

**UNIVERSIDAD NACIONAL AUTONOMA DE
NICARAGUA
UNAN-LEON**



Facultad de ciencias y tecnología
Componente: Software como servicio.

Docente: Ervin Montes

Tema: Guia #6

Integrantes

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Crear un nuevo proyecto en Rails

1.1

```
lenuelp@Debian12:~/Desktop/proyecto_ror$ rails new App_Scaffold
create
create  README.md
create  Rakefile
create  .ruby-version
create  config.ru
create  .gitignore
create  .gitattributes
create  Gemfile
run    git init from "."
```

1.2

```
lenuelp@Debian12:~/Desktop/proyecto_ror$ cd App_Scaffold
lenuelp@Debian12:~/Desktop/proyecto_ror/App_Scaffold$ rails generate scaffold Bu
y category:string description:text amount:decimal
Running via Spring preloader in process 49988
invoke  active_record
create  db/migrate/20240906040323_create_buys.rb
create  app/models/buy.rb
invoke  test_unit
create  test/models/buy_test.rb
create  test/fixtures/buys.yml
invoke  resource_route
route   resources :buys
invoke  scaffold_controller
create  app/controllers/buys_controller.rb
invoke  erb
create  app/views/buys
create  app/views/buys/index.html.erb
create  app/views/buys/edit.html.erb
create  app/views/buys/show.html.erb
create  app/views/buys/new.html.erb
create  app/views/buys/_form.html.erb
```

1. Migrar Datos

```

Create app/assets/stylesheets/scaffolds.scss
lenuelp@Debian12: ~/Desktop/proyecto_ror/App_Scaffold$ rake db:migrate
== 20240906040323 CreateBuys: migrating =====
-- create_table(:buys)
   -> 0.0398s
== 20240906040323 CreateBuys: migrated (0.0404s) =====

```

2. Rutas

```

routes.rb
1 Rails.application.routes.draw do
2   resources :buys
3   # For details on the DSL available within this file, see https://guides.rubyonrails.org/routing.html
4 end
5

```

3.1

```

lenuelp@Debian12: ~/Desktop/proyecto_ror/App_Scaffold$ rails routes

```

Prefix	Verb	URI Pattern	Controller#Action
			buys#index
buys	GET	/buys(.:format)	buys#index
	POST	/buys(.:format)	buys#create
new_buy	GET	/buys/new(.:format)	buys#new
edit_buy	GET	/buys/:id/edit(.:format)	buys#edit
buy	GET	/buys/:id(.:format)	buys#show
	PATCH	/buys/:id(.:format)	buys#update
	PUT	/buys/:id(.:format)	buys#update
	DELETE	/buys/:id(.:format)	buys#destroy

3. Verificar el Controlador

```

routes.rb
1 class BuysController < ApplicationController
2   before_action :set_buy, only: [:show, :edit, :update, :destroy]
3
4   # GET /buys
5   # GET /buys.json
6   def index
7     @buys = Buy.all
8   end
9
10  # GET /buys/1
11  # GET /buys/1.json
12  def show
13  end
14
15  # GET /buys/new
16  def new
17    @buy = Buy.new
18  end
19
20  # GET /buys/1/edit
21  def edit
22  end
23
24  # POST /buys
25  # POST /buys.json
26  def create
27    @buy = Buy.new(buy_params)

```

```
tion Find View Goto Tools Project Preferences Help
routes.rb buys_controller.rb
36   end
37   end
38 end
39
40 # PATCH/PUT /buys/1
41 # PATCH/PUT /buys/1.json
42 def update
43   respond_to do |format|
44     if @buy.update(buy_params)
45       format.html { redirect_to @buy, notice: 'Buy was successfully updated.' }
46       format.json { render :show, status: :ok, location: @buy }
47     else
48       format.html { render :edit }
49       format.json { render json: @buy.errors, status: :unprocessable_entity }
50     end
51   end
52 end
53
54 # DELETE /buys/1
55 # DELETE /buys/1.json
56 def destroy
57   @buy.destroy
58   respond_to do |format|
59     format.html { redirect_to buys_url, notice: 'Buy was successfully destroyed.' }
60     format.json { head :no_content }
61   end
62 end
63
64 private
65 # Use callbacks to share common setup or constraints between actions.
66 def set_buy
67   @buy = Buy.find(params[:id])
68 end
```

4. Configurar el index generado por el scaffold

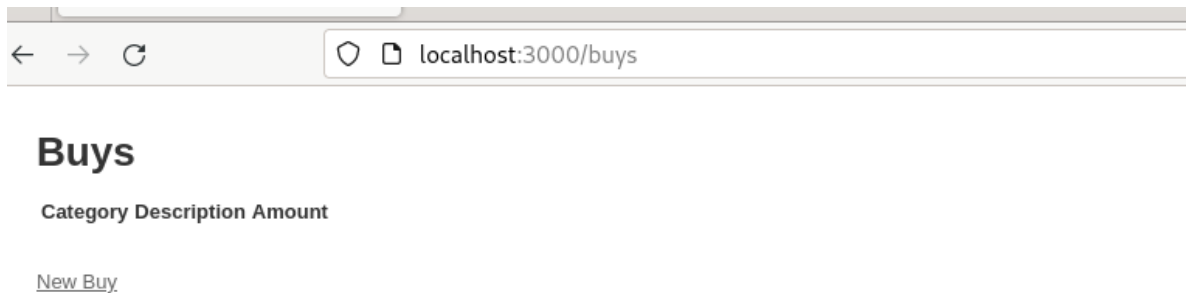
5.1

```
Find View Goto Tools Project Preferences Help
routes.rb buys_controller.rb
1 Rails.application.routes.draw do
2   resources :buys
3   root "buys#index"
4   # For details on the DSL available within this file, see https://guides.rubyonrails.org/routing.html
5 end
6
```

5.2

```
lenueip@Debian12:~/Desktop/proyecto_ror/App_Scaffold$ rails server
=> Booting Puma
=> Rails 6.1.7.3 application starting in development
=> Run `bin/rails server --help` for more startup options
Puma starting in single mode...
* Puma version: 5.6.5 (ruby 3.1.2-p20) ("Birdie's Version")
* Min threads: 5
* Max threads: 5
* Environment: development
* PID: 51692
* Listening on http://127.0.0.1:3000
* Listening on http://[::1]:3000
Use Ctrl-C to stop
```

5.3



5. Verificar el funcionamiento de la vista

6.1

AppScaffold × +

localhost:3000/buys/new

New Buy

Category

Description

Amount

Create Buy

[Back](#)

6.2

localhost:3000/buys/new

New Buy

Category

Description

Amount

Create Buy

[Back](#)

AppScaffold × +

localhost:3000/buys/1

Buy was successfully created.

Category: Mochila

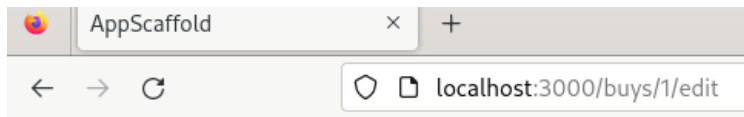
Description: Impermiabile

Amount: 650.0

[Edit](#) | [Back](#)

Segunda Parte

1.1



Editing Buy

Category
Mochila

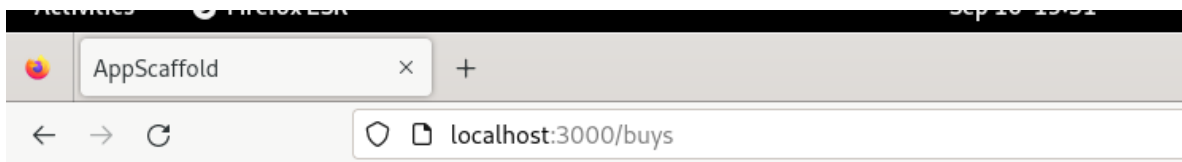
Description
Impermiable

Amount
650.0

[Update Buy](#)

[Show](#) | [Back](#)

1.2



Buys

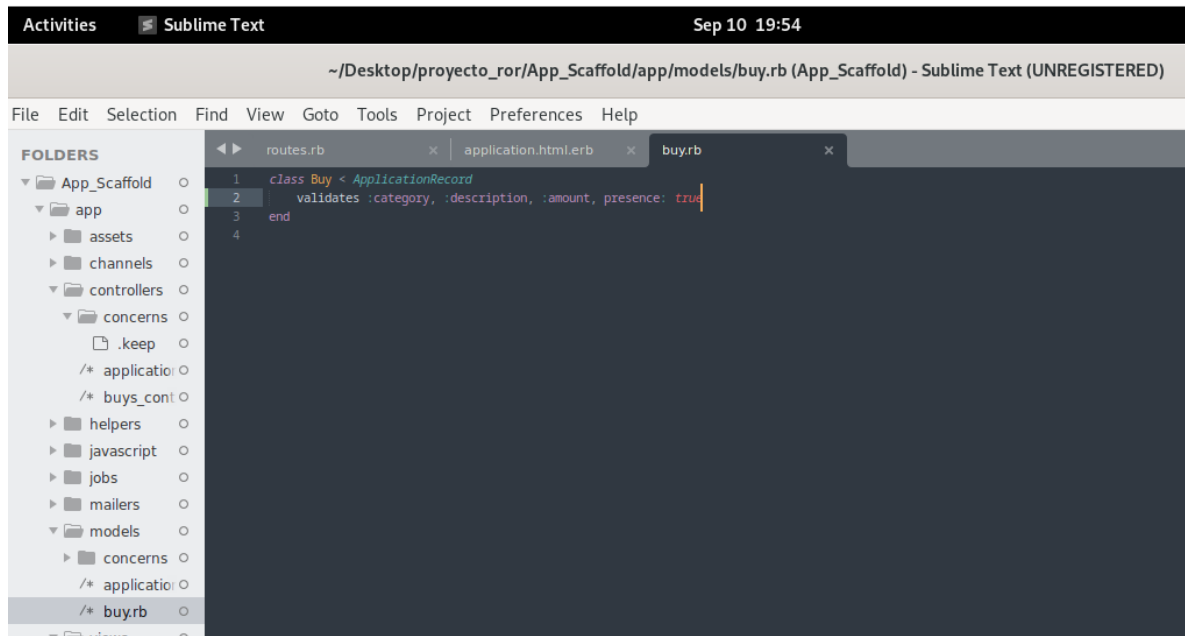
Category Description Amount

Mochila Impermiable 650.0 [Show](#) [Edit](#) [Destroy](#)

[New Buy](#)

2. Validaciones al modelo buy

2.1





New Buy

3 errors prohibited this buy from being saved:

- Category can't be blank
- Description can't be blank
- Amount can't be blank

Category

Description

Amount

Create Buy

[Back](#)

Ejercicios Propuesto

2. new estudiante

1.

```
lenuelp@Debian12: ~/Desktop/proyecto_ror/App_Scaffold$ rails generate scaffold Estudiante Nombre:text Apellido:text Carrera:text Carnet:decimal Fecha_de_nacimiento:date Celular:decimal
Running via Spring preloader in process 53416
invoke  active_record
create  db/migrate/20240911022858_create_estudiantes.rb
create  app/models/estudiante.rb
invoke  test_unit
create  test/models/estudiante_test.rb
create  test/fixtures/estudiantes.yml
invoke  resource_route
route   resources :estudiantes
invoke  scaffold_controller
create  app/controllers/estudiantes_controller.rb
invoke  erb
create  app/views/estudiantes
create  app/views/estudiantes/index.html.erb
create  app/views/estudiantes/edit.html.erb
create  app/views/estudiantes/show.html.erb
create  app/views/estudiantes/new.html.erb
create  app/views/estudiantes/_form.html.erb
invoke  resource_route
invoke  test_unit
create  test/controllers/estudiantes_controller_test.rb
create  test/system/estudiantes_test.rb
```

2.

```
lenuelp@Debian12: ~/Desktop/proyecto_ror/App_Scaffold$ rake db:migrate
== 20240911022858 CreateEstudiantes: migrating =====
-- create_table(:estudiantes)
   -> 0.0440s
== 20240911022858 CreateEstudiantes: migrated (0.0448s) =====

lenuelp@Debian12: ~/Desktop/proyecto_ror/App_Scaffold$
```

3.

```
~/Desktop/proyecto_ror/App_Scaffold/config/routes.rb (App_Scaffold)

ion Find View Goto Tools Project Preferences Help

routes.rb x estudiantes_controller.rb x

1 Rails.application.routes.draw do
2   resources :estudiantes
```

4.

```

lenuelp@Debian12:~/Desktop/proyecto_ror/App_Scaffold$ rails routes
      Prefix Verb   URI Pattern
Controller#Action
      estudiantes GET    /estudiantes(.:format)
estudiantes#index
                POST   /estudiantes(.:format)
estudiantes#create
      new_estudiante GET    /estudiantes/new(.:format)
estudiantes#new
      edit_estudiante GET    /estudiantes/:id/edit(.:format)
estudiantes#edit
      estudiante GET    /estudiantes/:id(.:format)
estudiantes#show
                PATCH  /estudiantes/:id(.:format)
estudiantes#update
                PUT     /estudiantes/:id(.:format)
estudiantes#update
                DELETE  /estudiantes/:id(.:format)
estudiantes#destroy
      buys GET    /buys(.:format)
buys#index
                POST   /buys(.:format)
buys#create
      new_buy GET    /buys/new(.:format)
    
```

5.

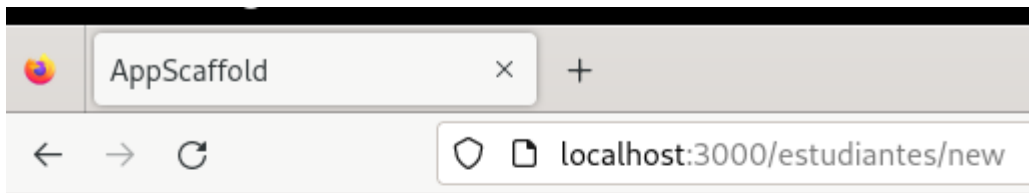
~/Desktop/proyecto_ror/App_Scaffold/app/controllers/estudiantes_controller.rb (App_Scaffold) - Sublime Text (UNREGISTERED)

action Find View Goto Tools Project Preferences Help

```

1  class EstudiantesController < ApplicationController
2    before_action :set_estudiante, only: [:show, :edit, :update, :destroy]
3
4    # GET /estudiantes
5    # GET /estudiantes.json
6    def index
7      @estudiantes = Estudiante.all
8    end
9
10   # GET /estudiantes/1
11   # GET /estudiantes/1.json
12   def show
13   end
14
15   # GET /estudiantes/new
16   def new
17     @estudiante = Estudiante.new
18   end
19
20   # GET /estudiantes/1/edit
21   def edit
22   end
23
24   # POST /estudiantes
25   # POST /estudiantes.json
26   def create
27     @estudiante = Estudiante.new(estudiante_params)
28
29     respond_to do |format|
30       if @estudiante.save
31         format.html { redirect_to @estudiante, notice: 'Estudiante was successfully created.' }
32         format.json { render :show, status: :created, location: @estudiante }
33       else
34       end
35     end
36   end
37 end
    
```

6.



New Estudiante

Nombre

Apellido

Carrera

Carnet

Fecha de nacimiento

2024 ▾

September ▾

11 ▾

Celular

Create Estudiante

[Back](#)

Estudiantes

Nombre	Apellido	Carrera	Carnet	Fecha de nacimiento	Celular	
Ingrid Valeria	Ruiz Ulloa	Ingenieria en Telematica	21.0	2024-09-10	23118585.0	Show Edit Destroy

[New Estudiante](#)