

UNIVERSIDAD NACIONAL AUTÓNOMA DE NICARAGUA

UNAN-León.



Facultad de Ciencias y Tecnología

Carrera: Ingeniería en Telemática.

Componente: Software como un Servicio.

Grupo: #2.

Docente: Ervin Montes.

Nombre:

- Rosa Arellys Orozco Lira.

Fecha: 01/10/2024.

¡A la libertad por la universidad!

1. Generar un nuevo proyecto.

```
joysi@debian: ~  
root@debian:/home/joysi/p_RoR/pract8# rails new App_RoR -T  
  create  
  create  README.md  
  create  Rakefile  
  create  .ruby-version  
  create  config.ru  
  create  .gitignore  
  create  .gitattributes  
  create  Gemfile  
  run git init -b main from "."  
Inicializado repositorio Git vacío en /home/joysi/p_RoR/pract8/App_RoR/.git/  
  create  app  
  create  app/assets/config/manifest.js  
  create  app/assets/stylesheets/application.css  
  create  app/channels/application_cable/channel.rb  
  create  app/channels/application_cable/connection.rb  
  create  app/controllers/application_controller.rb  
  create  app/helpers/application_helper.rb  
  create  app/jobs/application_job.rb  
  create  app/mailers/application_mailer.rb  
  create  app/models/application_record.rb  
  create  app/views/layouts/application.html.erb  
  create  app/views/layouts/mailer.html.erb  
  create  app/views/layouts/mailer.text.erb
```

2. Agregar las gemas que se utilizarán en el proyecto, dentro grupo development, test.

```
joysi@debian: ~  
GNU nano 7.2 Gemfile *  
group :development, :test do  
  # See https://guides.rubyonrails.org/debugging\_rails\_applications.html#debugg  
  gem "debug", platforms: %i[ mri mswin mswin64 mingw x64_mingw ]  
  gem "rspec-rails", "~>3.7"  
  gem 'capybara'  
  gem 'database_cleaner'  
end
```

3. Ejecutar el siguiente comando en el terminal para instalar las gemas.

```
joysi@debian: ~  
Using actionmailer 7.1.3.4  
Using sprockets-rails 3.5.1  
Using importmap-rails 2.0.1  
Using web-console 4.2.1  
Using stimulus-rails 1.3.3  
Using turbo-rails 2.0.6  
Using rails 7.1.3.4  
Installing database_cleaner-core 2.0.1  
Installing rspec-support 3.9.4  
Fetching database_cleaner-active_record 2.2.0  
Fetching rspec-core 3.9.3  
Fetching rspec-mocks 3.9.1  
Fetching rspec-expectations 3.9.4  
Installing database_cleaner-active_record 2.2.0  
Fetching database_cleaner 2.0.2  
Installing rspec-mocks 3.9.1  
Installing rspec-expectations 3.9.4  
Installing database_cleaner 2.0.2  
Installing rspec-core 3.9.3  
Fetching rspec-rails 3.9.1  
Installing rspec-rails 3.9.1  
Bundle complete! 16 Gemfile dependencies, 87 gems now installed.  
Use `bundle info [gemname]` to see where a bundled gem is installed.  
root@debian: /home/joysi/p_RoR/pract8/App_RoR#
```

4. Ejecutar el siguiente comando para crear los directorios que rspec necesita para trabajar.

```
root@debian: /home/joysi/p_RoR/pract8/App_RoR# rails g rspec:install  
  create  .rspec  
  create  spec  
  create  spec/spec_helper.rb  
  create  spec/rails_helper.rb  
root@debian: /home/joysi/p_RoR/pract8/App_RoR#
```

5. Abrir el archivo `config/application.rb` y agregar el siguiente código dentro de la clase, en el mismo archivo.

 application.rb pract8/App_RoR/config/application.rb

```
17 # Require the gems listed in Gemfile, including any gems
18 # you've limited to :test, :development, or :production.
19 Bundler.require(*Rails.groups)
20
21 module AppRoR
22   class Application < Rails::Application
23     config.generators do |g|
24       g.test_framework :rspec,
25         fixtures: true,
26         view_specs: false,
27         helper_specs: false,
28         routing_specs: false,
29         controller_specs: true,
30         request_specs: false
31     end
32   end
33   # Initialize configuration defaults for originally generated Rails
```

6. Abrir el archivo `rails_helper.rb` y agregar debajo de la línea `require 'rspec/rails'`.

```
9 require 'rspec/rails'
10 require "capybara/rspec"
11 # Add additional requires below this line.
12
```

7. Ejecutar el comando y verificar que no muestra ningún mensaje en rojo.

```
root@debian:/home/joysi/p_RoR/pract8/App_RoR# rspec
No examples found.

Finished in 0.00121 seconds (files took 0.27907 seconds to load)
0 examples, 0 failures
```

8. Para crear páginas estáticas escribir los siguiente en el terminal.

```
root@debian:/home/joysi/p_RoR/pract8/App_RoR# rails generate controller StaticPages home help
    create  app/controllers/static_pages_controller.rb
    route   get 'static_pages/home'
           get 'static_pages/help'
    invoke  erb
    create  app/views/static_pages
    create  app/views/static_pages/home.html.erb
    create  app/views/static_pages/help.html.erb
    invoke  rspec
    create  spec/controllers/static_pages_controller_spec.rb
    invoke  helper
    create  app/helpers/static_pages_helper.rb
    invoke  rspec
root@debian:/home/joysi/p_RoR/pract8/App_RoR#
```

9. Verificar la configuración del archivo routes.rb.

```
Rails.application.routes.draw do
  get 'static_pages/home'
  get 'static_pages/help'
  # Define your application routes per the
```

10. Verificar que se han creado las vistas en app/views/static_pages/.

```
▼ static_pages
  <> help.html.erb
  <> home.html.erb
```

11. Agregar al archivo home.html.erb.

```
<> home.html.erb pract8/App_RoR/app/views/static_pages/home.html.erb

1  <h1>Sample App</h1>
2  <p>
3    This is the home page for the
4    <a href="http://www.railstutorial.org/">Ruby on Rails Tutorial</a>
5    sample application.
6  </p>
```

12. Modificar el archivo help.html.erb.

```
<> help.html.erb pract8/App_RoR/app/views/static_pages/help.html.erb

1  <h1>Help</h1>
2  <p>
3    Get help on the Ruby on Rails Tutorial at the
4    <a href="http://www.railstutorial.org/help">Rails Tutorial help page</a>.
5    To get help on this sample app, see the
6    <a href="http://www.railstutorial.org/book"><em>Ruby on Rails
7    Tutorial</em>
8    book</a>.
9  </p>
```

13. El primer paso será ejecutar el comando `db:migrate` en el terminal para crear el esquema de pruebas con el que se ejecutarán los tests.

```
root@debian:/home/joysi/p_RoR/pract8/App_RoR# rails db:migrate
```

14. Probar hacer testing escribiendo en el terminal el comando.

```
root@debian:/home/joysi/p_RoR/pract8/App_RoR# bundle exec rspec spec/controllers/static_pages_controller_spec.rb
..
```

Deprecation Warnings:

Rails 7.1 has deprecated the singular `fixture_path` in favour of an array. You should migrate to plural:

If you need more of the backtrace for any of these deprecations to identify where to make the necessary changes, you can configure `config.raise_errors_for_deprecations!`, and it will turn the deprecation warnings into errors, giving you the full backtrace.

1 deprecation warning total

Finished in 0.15449 seconds (files took 2.43 seconds to load)

2 examples, 0 failures

15. Agregar siguiente código dentro del archivo `static_pages_controller_spec.rb` del directorio `spec/controllers/`.

```
describe "GET #about" do
  it "returns http success" do
    get :about
    expect(response).to have_http_status(:success)
  end
end
```

16. Ejecutar el comando rspec y ver que muestra el test en rojo.

```
joysi@debian: ~  
root@debian:/home/joysi/p_RoR/pract8/App_RoR# bundle exec rspec spec/controllers/static_pages_controller_spec.rb  
..F  
  
Failures:  
  
1) StaticPagesController GET #about returns http success  
Failure/Error: get :about  
  
  ActionController::UrlGenerationError:  
    No route matches {:action=>"about", :controller=>"static_pages"}  
  # ./spec/controllers/static_pages_controller_spec.rb:21:in `block (3 levels)'  
  in <top (required)>  
  
Deprecation Warnings:  
  
Rails 7.1 has deprecated the singular fixture_path in favour of an array. You should migrate to plural:  
  
If you need more of the backtrace for any of these deprecations to identify where to make the necessary changes, you can configure `config.raise_errors_for_deprecations!`, and it will turn the deprecation warnings into errors, giving you the full backtrace.
```

17. Editar el archivo routes.rb y agregar lo siguiente.

routes.rb pract8/App_RoR/config/routes.rb

```
1 Rails.application.routes.draw do  
2   get 'static_pages/home'  
3   get 'static_pages/help'  
4   get 'static_pages/about'
```

18. Ejecutar el test de nuevo.

```
root@debian:/home/joysi/p_RoR/pract8/App_RoR# bundle exec rspec spec/controllers/static_pages_controller_spec.rb  
..F  
  
Failures:  
  
1) StaticPagesController GET #about returns http success  
Failure/Error: get :about  
  
  ActionController::ActionNotFound:  
    The action 'about' could not be found for StaticPagesController  
  # ./spec/controllers/static_pages_controller_spec.rb:21:in `block (3 levels)'  
  in <top (required)>
```

19. Agregar el método en el archivo controllers/static_pages_controller.rb y luego ejecutar el test.

```
StaticPagesController.rb pract8/App_RoR/app/controllers/static_pages_controller.rb
```

```
1 class StaticPagesController < ApplicationController
2   def home
3   end
4
5   def about
6   end
7
8   def help
9   end
10 end
```

```
root@debian:/home/joysi/p_RoR/pract8/App_RoR# bundle exec rspec spec/controllers
/static_pages_controller_spec.rb
```

```
...F
```

Failures:

```
1) StaticPagesController GET #about returns http success
   Failure/Error: get :about

   ActionController::ActionNotFound:
     The action 'about' could not be found for StaticPagesController
   # ./spec/controllers/static_pages_controller_spec.rb:21:in `block (3 levels
P) in <top (required)>'
```

Deprecation Warnings:

20. Crear una vista para ese método. Crear el archivo about.html.erb en el directorio app/views/static_pages/ y agregar el código html.

```
<> about.html.erb pract8/App_RoR/app/views/static_pages/about.html.erb
```

```
1 <h1>About</h1>
2 <p>
3   The <a href="http://www.railstutorial.org/"><em>Ruby on Rails
4   Tutorial</em></a> is a
5   <a href="http://www.railstutorial.org/book">book</a> and
6   <a href="http://screencasts.railstutorial.org/">screencast series</a>
7   to teach web development with
8   <a href="http://rubyonrails.org/">Ruby on Rails</a>.
9   This is the sample application for the tutorial.
10 </p>
```


21. Para comprobar que todo funciona, ejecutar el test nuevamente.

```
root@debian:/home/joysi/p_RoR/pract8/App_RoR# bundle exec rspec spec/controllers
/static_pages_controller_spec.rb

...

Deprecation Warnings:

Rails 7.1 has deprecated the singular fixture_path in favour of an array. You should migrate to plural:

If you need more of the backtrace for any of these deprecations to identify where to make the necessary changes, you can configure `config.raise_errors_for_deprecations!`, and it will turn the deprecation warnings into errors, giving you the full backtrace.

1 deprecation warning total

Finished in 0.15386 seconds (files took 2.38 seconds to load)
3 examples, 0 failures
```

22. Configurar el título de la página. 6.1. Para que el título de la página cambie por cada una de las vistas a la que se accede en la aplicación, copiar el código en el archivo app/helpers/application_helper.rb dentro del módulo.

application_helper.rb pract8/App_RoR/app/helpers/application_helper.rb

```
1 module ApplicationHelper
2   def full_title(page_title = '')
3     base_title = "Rails_App"
4     if page_title.empty?
5       base_title
6     else
7       page_title + " | " + base_title
8     end
9   end
10 end
```

23. En el archivo app/views/layouts/application.html.erb modificar la línea de la etiqueta title por la siguiente.

```
<!DOCTYPE html>
<html>
  <head>
    <title><%= full_title(yield(:title)) %></title>
    <meta name="viewport" content="width=device-width,initial-scale=1">
    <%= csrf_meta_tags %>
```

24. En el archivo help.html.erb, agregar la siguiente línea en la parte superior del

código.

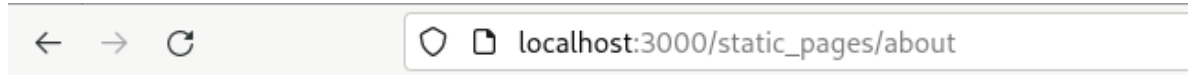
```
<head>
  <% provide(:title, "Help") %>
```

25. En el archivo `about.html.erb`, agregar la siguiente línea en la parte superior de todo el código.

```
<> about.html.erb pract8/App_RoR/app/views/static_pages/about.html.erb
```

```
1 <h1>About</h1>
2 <p>
3 <%= provide(:title, "About") %>
```

26. Navegar en la dirección `http://localhost:3000/static_pages/about` y verificar que cambia el título de la página.



27. Navegar en la dirección `http://localhost:3000/static_pages/help` y verificar que cambia el título de la página.



28. Copiar el código del recuadro, en el archivo `static_pages_controller_spec.rb` del directorio `spec/controllers/`.

```
describe "GET #contact" do
  it "returns http success" do
    get :contact
    expect(response).to have_http_status(:success)
  end
end
```

29. Ejecutar el test y deberá mostrar los siguientes mensajes.

```
joysi@debian: ~  
root@debian:/home/joysi/p_RoR/pract8/App_RoR# bundle exec rspec spec/controllers  
/static_pages_controller_spec.rb  
...F  
  
Failures:  
  
  1) StaticPagesController GET #contact returns http success  
     Failure/Error: get :contact  
  
     ActionController::UrlGenerationError:  
       No route matches {:action=>"contact", :controller=>"static_pages"}  
     # ./spec/controllers/static_pages_controller_spec.rb:28:in `block (3 levels  
) in <top (required)>'  
  
Deprecation Warnings:  
  
Rails 7.1 has deprecated the singular fixture_path in favour of an array. You sho  
uld migrate to plural:  
  
If you need more of the backtrace for any of these deprecations to  
identify where to make the necessary changes, you can configure  
'config.raise_errors_for_deprecations!', and it will turn the  
deprecation warnings into errors, giving you the full backtrace.
```

30. Realizar los mismos pasos que realizo con la página about y hacer que el test pase.

```
Rails.application.routes.draw do  
  get 'static_pages/home'  
  get 'static_pages/help'  
  get 'static_pages/about'  
  get 'static_pages/contact'  
end  
static_pages_controller.rb pract8/App_RoR/app/controllers/static_pages_controller.rb  
  
1  class StaticPagesController < ApplicationController  
2    def home  
3    end  
4  
5    def about  
6    end  
7  
8    def contact  
9    end  
10  
11   def help  
12   end  
13 end
```

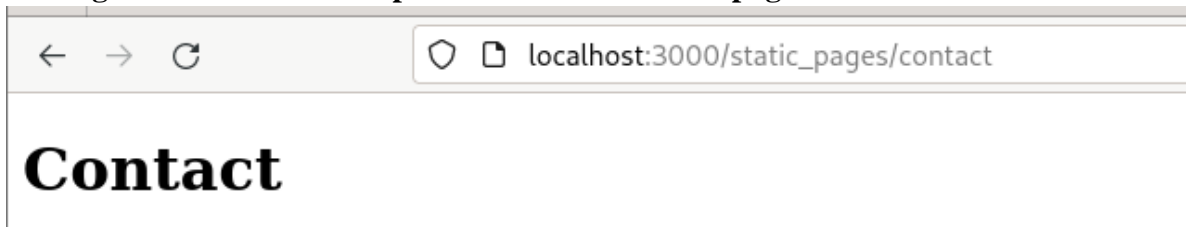
```
root@debian:/home/joysi/p_RoR/pract8/App_RoR/app/views/static_pages# touch contact.html.erb
root@debian:/home/joysi/p_RoR/pract8/App_RoR/app/views/static_pages# ls
about.html.erb  contact.html.erb  help.html.erb  home.html.erb
root@debian:/home/joysi/p_RoR/pract8/App_RoR/app/views/static_pages#
```

- static_pages
 - <> about.html.erb
 - <> contact.html.erb
 - <> help.html.erb
 - <> home.html.erb

contact.html.erb pract8/App_RoR/app/views/static_pages/contact.html.erb

```
1 <h1>Contact</h1>
2 <p>
3   The <a href="http://www.railstutorial.org/"><em>Ruby on Rails
4   Tutorial</em></a> is a
5   <a href="http://www.railstutorial.org/book">book</a> and
6   <a href="http://screencasts.railstutorial.org/">screencast series</a>
7   to teach web development with
8   <a href="http://rubyonrails.org/">Ruby on Rails</a>.
9   This is the sample application for the tutorial.
0 </p>
```

31. . Navegar en la dirección http://localhost:3000/static_pages/contact.



32. . Configurar el archivo `config/routes.rb`, para que la página de inicio del proyecto sea el archivo `home` que se encuentra dentro del directorio `static_pages`, realizar la prueba navegando en la dirección `localhost:3000`, como se muestra en la figura 105.

<> home.html.erb pract8/App_RoR/app/views/static_pages/home.html.erb

```
1 <h1>StaticPages#home</h1>
2 <p>
3   Find me in app/views/static_pages/home.html.erb
4 </p>
```

```
# Defines the root path route ("/")
Rails.application.routes.draw do
  # Define la ruta raíz para que ap
  root 'static_pages#home'
```



localhost:3000/static_pages/home

StaticPages#home

Find me in app/views/static_pages/home.html.erb