



> RubyThursday

Ruby Snack #45

Delete Multiple Child Objects
With Checkboxes

Hosted By: Melissa Wahnish

What You'll Learn in this Episode



- How to write a test that checks multiple checkboxes
- How to delete multiple child objects with a custom controller action

Want To Code Along?



Clone the RubyThursday example app with this branch:

```
$ git clone -b ruby_snack_44 --single-branch  
https://github.com/melissawahnish/ruby-thursday.git  
$ cd ruby_thursday  
$ bundle  
$ rails db:create db:migrate
```

Feature Spec



spec/features/delete_multiple_evaluations_spec.rb

```
require 'rails_helper'

feature "Delete Multiple Evaluations" do

  let(:crew_member) { FactoryGirl.create(:crew_member) }

  let!(:evaluation1) { FactoryGirl.create(:evaluation, crew_member:
crew_member) }

  let!(:evaluation2) { FactoryGirl.create(:evaluation, crew_member:
crew_member) }

  let!(:evaluation3) { FactoryGirl.create(:evaluation, crew_member:
crew_member) }
```


Feature Spec (cont.)



```
scenario "by selecting multiple evaluations" do
  visit crew_member_evaluations_path(crew_member)
  expect(page).to have_link("Edit", href:
edit_crew_member_evaluation_path(crew_member, evaluation1))
  find(:css, "#evaluations_ids_[value='1']").set(true)
  find(:css, "#evaluations_ids_[value='2']").set(true)
  click_button "Delete selected evaluations"
  expect(page).to have_content "Evaluations successfully deleted."
  expect(page).to_not have_link("Edit", href:
edit_crew_member_evaluation_path(crew_member, evaluation1))
  expect(page).to_not have_link("Edit", href:
edit_crew_member_evaluation_path(crew_member, evaluation2))
  expect(Evaluation.count).to eq 1
end
end
```

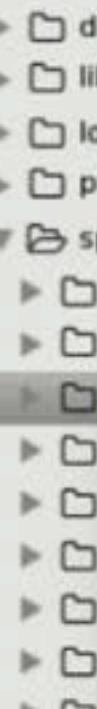
Evaluation Factory



spec/factories/evaluations.rb

```
FactoryGirl.define do
  factory :evaluation do
    star_date Date.yesterday
    assessment FFaker::Lorem.paragraph
    rating "acceptable"
    crew_member nil
  end
end
```

▼ ruby_thursday



app
bin
config
db
lib
log
public
spec
controllers
factories
h
n
n
n
n
n
s
views
rails_helper.rb
spec_helper.rb
tmp
vendor
.gitignore
.rspec
Capfile
Gemfile
Gemfile.lock
README.rdoc
Rakefile
config.ru

New File
Rename
New Folder
Delete Folder
Find in Folder

- New File
- Rename...
- New Folder...
- Delete Folder
- Find in Folder...

1

Line 1, Column 1

Tab Size: 2

Plain Text

FOLDERS

- ▼ ruby_thursday
 - ▼ app
 - ▶ assets
 - ▶ controllers
 - ▶ helpers
 - ▶ mailers
 - ▶ models
 - ▶ views
 - ▶ bin
 - ▶ config
 - ▶ db
 - ▶ lib
 - ▶ log
 - ▶ public
 - ▼ spec
 - ▶ controllers
 - ▶ factories
 - ▶ features
 - ▶ helpers
 - ▶ mailers
 - ▶ models
 - ▶ requests
 - ▶ routing
 - ▶ support
 - ▶ views
 - rails_helper.rb
 - spec_helper.rb
 - ▶ tmp
 - ▶ vendor
 - .gitignore
 - .rspec
 - Capfile
 - Gemfile
 - Gemfile.lock
 - README.rdoc

```
delete_multiple_evaluations_spec.rb
1 require 'rails_helper'
2
3 feature "Delete Multiple Evaluations" do
4
5   let(:crew_member) { FactoryGirl.create(:crew_member) }
6   let!(:evaluation1) { FactoryGirl.create(:evaluation, crew_member: crew_member) }
7   let!(:evaluation2) { FactoryGirl.create(:evaluation, crew_member: crew_member) }
8   let!(:evaluation3) { FactoryGirl.create(:evaluation, crew_member: crew_member) }
9
10  scenario "by selecting multiple evaluations" do
11    visit crew_member_evaluations_path(crew_member)
12    expect(page).to have_content evaluation1.assessment
13
14    find(:css, "#evaluations_ids [value='1']").set(true)
15    find(:css, "#evaluations_ids [value='2']").set(true)
16    click_button "Delete selected evaluations"
17
18    expect(page).to have_content "Evaluations successfully deleted."
19    expect(page).to_not have_link("Edit", href: edit_crew_member_evaluation_path(crew_member, evaluation1))
20    expect(page).to_not have_link("Edit", href: edit_crew_member_evaluation_path(crew_member, evaluation2))
21    expect(Evaluation.count).to eq 1
22  end
23 end
```


- concerns
 - application_controller.rb
 - crew_members_controller.rb
 - evaluations_controller.rb
 - home_controller.rb
 - starships_controller.rb
- helpers
- mailers
- models
 - concerns
 - .keep
 - admin.rb
 - application_record.rb
 - crew_member.rb
 - evaluation.rb
 - hacker.rb
 - holodeck_program.rb
 - starship.rb
- views
 - admin
 - crew_members
 - devise
 - evaluations
 - _evaluation.json.jbuilder
 - _form.html.erb
 - edit.html.erb
 - index.html.erb
 - index.json.jbuilder
 - new.html.erb
 - show.html.erb
 - show.json.jbuilder
 - home
 - layouts
 - starship_mailer
 - starships
- bin

```
delete_multiple_evaluations_spec.rb * evaluations.rb *
1  FactoryGirl.define do
2    factory :evaluation do
3      star_date "MyString"
4      date "MyString"
5      assessment "MyText"
6      rating 1
7      crew_member nil
8    end
9  end
10
```

- concerns
 - application_controller.rb
 - crew_members_controller.rb
 - evaluations_controller.rb
 - home_controller.rb
 - starships_controller.rb
- helpers
- mailers
- models
 - concerns
 - .keep
 - admin.rb
 - application_record.rb
 - crew_member.rb
 - evaluation.rb
 - hacker.rb
 - holodeck_program.rb
 - starship.rb
- views
 - admin
 - crew_members
 - devise
 - evaluations
 - _evaluation.json.jbuilder
 - _form.html.erb
 - edit.html.erb
 - index.html.erb
 - index.json.jbuilder
 - new.html.erb
 - show.html.erb
 - show.json.jbuilder
 - home
 - layouts
 - starship_mailer
 - starships
- bin

```
delete_multiple_evaluations_spec.rb * evaluations.rb *
1  FactoryGirl.define do
2    factory :evaluation do
3      star_date Date.yesterday
4      assessment FFaker::Lorem.paragraph
5      rating "acceptable"
6      crew_member nil
7    end
8  end
9
```



```
melissa@melissa-Inspiron-3542: /media/melissa/1008c8d7-0aef-4eb3-9565-2d2d62792919/melissa/Site
melissa@melissa-Inspiron-3542: /media/melissa/1008c8d7-0aef-4eb3-9565-2d2d62792919/melissa/Sites/ruby_thurs
ruby_thursday (ruby_snack_45)$ rspec spec/features/delete_multiple_evaluations_s
pec.rb
F

Failures:

  1) Delete Multiple Evaluations by selecting multiple evaluations
     Failure/Error: find(:css, "#evaluations_ids [value='1']").set(true)

     Capybara::ElementNotFound:
       Unable to find css "#evaluations_ids [value='1']"
       # /home/melissa/.rvm/gems/ruby-2.2.2/gems/capybara-2.7.1/lib/capybara/node/
finders.rb:44:in `block in find'
       # /home/melissa/.rvm/gems/ruby-2.2.2/gems/capybara-2.7.1/lib/capybara/node/
base.rb:85:in `synchronize'
       # /home/melissa/.rvm/gems/ruby-2.2.2/gems/capybara-2.7.1/lib/capybara/node/
finders.rb:33:in `find'
       # /home/melissa/.rvm/gems/ruby-2.2.2/gems/capybara-2.7.1/lib/capybara/sessi
on.rb:699:in `block (2 levels) in <class:Session>'
       # /home/melissa/.rvm/gems/ruby-2.2.2/gems/capybara-2.7.1/lib/capybara/dsl.r
b:52:in `block (2 levels) in <module:DSL>'
       # ./spec/features/delete_multiple_evaluations_spec.rb:14:in `block (2 level
s) in <top (required)>'

Finished in 2.21 seconds (files took 2.89 seconds to load)
1 example, 1 failure

Failed examples:

rspec ./spec/features/delete_multiple_evaluations_spec.rb:10 # Delete Multiple E
valuations by selecting multiple evaluations

ruby_thursday (ruby_snack_45)$
```




```
<p id="notice"><%= notice %></p>
<h1>Evaluations</h1>
<%= form_tag destroy_multiple_crew_member_evaluations_path, method: :delete do
  %>
  <table>
    <thead>
      <tr>
        <th>Star date</th>
        <th>Date</th>
        <th>Assessment</th>
        <th>Rating</th>
        <th>Crew member</th>
        <th colspan="3"></th>
      </tr>
    </thead>
```

Evaluation Index (cont.)



```
<tbody>
<% @evaluations.each do |evaluation| %>
  <tr>
    <td><%= evaluation.star_date %></td>
    <td><%= evaluation.assessment %></td>
    <td><%= evaluation.rating %></td>
    <td><%= link_to 'Show',
crew_member_evaluation_path(@crew_member, evaluation) %></td>
    <td><%= link_to 'Edit',
edit_crew_member_evaluation_path(@crew_member, evaluation) %></td>
    <td><%= link_to 'Destroy', [@crew_member, evaluation], method:
:delete, data: { confirm: 'Are you sure?' } %></td>
```

Evaluation Index (cont.)



```
<td><%= label_tag "evaluations_ids[]", "Select for deletion" %>
<%= check_box_tag "evaluations_ids[]", evaluation.id %></td>

</tr>

<% end %>

</tbody>

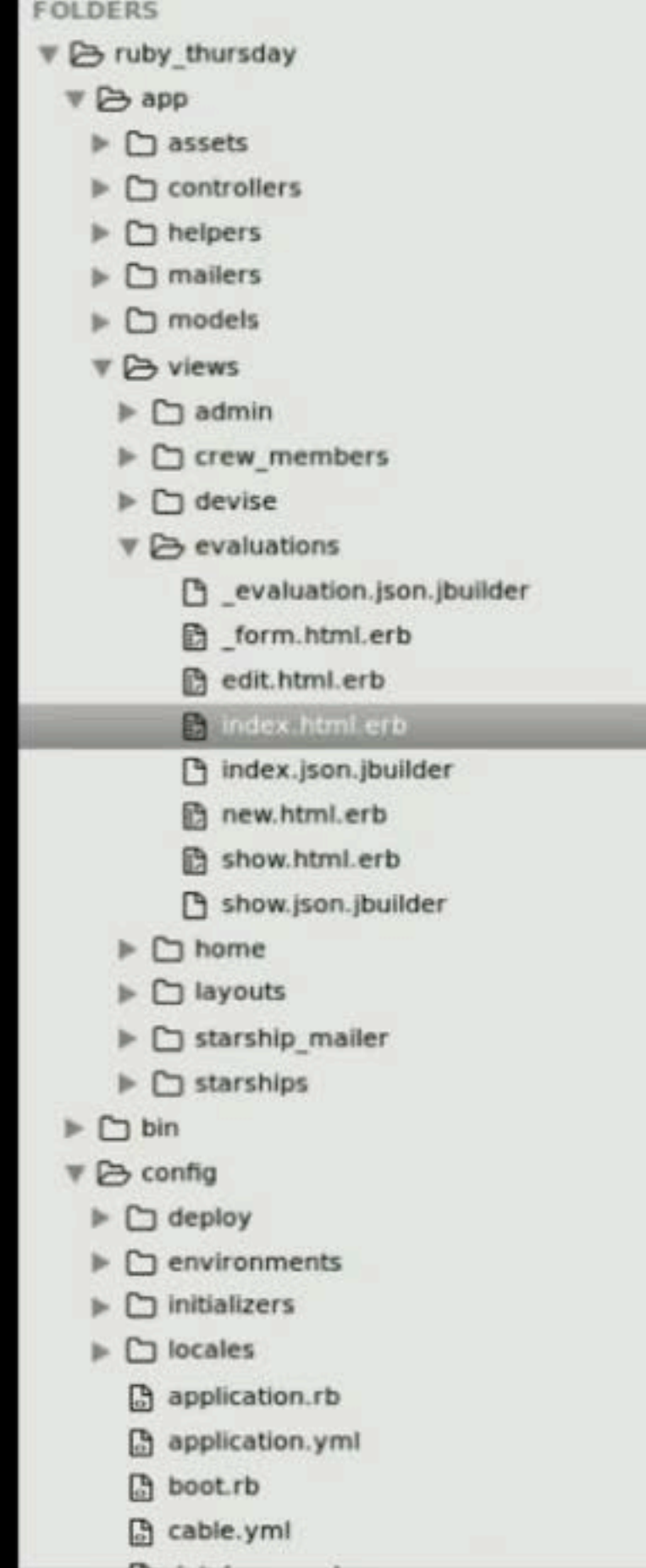
</table>

<%= submit_tag "Delete selected evaluations" %>

<% end %>

<br>

<%= link_to 'New Evaluation',
new_crew_member_evaluation_path(@crew_member) %>
```

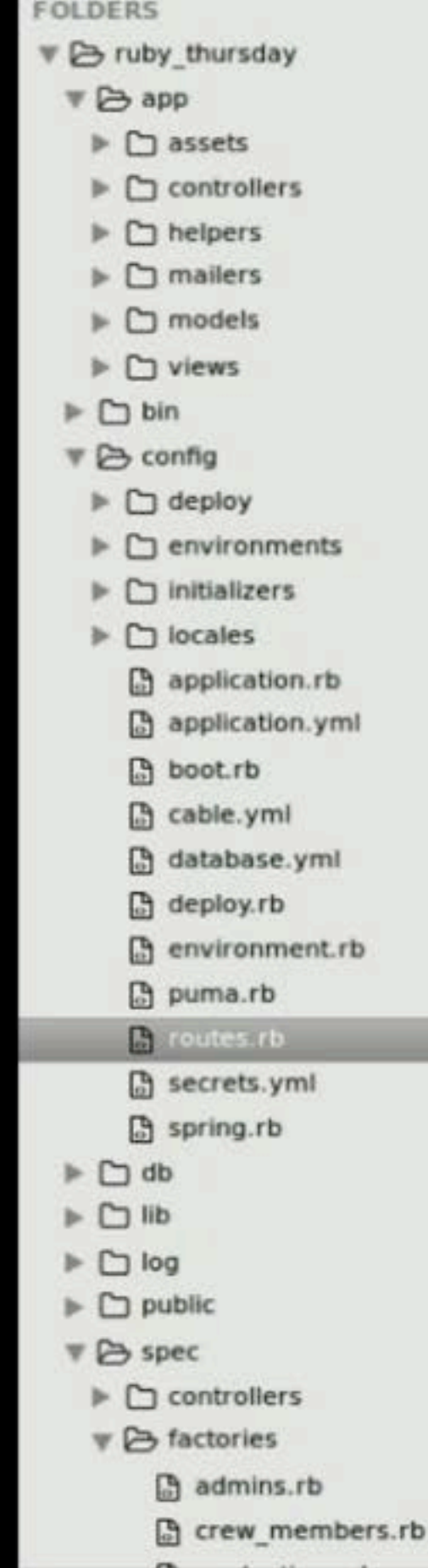
```
delete_multiple_evaluations_spec.rb x evaluations.rb x routes.rb x index.html.erb x
1 <p id="notice"><%= notice %></p>
2
3 <h1>Evaluations</h1>
4
5 <table>
6   <thead>
7     <tr>
8       <th>Star date</th>
9       <th>Date</th>
10      <th>Assessment</th>
11      <th>Rating</th>
12      <th>Crew member</th>
13      <th colspan="3"></th>
14    </tr>
15  </thead>
16
17  <tbody>
18    <%= @evaluations.each do |evaluation| %>
19      <tr>
20        <td><%= evaluation.star_date %></td>
21        <td><%= evaluation.date %></td>
22        <td><%= evaluation.assessment %></td>
23        <td><%= evaluation.rating %></td>
24        <td><%= link_to 'Show', crew_member_evaluation(@crew_member,
25          evaluation) %></td>
26        <td><%= link_to 'Edit', edit_crew_member_evaluation_path(@crew_member
27          , evaluation) %></td>
28        <td><%= link_to 'Destroy', [@crew_member, evaluation], method: :
29          delete, data: { confirm: 'Are you sure?' } %></td>
30      </tr>
```

Routes



config/routes.rb

```
resources :crew_members, only: [:new, :create] do
  resources :evaluations do
    collection do
      delete 'destroy_multiple'
    end
  end
end
```

```
delete_multiple_evaluations_spec.rb x evaluations.rb x routes.rb x
1 Rails.application.routes.draw do
2
3   resources :starships
4
5   resources :crew_members, only: [:new, :create] do
6     resources :evaluations
7   end
8
9   resources :crew_members, only: [:new, :create]
10
11   # You can use this one, which allows you to add more routes into the admin
12   namespace :admin do
13     resources :hackers, only: [:index]
14   end
15
16   # Or use this
17   # get 'admin/hackers', to: 'admin/hackers#index'
18
19   get 'starships/create_your_own_starship'
20
21   devise_for :admins
22   devise_for :hackers
23   root 'home#index'
24
25   # The priority is based upon order of creation: first created -> highest pr
26   # See how all your routes lay out with "rake routes".
27
28   # You can have the root of your site routed with "root"
29   # root 'welcome#index'
```


Evaluation Controller



```
app/controllers/evaluations_controller.rb
```

```
def destroy_multiple
  Evaluation.where(id: params[:evaluations_ids]).destroy_all

  respond_to do |format|
    format.html { redirect_to
crew_member_evaluations_path(@crew_member), notice: "Evaluations
successfully deleted." }
    format.json { head :no_content }
  end
end
```

▼ ruby_thursday

▼ app

▶ assets

▼ controllers

▶ admin

▶ concerns

application_controller.rb

crew_members_controller.rb

evaluations_controller.rb

home_controller.rb

starships_controller.rb

▶ helpers

▶ mailers

▼ models

▶ concerns

.keep

admin.rb

application_record.rb

crew_member.rb

evaluation.rb

hacker.rb

holodeck_program.rb

starship.rb

▼ views

▶ admin

▶ crew_members

▶ devise

▼ evaluations

_evaluation.json.jbuilder

_form.html.erb

edit.html.erb

index.html.erb

index.json.jbuilder

new.html.erb

show.html.erb

delete_multiple_evaluations_spec.rb ×

evaluations.rb ×

index.html.erb ×

routes.rb ×

evaluations_controller.rb ×

```
6   @evaluations = @crew_member.evaluations.all
7   end
8
9   def show
10  end
11
12  def new
13    @evaluation = @crew_member.evaluations.new
14  end
15
16  def edit
17  end
18
19  def create
20    @evaluation = @crew_member.evaluations.create(evaluation_params)
21
22    respond_to do |format|
23      if @evaluation.save
24        format.html { redirect_to crew_member_evaluation_path(@crew_member, @evaluation) }
25        format.json { render :show, status: :created, location: @evaluation }
26      else
27        format.html { render :new }
28        format.json { render json: @evaluation.errors, status: :unprocessable_entity }
29      end
30    end
31  end
32
33  def update
34    respond_to do |format|
```



```
34 respond_to do |format|
35   if @evaluation.update(evaluation_params)
36     format.html { redirect_to crew_member_evaluation_path(@crew_member, @evaluation) }
37     format.json { render :show, status: :ok, location: @evaluation }
38   else
39     format.html { render :edit }
40     format.json { render json: @evaluation.errors, status: :unprocessable_entity }
41   end
42 end
43 end
44
45 def destroy
46   @evaluation.destroy
47   respond_to do |format|
48     format.html { redirect_to crew_member_evaluations_path(@crew_member), notice: "Evaluation destroyed." }
49     format.json { head :no_content }
50   end
51 end
52
53 def destroy_multiple
54   Evaluation.where(id: params[:evaluations_ids]).destroy_all
55
56   respond_to do |format|
57     format.html { redirect_to crew_member_evaluations_path(@crew_member), notice: "Evaluations destroyed." }
58     format.json { head :no_content }
59   end
60 end
61
62 private
```



```
melissa@melissa-Inspiron-3542: /media/melissa/1008c8d7-0aef-4eb3-9565-2d2d62792919/melissa/Sites
melissa@melissa-Inspiron-3542: /media/melissa/1008c8d7-0aef-4eb3-9565-2d2d62792919/melissa/Sites/ruby_thurs
ruby_thursday (ruby_snack_45)$ rspec spec/features/delete_multiple_evaluations_s
pec.rb
.

Finished in 6.46 seconds (files took 10.65 seconds to load)
1 example, 0 failures

ruby_thursday (ruby_snack_45)$
```

Resources



<http://stackoverflow.com/questions/8297624/how-to-check-a-checkbox-in-capybara>

<http://stackoverflow.com/questions/22443064/rails-destroy-multiple-record-through-check-boxes>



> RubyThursday_