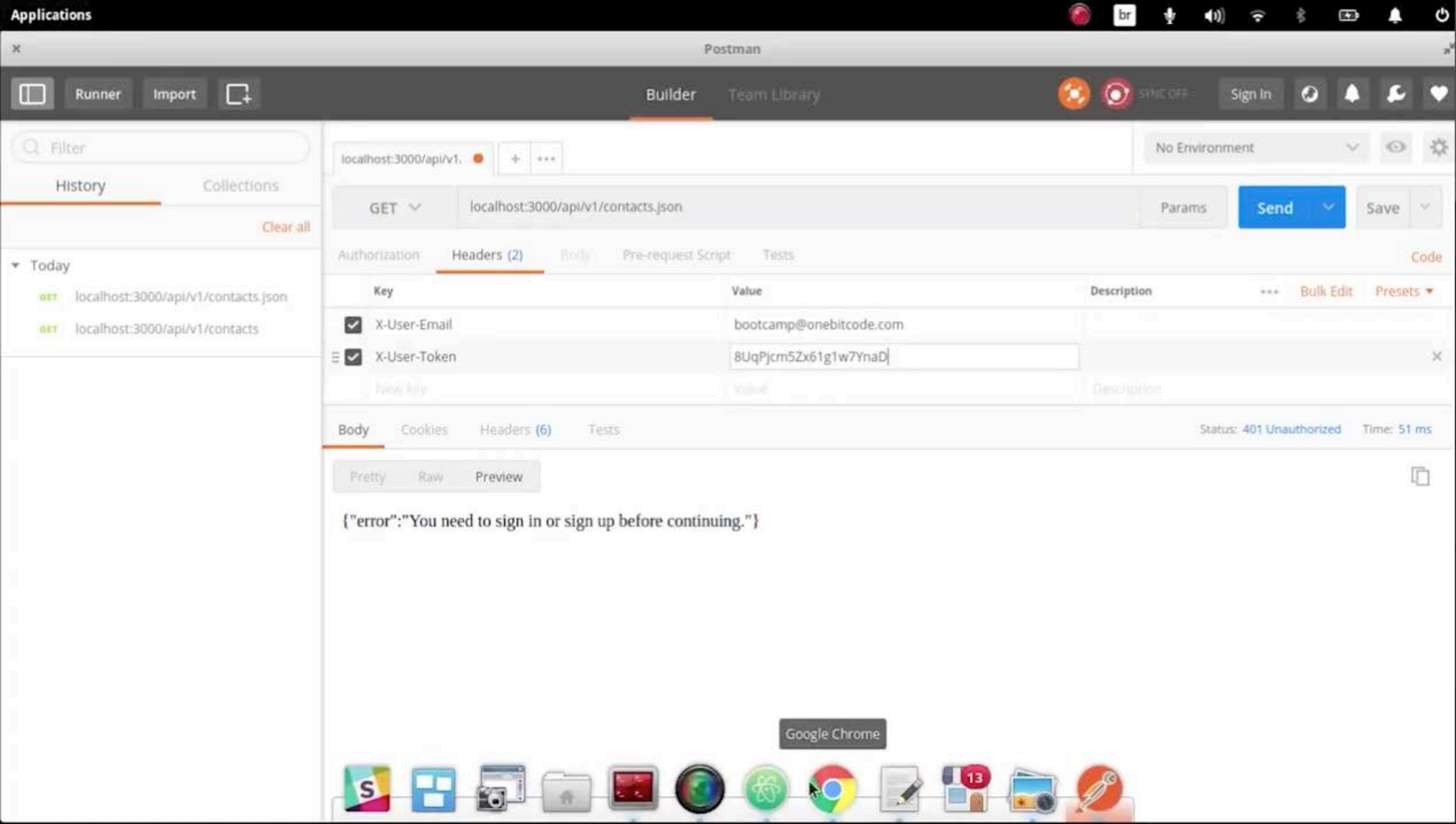
```
{"status":500,"error":"Internal Server Error","exception":"#<u003cNoMethodError: undefined method `flash' for #<u003cActionDispatch::Request:0x00000004631448\u003e\u003e","traces":{"Application Trace":[],"Framework Trace":[{"id":0,"trace":"devise (4.3.0) lib/devise/failure_app.rb:17:in `flash'"},{"id":1,"trace":"devise (4.3.0) lib/devise/failure_app.rb:79:in `redirect'"},{"id":2,"trace":"devise (4.3.0) lib/devise/failure_app.rb:41:in `respond'"},{"id":3,"trace":"actionpack (5.1.3) lib/abstract_controller/base.rb:186:in `process_action'"},{"id":4,"trace":"actionpack (5.1.3) lib/abstract_controller/base.rb:124:in `process'"},{"id":5,"trace":"actionpack (5.1.3) lib/action_controller/metal.rb:189:in `dispatch'"},{"id":6,"trace":"actionpack (5.1.3) lib/action_controller/metal.rb:242:in `block in action'"},{"id":7,"trace":"devise (4.3.0) lib/devise/failure_app.rb:21:in `call'"},{"id":8,"trace":"devise (4.3.0) lib/devise/delegator.rb:5:in `call'"},{"id":9,"trace":"warden (1.2.7) lib/warden/manager.rb:143:in `call_failure_app'"},{"id":10,"trace":"warden (1.2.7) lib/warden/manager.rb:129:in `process_unauthenticated'"},{"id":11,"trace":"warden (1.2.7) lib/warden/manager.rb:44:in `call'"},{"id":12,"trace":"rack (2.0.3) lib/rack/etag.rb:25:in `call'"},{"id":13,"trace":"rack (2.0.3) lib/rack/conditional_get.rb:25:in `call'"},{"id":14,"trace":"rack (2.0.3) lib/rack/head.rb:12:in `call'"},{"id":15,"trace":"activerecord (5.1.3) lib/active_record/migration.rb:556:in `call'"},{"id":16,"trace":"actionpack (5.1.3) lib/action_dispatch/middleware/callbacks.rb:26:in `block in call'"},{"id":17,"trace":"activesupport (5.1.3) lib/active_support/callbacks.rb:97:in `run_callbacks'"},{"id":18,"trace":"actionpack (5.1.3) lib/action_dispatch/middleware/callbacks.rb:24:in `call'"}, {"id":19,"trace":"actionpack (5.1.3) lib/action_dispatch/middleware/executor.rb:12:in `call'"}, {"id":20,"trace":"actionpack (5.1.3) lib/action_dispatch/middleware/debug_exceptions.rb:59:in `call'"}, {"id":21,"trace":"actionpack (5.1.3) lib/action_dispatch/middleware/show_exceptions.rb:31:in `call'"}, {"id":22,"trace":"railties (5.1.3) lib/rails/rack/logger.rb:36:in `call_app'"}, {"id":23,"trace":"railties (5.1.3) lib/rails/rack/logger.rb:24:in `block in call'"}, {"id":24,"trace":"activesupport (5.1.3)"}]}
```





```
1 source 'https://rubygems.org'
2
3 git_source(:github) do |repo_name|
4   repo_name = "#{repo_name}/#{repo_name}" unless repo_name.include?("/")
5   "https://github.com/#{repo_name}.git"
6 end
7
8 gem 'rack-cors'
9 gem 'rack-attack'
10 gem 'devise'
11 gem 'simple_token_authentication', '~> 1.0'
12
13 # Bundle edge Rails instead: gem 'rails', github: 'rails/rails'
14 gem 'rails', '~> 5.1.3'
15 # Use sqlite3 as the database for Active Record
16 gem 'sqlite3'
17 # Use Puma as the app server
18 gem 'puma', '~> 3.7'
19 # Build JSON APIs with ease. Read more: https://github.com/rails/jbuilder
20 # gem 'jbuilder', '~> 2.5'
21 # Use Redis adapter to run Action Cable in production
22 # gem 'redis', '~> 3.0'
23 # Use ActiveSupport has_secure_password
24 # gem 'bcrypt', '~> 3.1.7'
25
26 # Use Capistrano for deployment
27 # gem 'capistrano-rails', group: :development
```

```
rails s
rails s 169x45

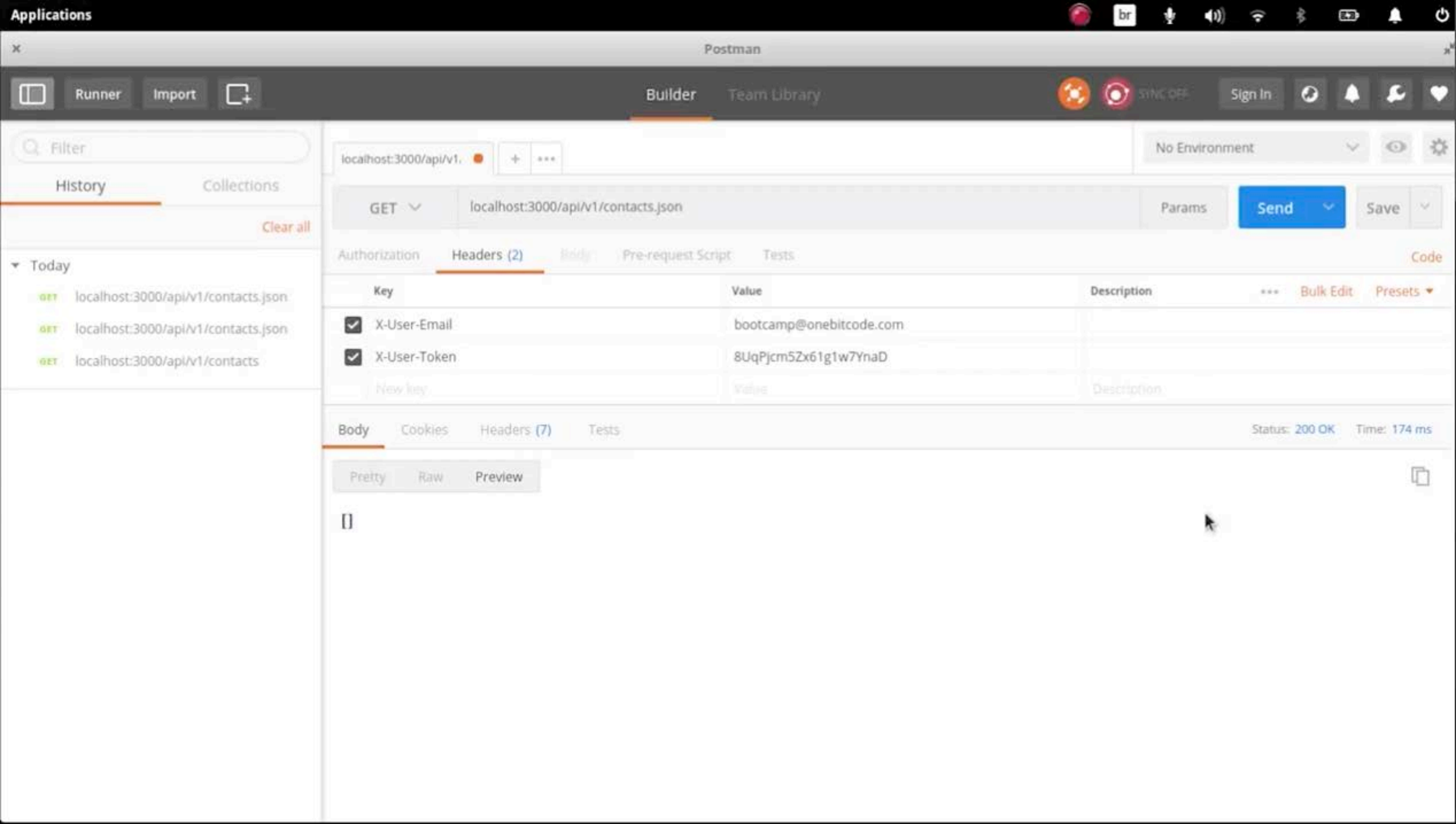
OneBitContacts git:(master) X rails c
Running via Spring preloader in process 17873
Loading development environment (Rails 5.1.3)
2.4.0 :001 > User.create(email: 'bootcamp@onebitcode.com', password: '123456')
(0.1ms) begin transaction
User Exists (0.2ms) SELECT 1 AS one FROM "users" WHERE "users"."email" = ? LIMIT ? [{"email", "bootcamp@onebitcode.com"}, {"LIMIT", 1}]
(0.2ms) SELECT COUNT(*) FROM "users" WHERE "users"."authentication_token" = ? [{"authentication_token", "8UqPjcm5Zx61g1w7YnaD"}]
SQL (0.8ms) INSERT INTO "users" ("email", "encrypted_password", "authentication_token", "created_at", "updated_at") VALUES ('bootcamp@onebitcode.com', '$2a$11$sk0x/WqtyqwYtzslz3b6UCup3BrUbAwv/Qupd2k4NHGdbPdGd39r0e', '8UqPjcm5Zx61g1w7YnaD', '2017-09-04 03:54:49.325013', '2017-09-04 03:54:49.325013')
(5.5ms) commit transaction
=> #<User id: 1, email: "bootcamp@onebitcode.com", created_at: "2017-09-04 03:54:49", updated_at: "2017-09-04 03:54:49", name: nil, authentication_token: "8UqPjcm5Zx61g1w7YnaD">
2.4.0 :002 > exit
OneBitContacts git:(master) X rails s
=> Booting Puma
=> Rails 5.1.3 application starting in development on http://localhost:3000
=> Run 'rails server -h' for more startup options
Puma starting in single mode...
* Version 3.10.0 (ruby 2.4.0-p0), codename: Russell's Teapot
* Min threads: 5, max threads: 5
* Environment: development
* Listening on tcp://0.0.0.0:3000
Use Ctrl-C to stop
```

Could not get any response

There will be an error in the logs if you get this error.

Why this might have happened:

- The server couldn't send a response (usually the result of a failed database query)
- All connections are being blocked by the OS (you can kill the process)
- Check the logs (use the command `rails server -h`)
- Request timeout (change the value of `request_timeout` in the config)



Filter

History Collections Clear all

- Today
- GET localhost:3000/api/v1/contacts.json
 - GET localhost:3000/api/v1/contacts.json
 - GET localhost:3000/api/v1/contacts

localhost:3000/api/v1/ + ...

No Environment

GET localhost:3000/api/v1/contacts.json Params Send Save

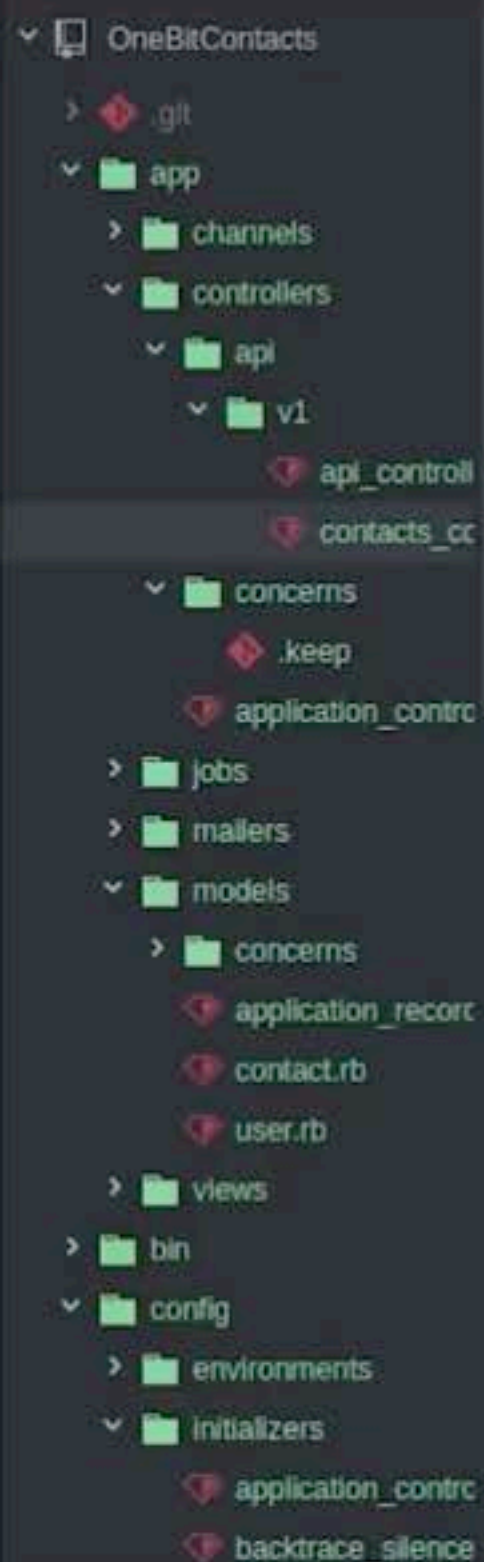
Authorization Headers (2) Body Pre-request Script Tests Code

Key	Value	Description	...	Bulk Edit	Presets
<input checked="" type="checkbox"/> X-User-Email	bootcamp@onebitcode.com				
<input checked="" type="checkbox"/> X-User-Token	8UqPjcm5Zx61g1w7YnaD				
New key	Value	Description			

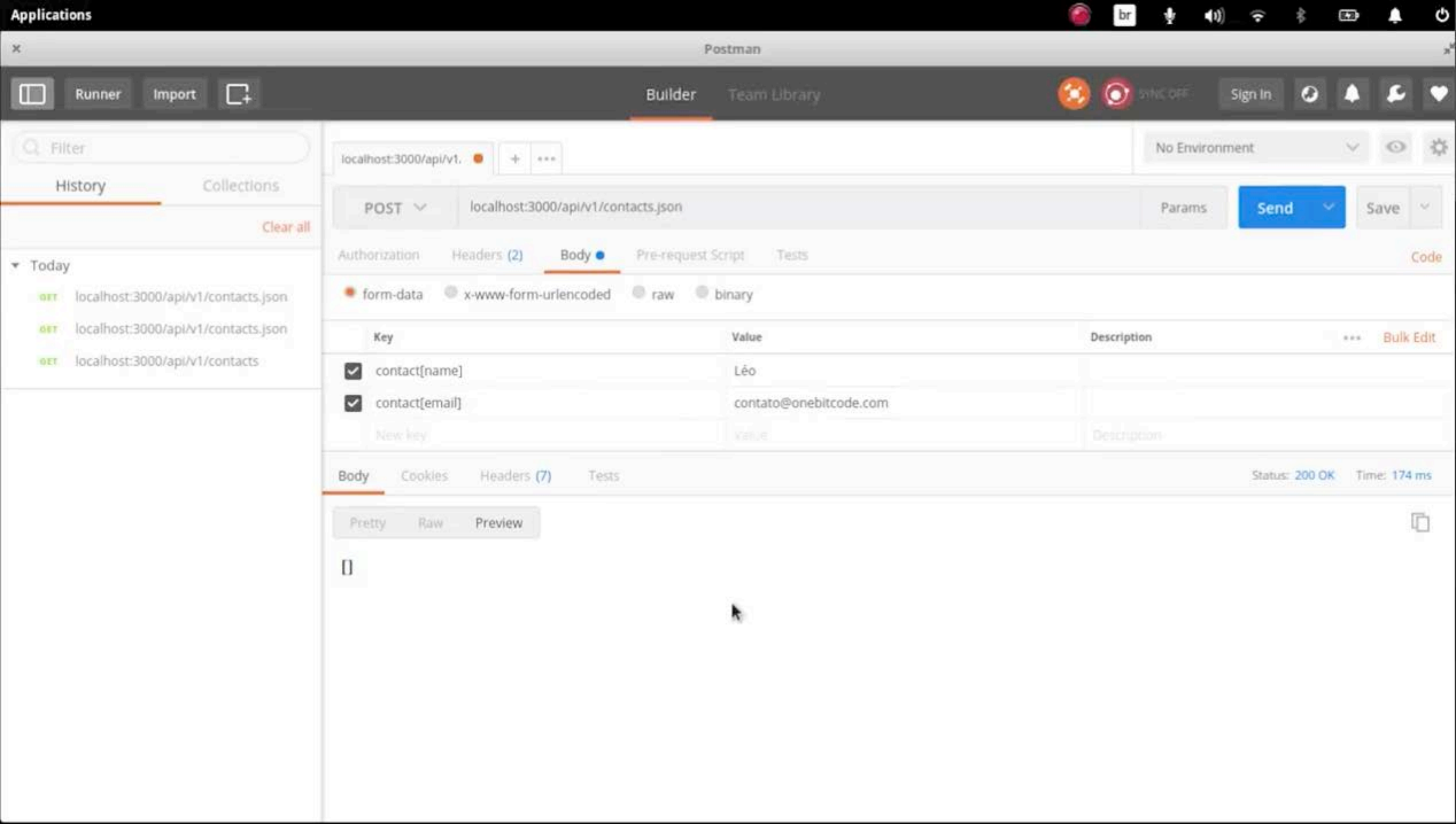
Body Cookies Headers (7) Tests Status: 200 OK Time: 174 ms

Pretty Raw Preview

```
[]
```

```
33     render json: @contact.errors, status: :unprocessable_entity
34   end
35 end
36
37 # DELETE /api/v1/contacts/1
38 def destroy
39   @contact.destroy
40 end
41
42 private
43 # Use callbacks to share common setup or constraints between actions.
44 def set_contact
45   @contact = Contact.find(params[:id])
46 end
47
48 # Only allow a trusted parameter "white list" through.
49 def contact_params
50   params.require(:contact).permit(:name, :email, :phone, :description)
51 end
52
53 def require_authorization!
54   unless current_user == @contact.user
55     render json: {}, status: :forbidden
56   end
57 end
58 end
59
```



localhost:3000/api/v1/contacts.json

localhost:3000/api/v1/contacts.json

localhost:3000/api/v1/contacts

localhost:3000/api/v1.



No Environment



POST



localhost:3000/api/v1/contacts.json

Params

Send



Save



Authorization

Headers (2)

Body

Pre-request Script

Tests

Code

form-data x-www-form-urlencoded raw binary

Key

Value

Description



Bulk Edit

☒ contact[name]

Léo

☒ contact[email]

contato@onebitcode.com

New key

Value

Description

Body

Cookies

Headers (7)

Tests

Status: 200 OK

Time: 174 ms

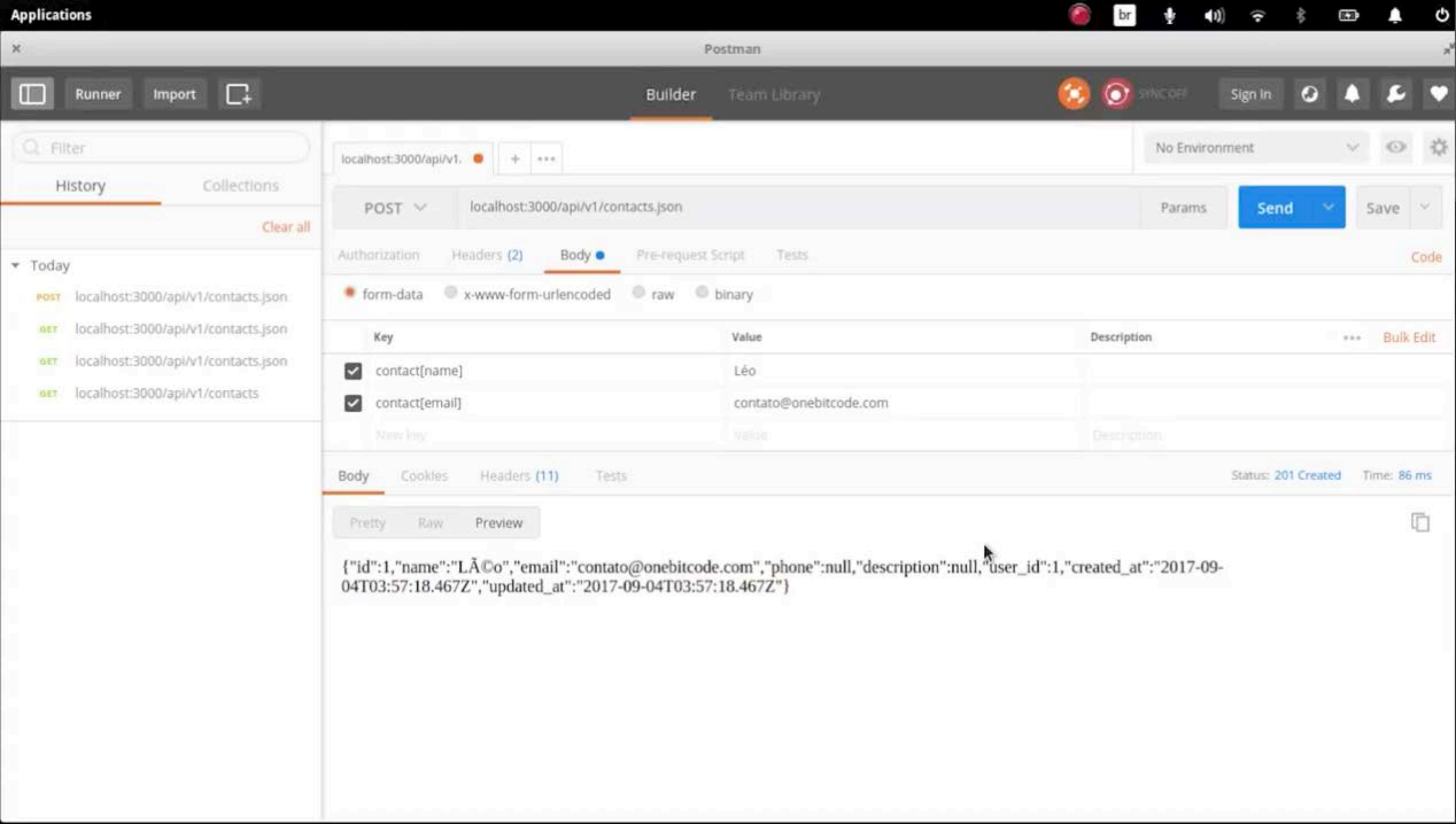
Pretty

Raw

Preview



[]



Filter

History Collections

Clear all

Today

- POST localhost:3000/api/v1/contacts.json
- GET localhost:3000/api/v1/contacts.json
- GET localhost:3000/api/v1/contacts.json
- GET localhost:3000/api/v1/contacts

localhost:3000/api/v1. + ... No Environment

POST localhost:3000/api/v1/contacts.json Params Send Save

Authorization Headers (2) Body Pre-request Script Tests Code

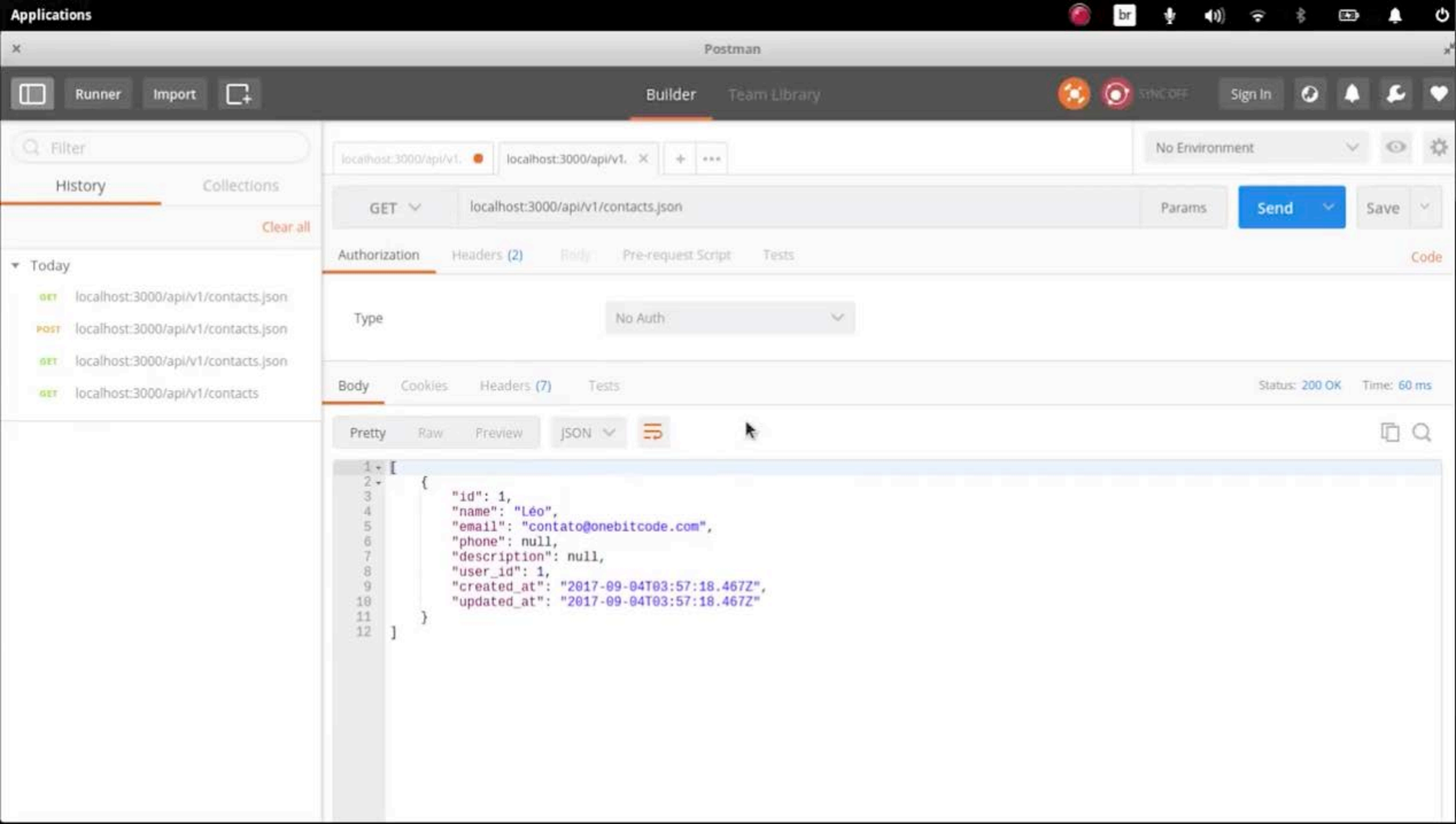
form-data x-www-form-urlencoded raw binary

Key	Value	Description	...	Bulk Edit
<input checked="" type="checkbox"/> contact[name]	Léo			
<input checked="" type="checkbox"/> contact[email]	contato@onebitcode.com			
New key	Value	Description		

Body Cookies Headers (11) Tests Status: 201 Created Time: 86 ms

Pretty Raw Preview

```
{"id":1,"name":"LÃ©o","email":"contato@onebitcode.com","phone":null,"description":null,"user_id":1,"created_at":"2017-09-04T03:57:18.467Z","updated_at":"2017-09-04T03:57:18.467Z"}
```

Filter

History Collections

Clear all

Today

- GET localhost:3000/api/v1/contacts.json
- POST localhost:3000/api/v1/contacts.json
- GET localhost:3000/api/v1/contacts.json
- GET localhost:3000/api/v1/contacts

localhost:3000/api/v1. localhost:3000/api/v1. + ...

No Environment

GET localhost:3000/api/v1/contacts.json

Params Send Save

Authorization Headers (2) Body Pre-request Script Tests

Code

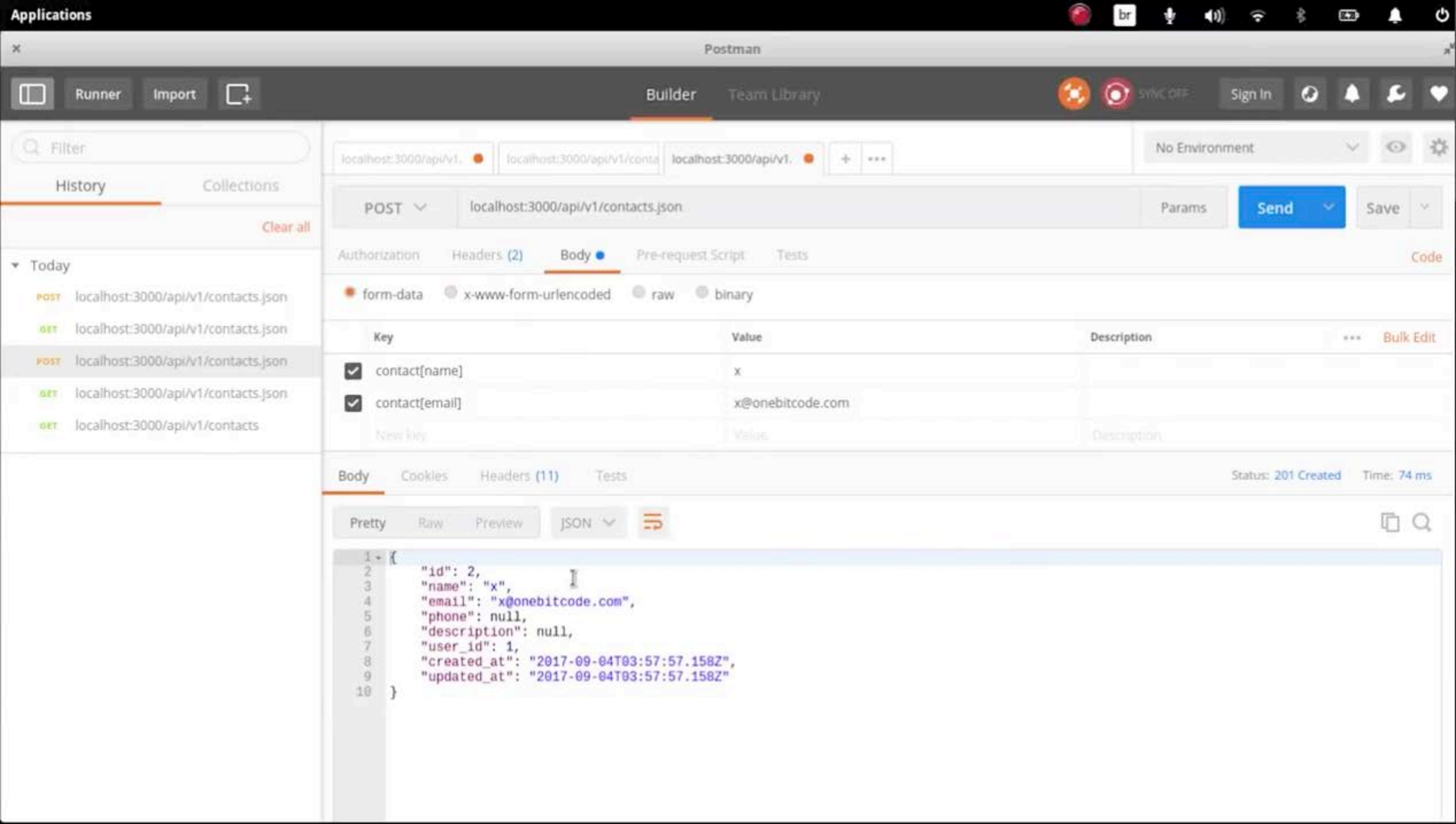
Type No Auth

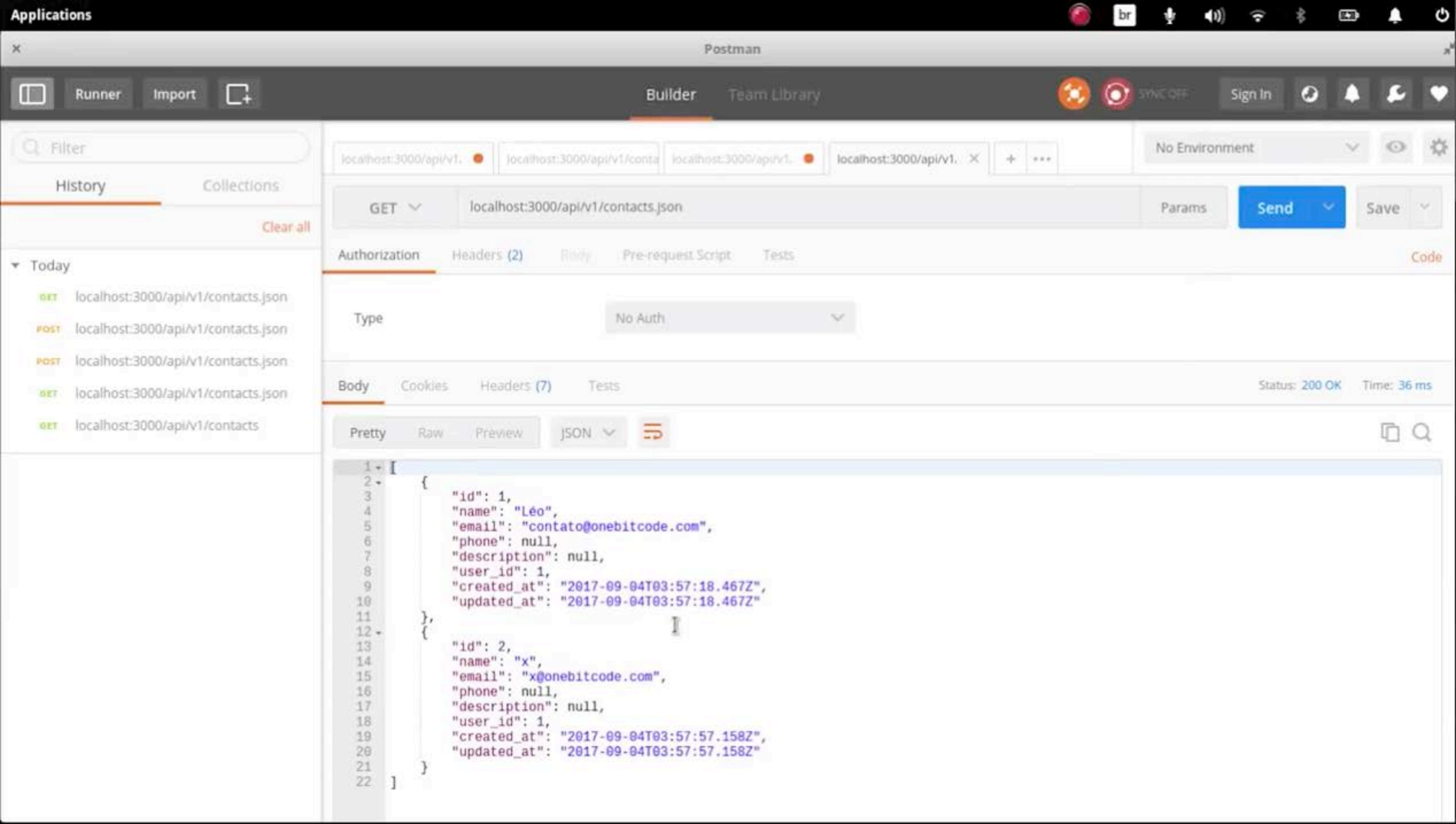
Body Cookies Headers (7) Tests

Status: 200 OK Time: 60 ms

Pretty Raw Preview JSON

```
1 [
2   {
3     "id": 1,
4     "name": "Léo",
5     "email": "contato@onebitcode.com",
6     "phone": null,
7     "description": null,
8     "user_id": 1,
9     "created_at": "2017-09-04T03:57:18.467Z",
10    "updated_at": "2017-09-04T03:57:18.467Z"
11  }
12 ]
```





Runner

Import



Builder

Team Library



SYNC OFF

Sign In



Filter

History

Collections

Clear all

▼ Today

GET localhost:3000/api/v1/contacts.json

POST localhost:3000/api/v1/contacts.json

POST localhost:3000/api/v1/contacts.json

GET localhost:3000/api/v1/contacts.json

GET localhost:3000/api/v1/contacts

localhost:3000/api/v1.

localhost:3000/api/v1/conta

localhost:3000/api/v1.

localhost:3000/api/v1. X

+

...

No Environment

▼



GET ▼

localhost:3000/api/v1/contacts.json

Params

Send ▼

Save ▼

Authorization

Headers (2)

Body

Pre-request Script

Tests

Code

Type

No Auth

▼

Body

Cookies

Headers (7)

Tests

Status: 200 OK

Time: 36 ms

Pretty

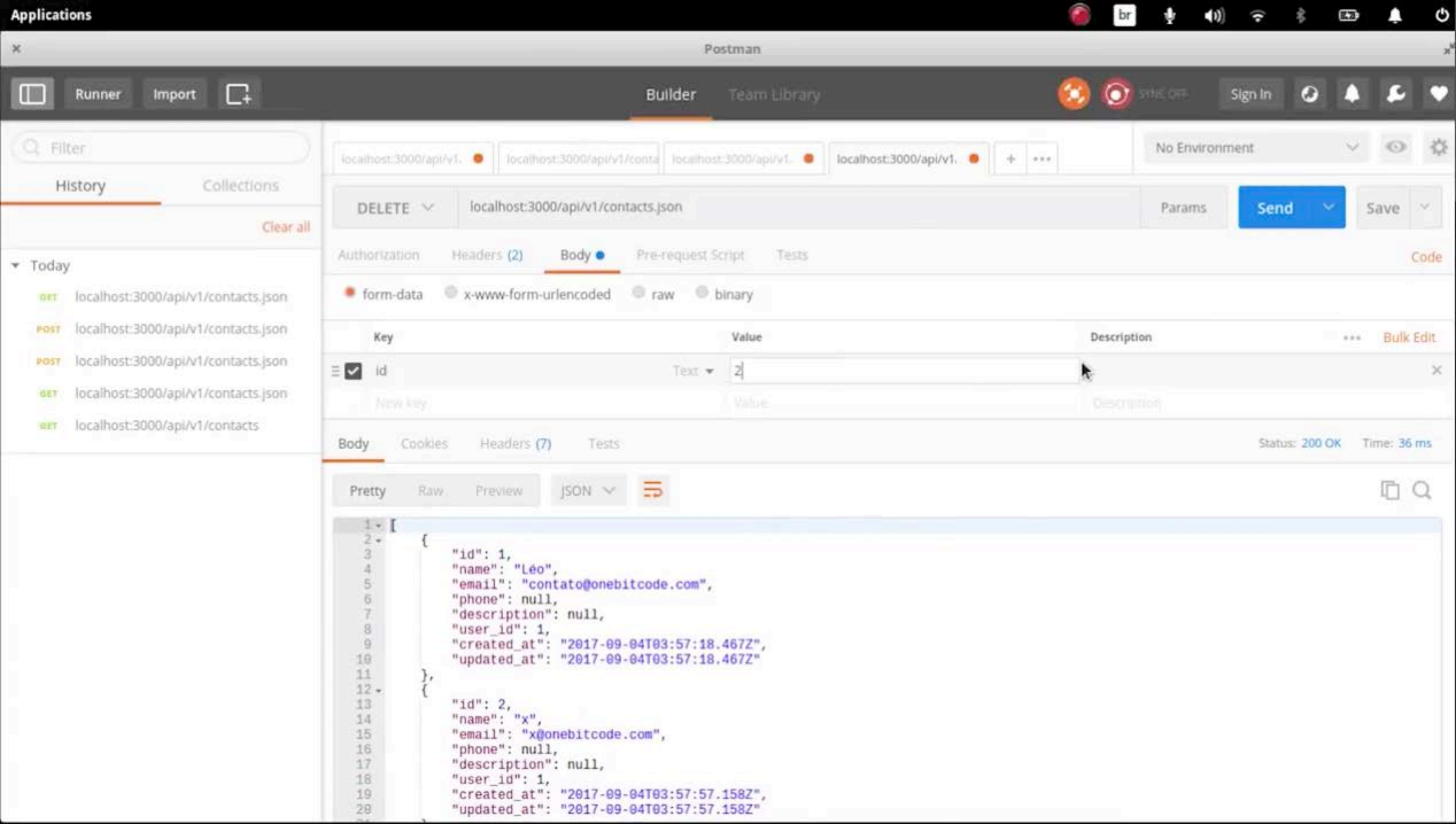
Raw

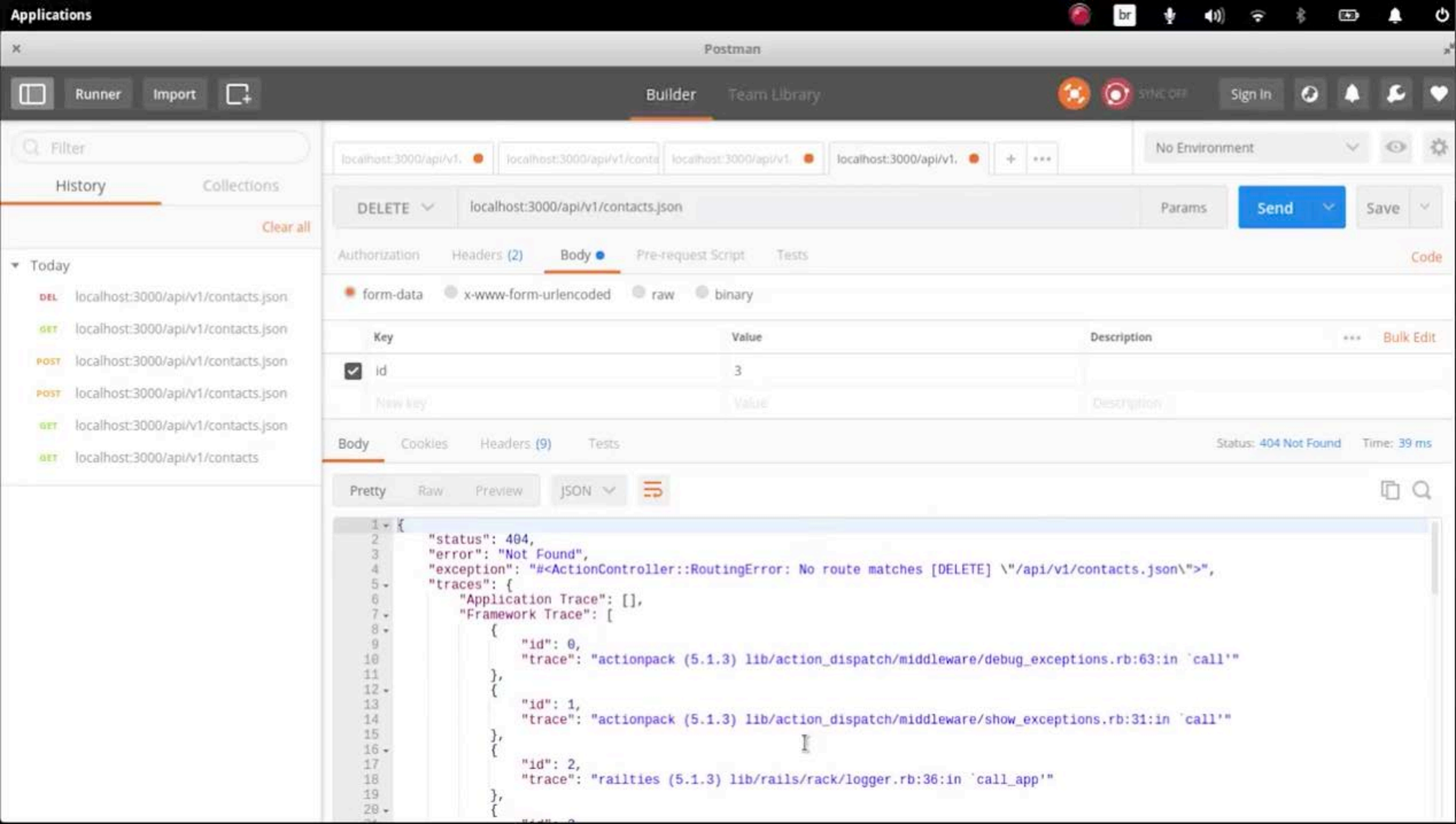
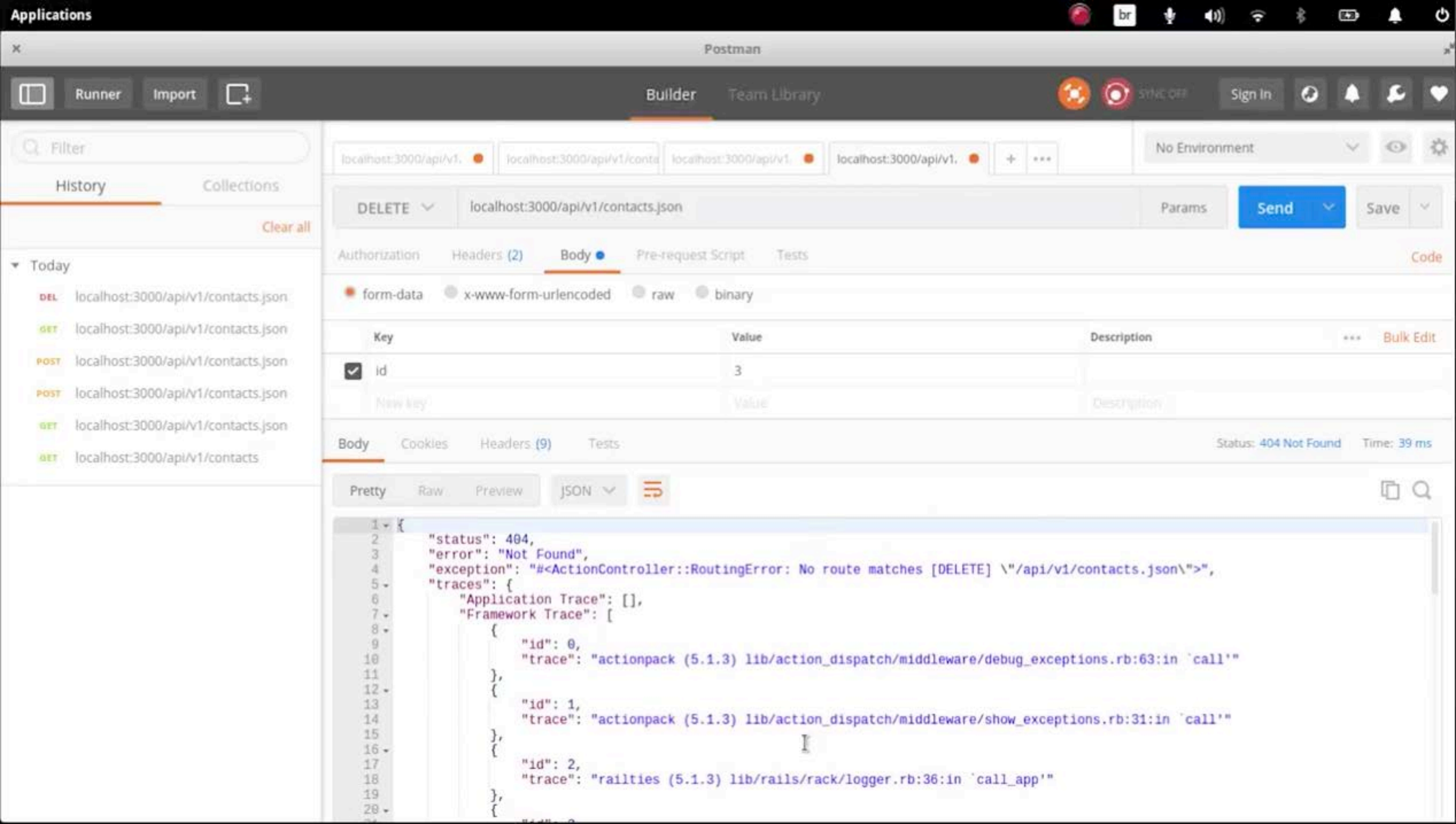
Preview

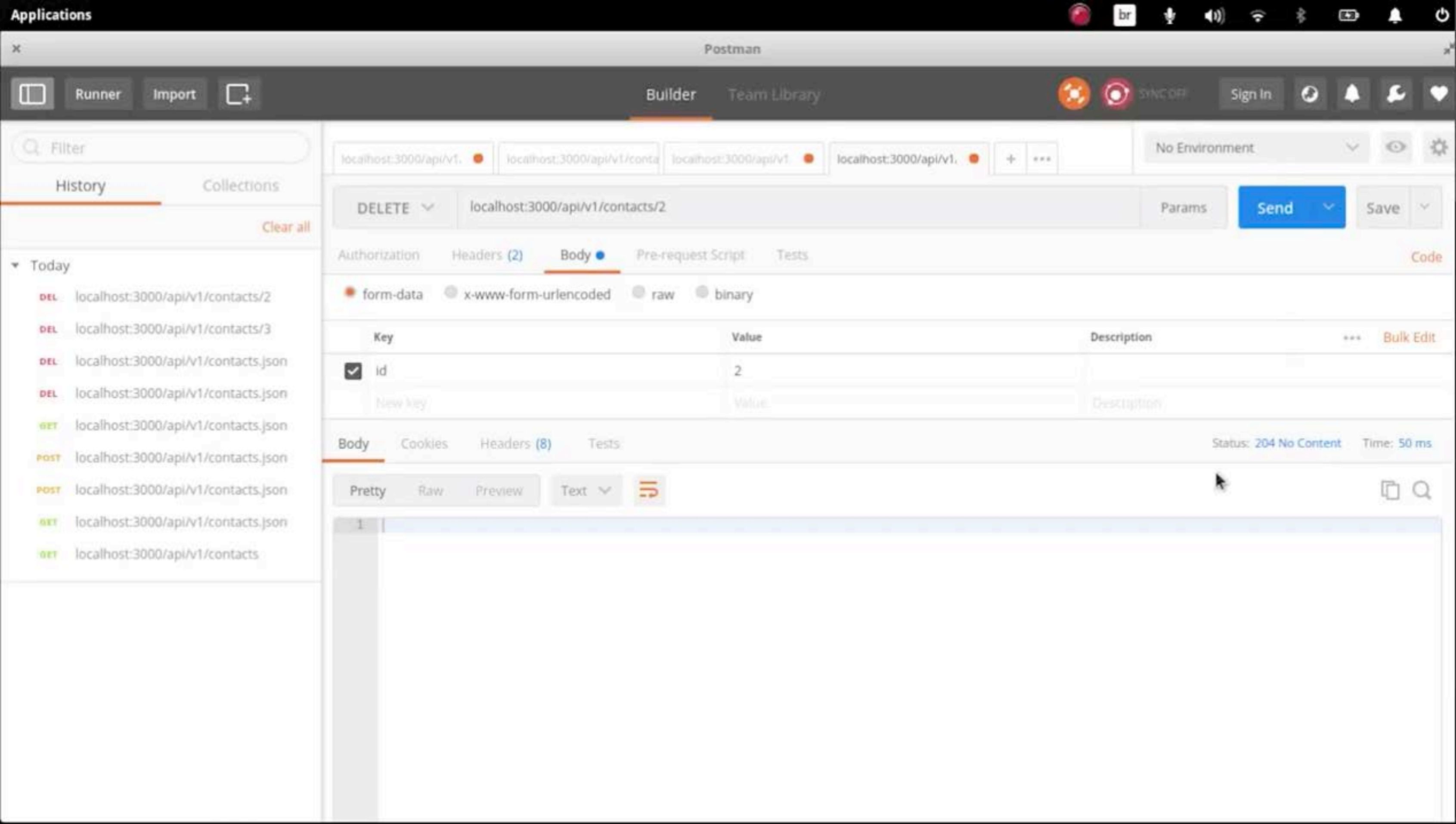
JSON ▼

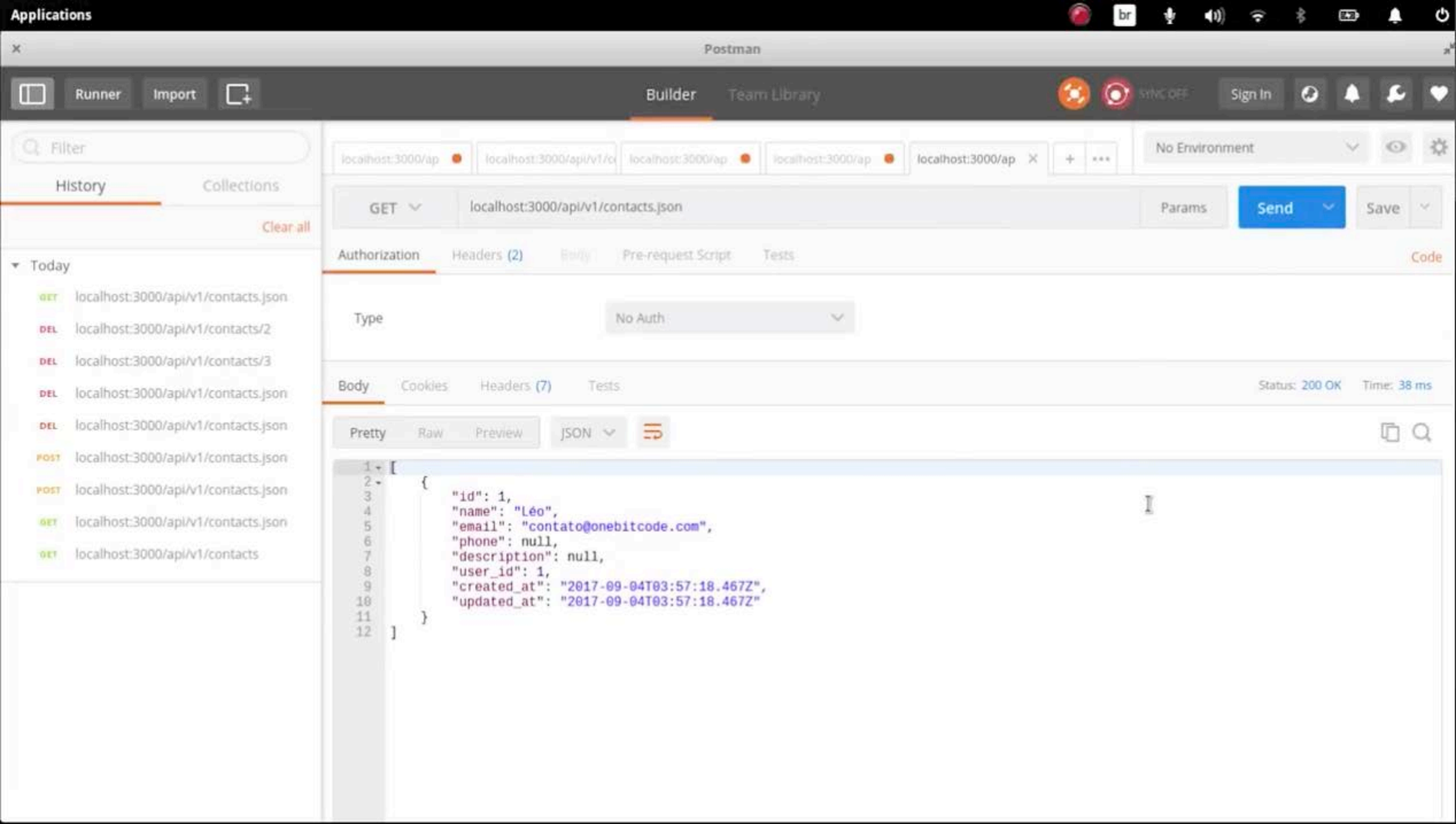


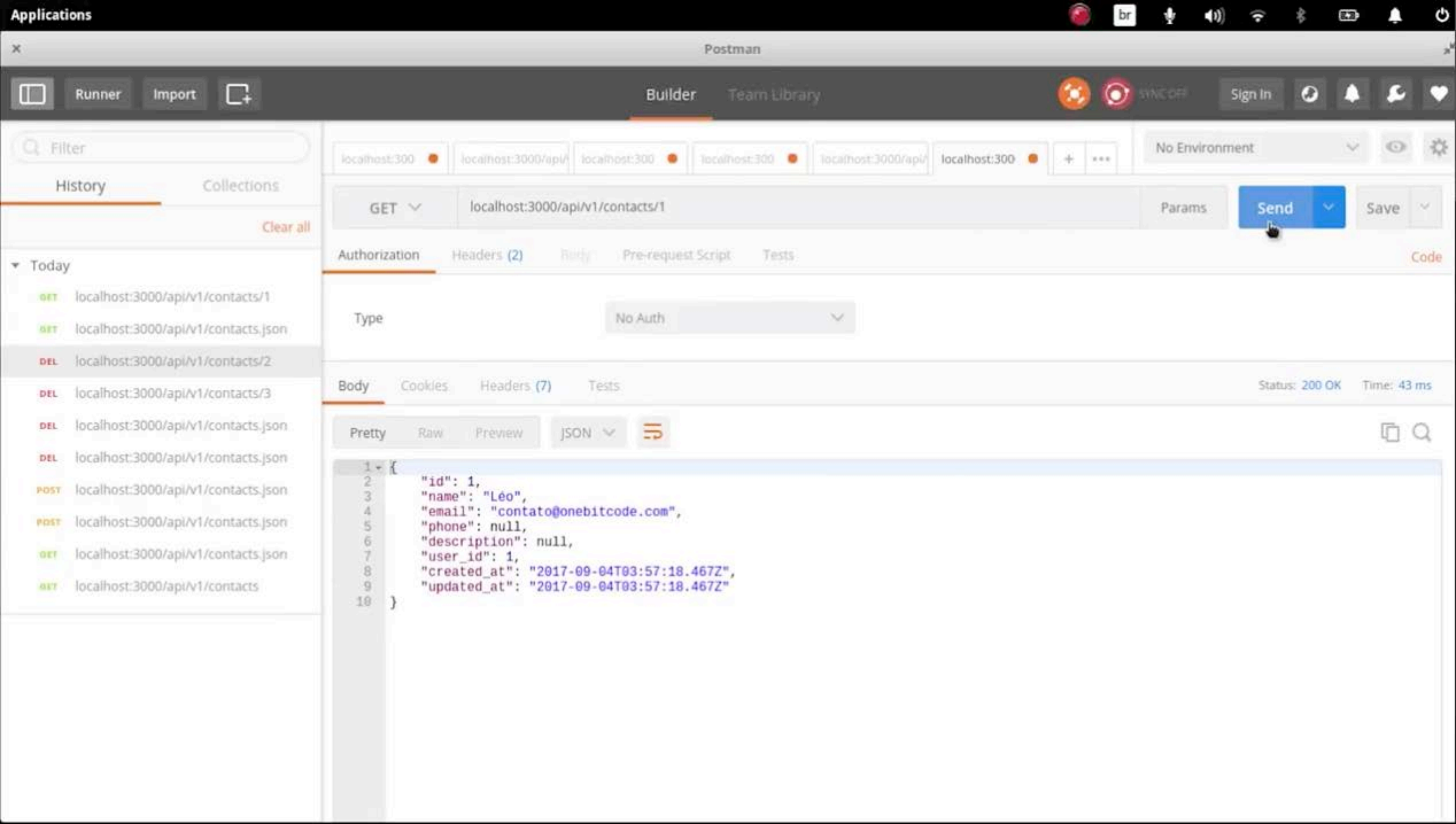
```
1 {
2   {
3     "id": 1,
4     "name": "Léo",
5     "email": "contato@onebitcode.com",
6     "phone": null,
7     "description": null,
8     "user_id": 1,
9     "created_at": "2017-09-04T03:57:18.467Z",
10    "updated_at": "2017-09-04T03:57:18.467Z"
11  },
12  {
13    "id": 2,
14    "name": "x",
15    "email": "x@onebitcode.com",
16    "phone": null,
17    "description": null,
18    "user_id": 1,
19    "created_at": "2017-09-04T03:57:57.158Z",
20    "updated_at": "2017-09-04T03:57:57.158Z"
21  }
22 }
```

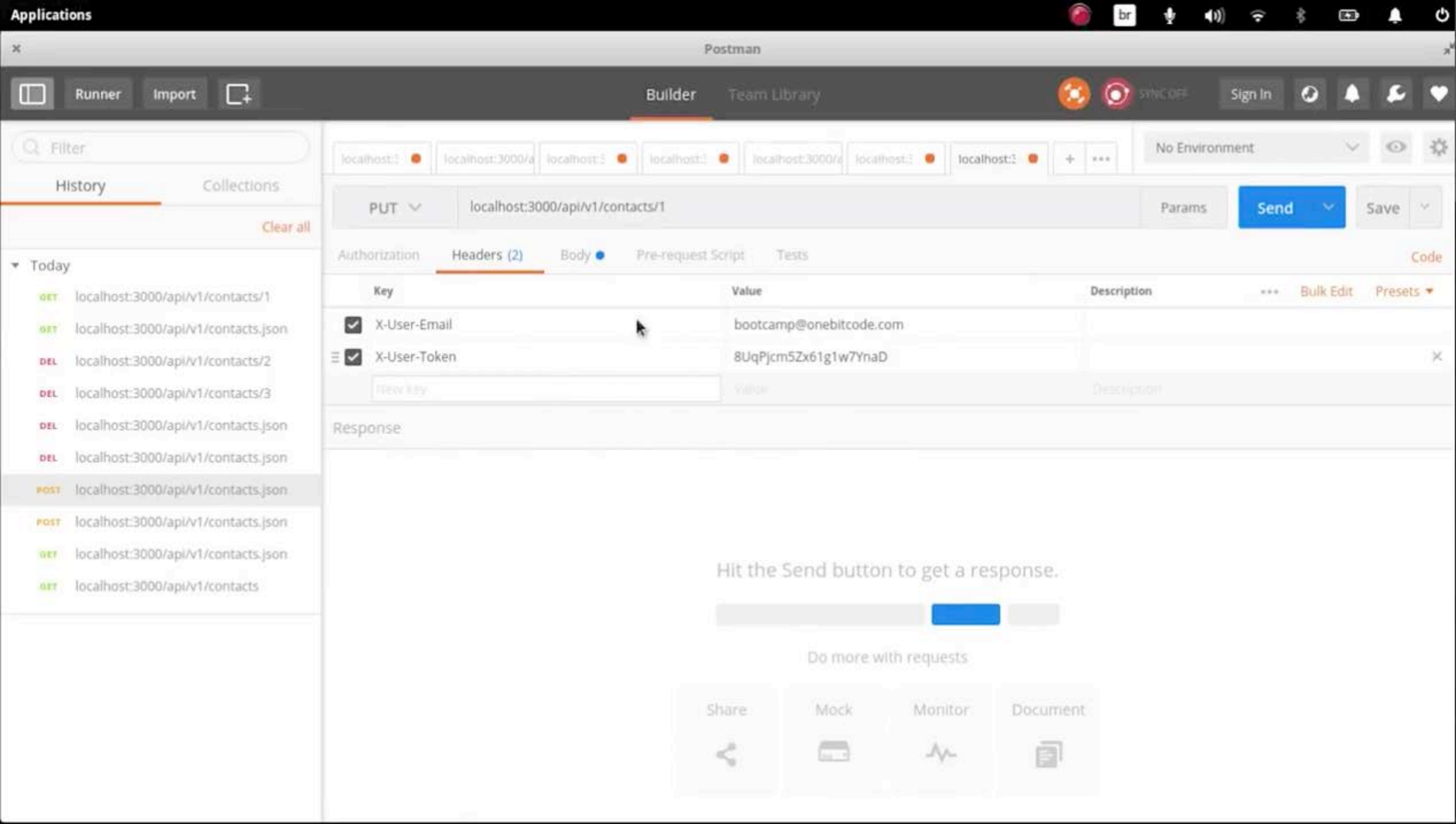













Filter

History Collections

Clear all

Today

- GET localhost:3000/api/v1/contacts/1
- GET localhost:3000/api/v1/contacts.json
- DEL localhost:3000/api/v1/contacts/2
- DEL localhost:3000/api/v1/contacts/3
- DEL localhost:3000/api/v1/contacts.json
- DEL localhost:3000/api/v1/contacts.json
- POST localhost:3000/api/v1/contacts.json
- POST localhost:3000/api/v1/contacts.json
- GET localhost:3000/api/v1/contacts.json
- GET localhost:3000/api/v1/contacts

Environment bar: localhost:3000/a, localhost:3000/a, localhost:3000/a, localhost:3000/a, localhost:3000/a, localhost:3000/a, +, ...

No Environment

PUT localhost:3000/api/v1/contacts/1

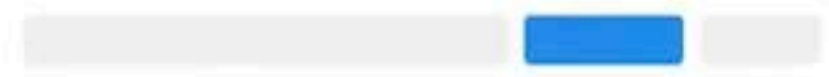
Params Send Save

Authorization Headers (2) Body Pre-request Script Tests

Key	Value	Description	...	Bulk Edit	Presets
<input checked="" type="checkbox"/> X-User-Email	bootcamp@onebitcode.com				
<input checked="" type="checkbox"/> X-User-Token	8UqPjcm5Zx61g1w7YnaD				
<input type="text" value="New key"/>	<input type="text" value="Value"/>	<input type="text" value="Description"/>			

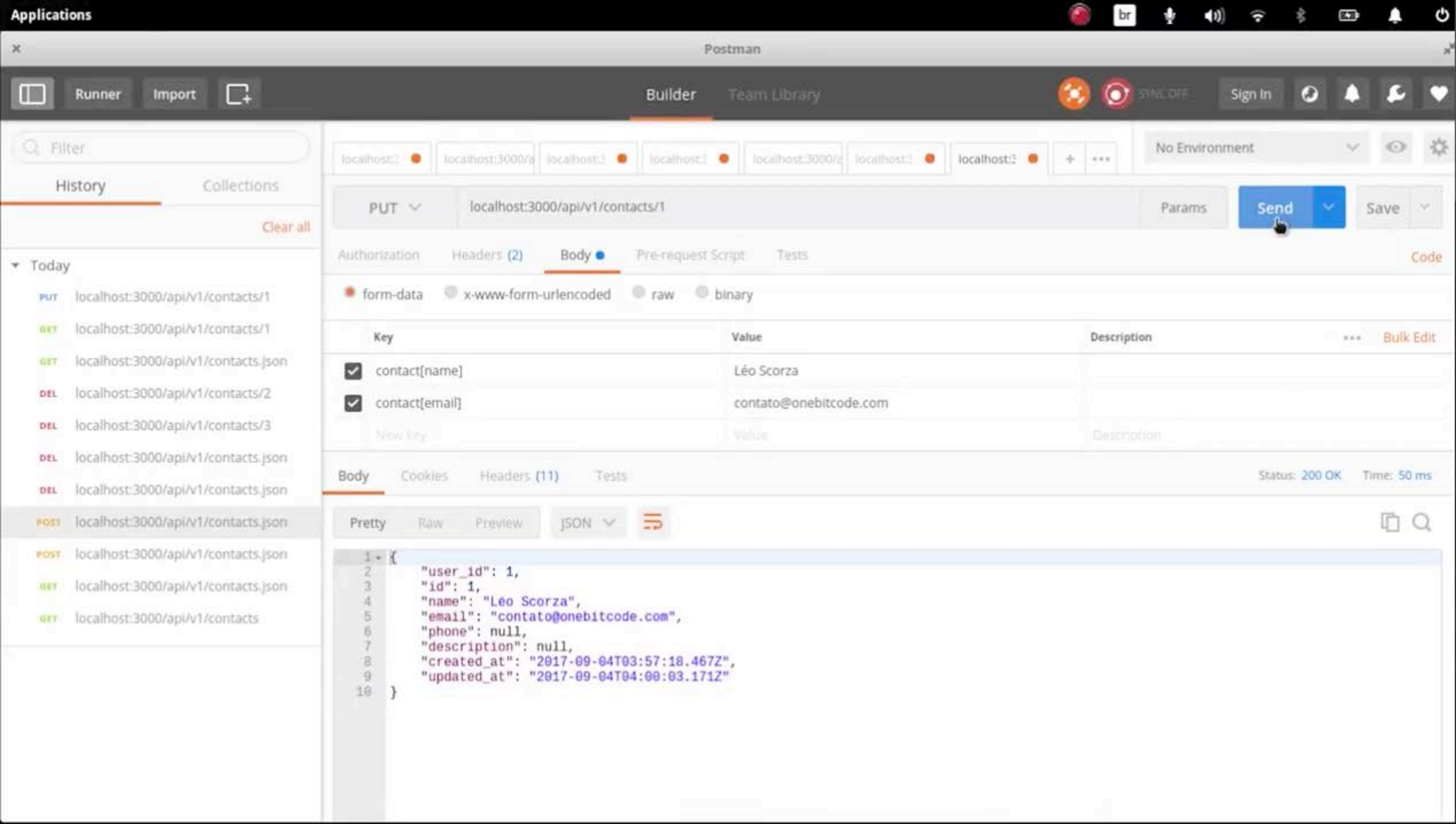
Response

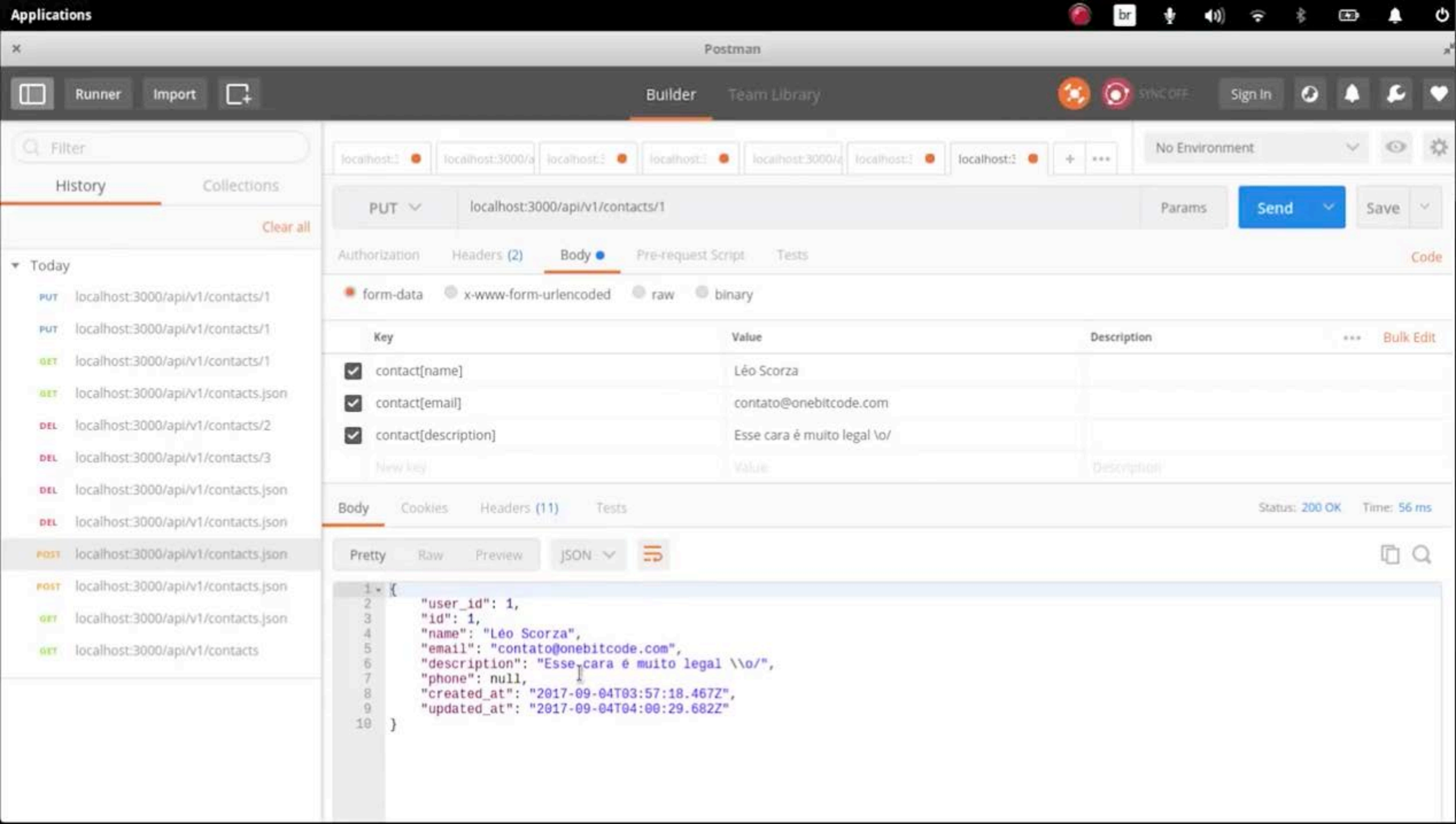
Hit the Send button to get a response.



Do more with requests

Share Mock Monitor Document





Runner

Import



Builder

Team Library



SYNC OFF

Sign In



History

Collections

Clear all

▼ Today

- PUT localhost:3000/api/v1/contacts/1
- PUT localhost:3000/api/v1/contacts/1
- GET localhost:3000/api/v1/contacts/1
- GET localhost:3000/api/v1/contacts.json
- DEL localhost:3000/api/v1/contacts/2
- DEL localhost:3000/api/v1/contacts/3
- DEL localhost:3000/api/v1/contacts.json
- DEL localhost:3000/api/v1/contacts.json
- POST localhost:3000/api/v1/contacts.json
- POST localhost:3000/api/v1/contacts.json
- GET localhost:3000/api/v1/contacts.json
- GET localhost:3000/api/v1/contacts

localhost:3000

localhost:3000/a

localhost:3000

localhost:3000

localhost:3000/a

localhost:3000

localhost:3000

+

...

No Environment

▼



PUT ▼

localhost:3000/api/v1/contacts/1

Params

Send ▼

Save ▼

Authorization

Headers (2)

Body ●

Pre-request Script

Tests

Code

☒ form-data☐ x-www-form-urlencoded☐ raw☐ binary

Key

Value

Description

...

Bulk Edit



contact[name]

Léo Scorza



contact[email]

contato@onebitcode.com



contact[description]

Esse cara é muito legal \o/

New key

Value

Description

Body

Cookies

Headers (11)

Tests

Status: 200 OK

Time: 56 ms

Pretty

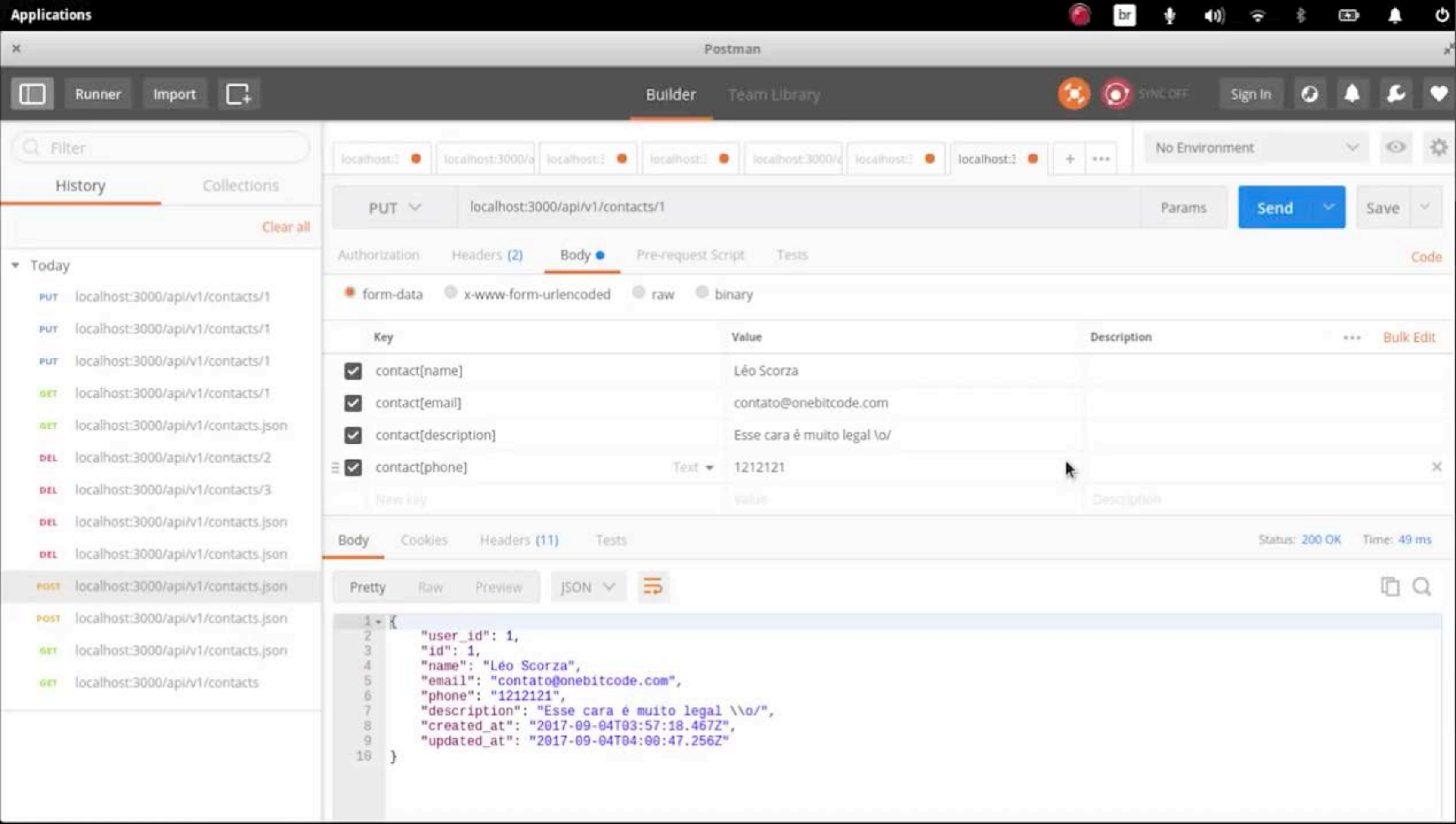
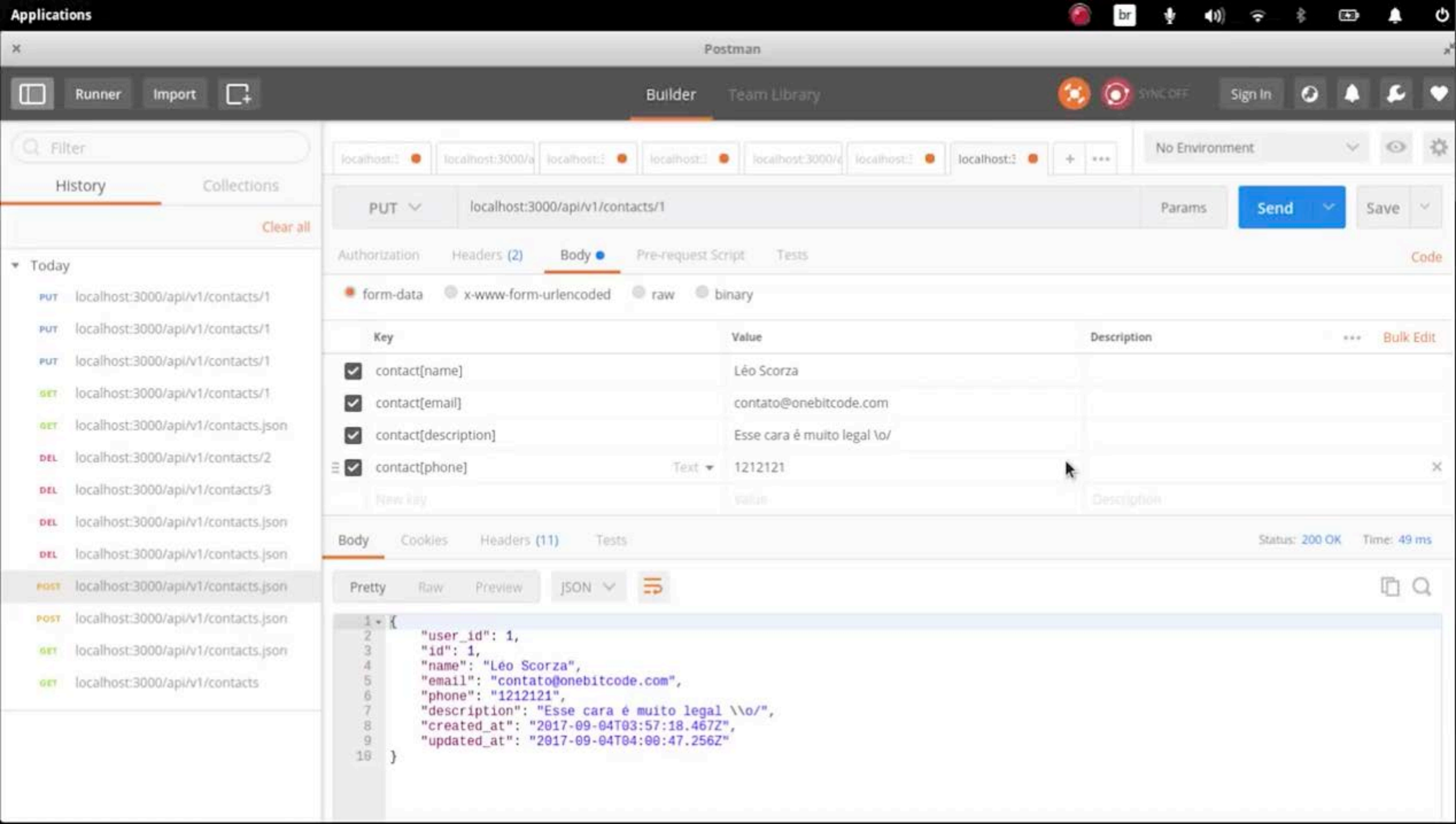
Raw

Preview

JSON ▼



```
1 {
2   "user_id": 1,
3   "id": 1,
4   "name": "Léo Scorza",
5   "email": "contato@onebitcode.com",
6   "description": "Esse cara é muito legal \o/",
7   "phone": null,
8   "created_at": "2017-09-04T03:57:18.467Z",
9   "updated_at": "2017-09-04T04:00:29.682Z"
10 }
```





- ◆ Pagar os retornos do endpoint /contacts
- ◆ Criar a estrutura para permitir a inclusão de múltiplos endereços nos Contatos

INSCRIÇÕES ABERTAS

<http://super.onebitcode.com/bootcamp>



BOOTCAMP
ONE BIT CODE

SUPER FULL STACK