

# RUBY ON RAILS DESDE CERO

## CodigoFacilito (Uriel Hernandez)

[https://www.youtube.com/watch?v=LMD3P97gXa0&list=PLpOqH6AE0tNiQ-ofrDlbAUsc1r67r\\_AWv](https://www.youtube.com/watch?v=LMD3P97gXa0&list=PLpOqH6AE0tNiQ-ofrDlbAUsc1r67r_AWv)

Resumo do curso feito por Roberto Pinheiro

## INSTALAÇÃO

Rails nada mais é que mais uma gem e sua instalação deve ser feita com o comando `gem install rails`. Mas vamos remover a documentação que é instalada por padrão com o argumento `--no-document`:

```
gem install rails --no-document
```

Este comando não especifica a versão que deve ser instalada, então o RubyGems instala a última versão declarada estável pelo time mantenedor do projeto.

Para conferir se sua instalação teve sucesso, execute:

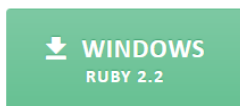
```
rails -v
```

A versão instalada deve ser exibida em seu terminal.

Para fazer o download acesse:

<http://railsinstaller.org/pt-BR>

## Downloads para Windows



Os pacotes incluídos são

[Ruby](#) 2.2.6

[Rails](#) 5.0

[Bundler](#)

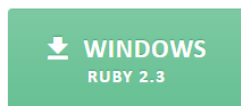
[Git](#)

[SQLite](#)

[TinyTDS](#)

[Suporte do SQL Server](#)

[DevKit](#)



Os pacotes incluídos são

[Ruby](#) 2.3.3

[Rails](#) 5.1

[Bundler](#)

[Git](#)

[SQLite](#)

[TinyTDS](#)

[Suporte do SQL Server](#)

[DevKit](#)

**railsinstaller-3.2.1:**

Os pacotes incluídos são:

Ruby 2.2.6  
Rails 5.0  
Bundler  
Git  
Sqlite  
TinyTDS  
Suporte do SQL Server  
DevKit

**railsinstaller-3.4.0:**

Os pacotes incluídos são  
Ruby 2.3.3 (ruby 2.3.3p222)  
Rails 5.1 (Rails 5.1.3)  
Bundler  
Git  
Sqlite  
TinyTDS  
Suporte do SQL Server  
DevKit

Vamos usar railsinstaller-3.4.0:

```
C:\Sites>ruby -v
ruby 2.3.3p222 (2016-11-21 revision 56859) [i386-mingw32]

C:\Sites>rails -v
Rails 5.1.3

C:\Sites>gem -v
2.5.2
```

## AULA 02 - CRIANDO A PRIMEIRA APLICAÇÃO

- Vamos executar o comando rails new que cria uma nova aplicação e informar que iremos usar o mysql ao invés do sqlite3 (padrão):

```
rails new blog --database=mysql
```

```
C:\Sites
λ rails new blog --database=mysql
  create  README.md
  create  Rakefile
  create  config.ru
  create  .gitignore
  create  Gemfile
   run    git init from "."
Initialized empty Git repository in C:/Sites/blog/.git/
  create  app
  create  app/assets/config/manifest.js
  create  app/assets/javascripts/application.js
  create  app/assets/javascripts/cable.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
  create  app/assets/images/.keep
  create  app/assets/javascripts/channels/.keep
  create  app/assets/javascripts/channels/.keep
  create  app/controllers/concerns/.keep
  create  app/models/concerns/.keep
  create  bin
  create  bin/bundle
  create  bin/rails
  create  bin/rake
  create  bin/setup
```

```
Installing mysql2 0.5.3 (x86-mingw32)
Using puma 3.12.6
Using sprockets 3.7.2
Using sprockets-rails 3.2.1
Using rails 5.1.7
Using rb-fsevent 0.10.4
Using rb-inotify 0.10.1
Using rubyzip 1.3.0
Using sass-listen 4.0.0
Using sass 3.7.4
Using tilt 2.0.10
Using sass-rails 5.0.7
Using selenium-webdriver 3.142.7
Using turbolinks-source 5.2.0
Using turbolinks 5.2.1
Using tzinfo-data 1.2020.1
Using uglifier 4.2.0
Using web-console 3.7.0
Bundle complete! 13 Gemfile dependencies, 67 gems now installed.
Use `bundle info [gemname]` to see where a bundled gem is installed.
Post-install message from mysql2:

=====

You've installed the binary version of mysql2.
It was built using MySQL Connector/C version 6.1.11.
It's recommended to use the exact same version to avoid potential issues.

At the time of building this gem, the necessary DLL files were retrieved from:
http://cdn.mysql.com/Downloads/Connector-C/mysql-connector-c-6.1.11-win32.zip

This gem *includes* vendor/libmysql.dll with redistribution notice in vendor/README.

=====
```

## Gemfile

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

git_source(:github) do |repo_name|
  repo_name = "#{repo_name}/#{repo_name}" unless repo_name.include?("/")
  "https://github.com/#{repo_name}.git"
end

# Bundle edge Rails instead: gem 'rails', github: 'rails/rails'
gem 'rails', '~> 5.1.7'
# Use mysql as the database for Active Record
gem 'mysql2', '>= 0.3.18', '< 0.6.0'
# Use Puma as the app server
gem 'puma', '~> 3.7'
# Use SCSS for stylesheets
gem 'sass-rails', '~> 5.0'
# Use Uglifier as compressor for JavaScript assets
gem 'uglifier', '>= 1.3.0'
# See https://github.com/rails/execjs#readme for more supported runtimes
# gem 'therubyracer', platforms: :ruby

# Use CoffeeScript for .coffee assets and views
gem 'coffee-rails', '~> 4.2'
# Turbolinks makes navigating your web application faster. Read more:
# https://github.com/turbolinks/turbolinks
gem 'turbolinks', '~> 5'
# Build JSON APIs with ease. Read more: https://github.com/rails/jbuilder
gem 'jbuilder', '~> 2.5'
# Use Redis adapter to run Action Cable in production
# gem 'redis', '~> 4.0'
# Use ActiveModel has_secure_password
# gem 'bcrypt', '~> 3.1.7'

# Use Capistrano for deployment
# gem 'capistrano-rails', group: :development

group :development, :test do
  # Call 'byebug' anywhere in the code to stop execution and get a debugger console
  gem 'byebug', platforms: [:mri, :mingw, :x64_mingw]
  # Adds support for Capybara system testing and selenium driver
  gem 'capybara', '>= 2.15'
  gem 'selenium-webdriver'
end

group :development do
  # Access an IRB console on exception pages or by using <%= console %> anywhere in the code.
  gem 'web-console', '>= 3.3.0'
end

# Windows does not include zoneinfo files, so bundle the tzinfo-data gem
gem 'tzinfo-data', platforms: [:mingw, :mswin, :x64_mingw, :jruby]
```

## config/database.yml

```
# MySQL. Versions 5.1.10 and up are supported.
#
# Install the MySQL driver
# gem install mysql2
#
# Ensure the MySQL gem is defined in your Gemfile
# gem 'mysql2'
#
# And be sure to use new-style password hashing:
# http://dev.mysql.com/doc/refman/5.7/en/old-client.html
#
default: &default
  adapter: mysql2
  encoding: utf8
  pool: <%= ENV.fetch("RAILS_MAX_THREADS") { 5 } %>
  username: root
  password:
  host: localhost

development:
  <<: *default
  database: blog_development

# Warning: The database defined as "test" will be erased and
# re-generated from your development database when you run "rake".
# Do not set this db to the same as development or production.
test:
  <<: *default
  database: blog_test

# As with config/secrets.yml, you never want to store sensitive information,
# like your database password, in your source code. If your source code is
# ever seen by anyone, they now have access to your database.
#
# Instead, provide the password as a unix environment variable when you boot
# the app. Read http://guides.rubyonrails.org/configuring.html#configuring-a-database
# for a full rundown on how to provide these environment variables in a
# production deployment.
#
# On Heroku and other platform providers, you may have a full connection URL
# available as an environment variable. For example:
#
# DATABASE_URL="mysql2://myuser:mypass@localhost/somedatabase"
#
# You can use this database configuration with:
#
# production:
#   url: <%= ENV['DATABASE_URL'] %>
#
production:
  <<: *default
  database: blog_production
  username: blog
  password: <%= ENV['BLOG_DATABASE_PASSWORD'] %>
```

- Na pasta do projeto execute o comando:

rails server

```
C:\Sites\blog (master)
λ rails server
=> Booting Puma
=> Rails 5.1.7 application starting in development
=> Run `rails server -h` for more startup options
*** SIGUSR2 not implemented, signal based restart unavailable!
*** SIGUSR1 not implemented, signal based restart unavailable!
*** SIGHUP not implemented, signal based logs reopening unavailable!
Puma starting in single mode...
* Version 3.12.6 (ruby 2.3.3-p222), codename: Llamas in Pajamas
* Min threads: 5, max threads: 5
* Environment: development
* Listening on tcp://localhost:3000
Use Ctrl-C to stop
```

- Importante: No Laragon execute o apache e o mysql

- No navegador, entre com a url:

localhost:3000



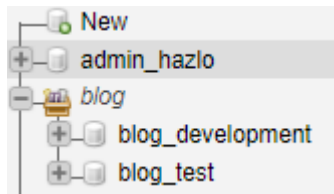
## Criando os bancos de dados

rails db:create

```
PS C:\Sites\blog> rails db:create
Created database 'blog_development'
Created database 'blog_test'
```

- Para conferir se os bancos de dados foram criados, acesse o phpMyAdmin:

localhost/phpmyadmin



## Criando o controller welcome com o método index

rails generate controller welcome index

```
C:\Sites\blog (master)
λ rails generate controller welcome index
  create  app/controllers/welcome_controller.rb
  route   get 'welcome/index'
  invoke  erb
  create  app/views/welcome
  create  app/views/welcome/index.html.erb
  invoke  test_unit
  create  test/controllers/welcome_controller_test.rb
  invoke  helper
  create  app/helpers/welcome_helper.rb
  invoke  test_unit
  invoke  assets
  invoke  coffee
  create  app/assets/javascripts/welcome.coffee
  invoke  scss
  create  app/assets/stylesheets/welcome.scss
```

app\controllers\welcome\_controller.rb

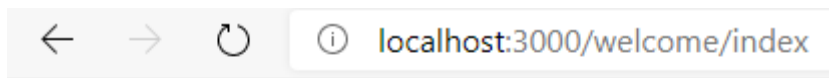
```
class WelcomeController < ApplicationController
  def index
  end
end
```

app\views\welcome\index.html.erb

```
<h1>Welcome#index</h1>
<p>Find me in app/views/welcome/index.html.erb</p>
```

- No navegador, entre com a URL:

localhost:3000/welcome/index



## Welcome#index

Find me in app/views/welcome/index.html.erb

### Tornando a página welcome/index como a página inicial

app\views\welcome\index.html.erb

```
<h1>Bem-vindos ao nosso blog!</h1>
```

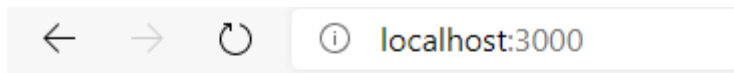
config\routes.rb

```
Rails.application.routes.draw do
```

```
  get 'welcome/index'
```

```
  root 'welcome#index'
```

```
  # For details on the DSL available within this file, see http://guides.rubyonrails.org/routing.html
end
```



## Bem-vindos ao nosso blog!



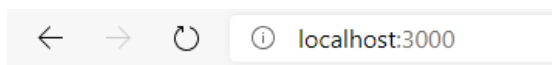
## AULA 03 - ERB E ASSETS

`app\views\welcome\index.html.erb`

```
<h1>Bem-vindos ao nosso blog!</h1>
```

```
<% [1,2,3,4].each do |number| %>
  <p>Número <%= number %></p>
<%end%>
```

```
<% nome="Uriel" %>
<%= "Olá #{nome}" %>
```



### Bem-vindos ao nosso blog!

Número 1

Número 2

Número 3

Número 4

Olá Uriel

- Faça o download de FlexBox Grid em:

<http://flexboxgrid.com/>

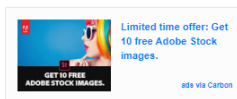


## Flexbox Grid

A grid system based on the `flex` display property.

Download

Github



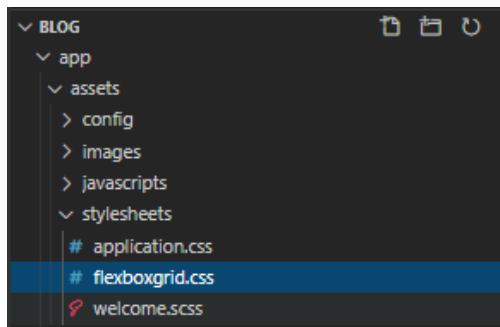
### Responsive

Responsive modifiers enable specifying different column sizes, offsets, alignment and distribution at xs, sm, md & lg viewport widths.



- Copie o arquivo `flexboxgrid.css` (dentro da pasta `dist`) para a pasta `app\assets\stylesheets`

- Obs: Isso poderia ser feito usando `gema` (`gem`).



#### app/assets/stylesheets/application.css

```
/*
 * This is a manifest file that'll be compiled into application.css, which will include all the files
 * listed below.
 *
 * Any CSS and SCSS file within this directory, lib/assets/stylesheets, or any plugin's
 * vendor/assets/stylesheets directory can be referenced here using a relative path.
 *
 * You're free to add application-wide styles to this file and they'll appear at the bottom of the
 * compiled file so the styles you add here take precedence over styles defined in any other CSS/SCSS
 * files in this directory. Styles in this file should be added after the last require_* statement.
 * It is generally better to create a new file per style scope.
 *
 *= require_tree .
 *= require_self
 */
```

#### app/assets/javascripts/application.js

```
// This is a manifest file that'll be compiled into application.js, which will include all the files
// listed below.
//
// Any JavaScript/Coffee file within this directory, lib/assets/javascripts, or any plugin's
// vendor/assets/javascripts directory can be referenced here using a relative path.
//
// It's not advisable to add code directly here, but if you do, it'll appear at the bottom of the
// compiled file. JavaScript code in this file should be added after the last require_* statement.
//
// Read Sprockets README (https://github.com/rails/sprockets#sprockets-directives) for details
// about supported directives.
//
//= require rails-ujs
//= require turbolinks
//= require_tree .
```

## AULA 04 - MODELOS

### Criando o model Article

Informe o nome do model e em seguida os campos a serem criados na tabela

```
rails generate model Article title:string body:text visits_count:integer
```

Obs: Use o nome do model no singular e em inglês (isso é importante para seguir as convenções do Ruby on Rails). Isso fará que seja criada a tabela com o nome no plural (articles).

```
C:\Sites\blog (master)
λ rails generate model Article title:string body:text visits_count:integer
  invoke  active_record
  create  db/migrate/20200825082345_create_articles.rb
  create  app/models/article.rb
  invoke  test_unit
  create  test/models/article_test.rb
  create  test/fixtures/articles.yml
```

```
app\models\article.rb
```

```
class Article < ApplicationRecord
end
```

## AULA 05 - BASE DE DADOS E MIGRATIONS

db\migrate\20200825082345\_create\_articles.rb

```
class CreateArticles < ActiveRecord::Migration[5.1]
  def change
    create_table :articles do |t|
      t.string :title
      t.text :body
      t.integer :visits_count

      t.timestamps
    end
  end
end
```

### Criando a tabela

rake db:migrate

```
C:\Sites\blog (master)
λ rake db:migrate
== 20200825082345 CreateArticles: migrating =====
-- create_table(:articles)
   -> 0.2192s
== 20200825082345 CreateArticles: migrated (0.2204s) =====
```

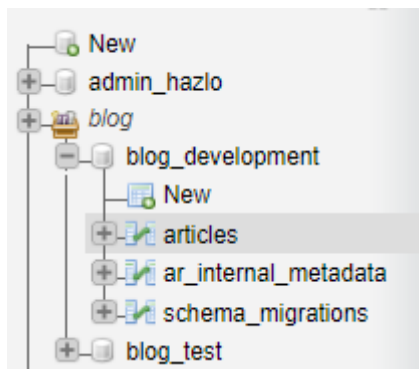


Table structure

| #                          | Name         | Type         | Collation       | Attributes | Null | Default | Comments | Extra          | Action   |
|----------------------------|--------------|--------------|-----------------|------------|------|---------|----------|----------------|--|
| <input type="checkbox"/> 1 | id           | bigint(20)   |                 |            | No   | None    |          | AUTO_INCREMENT | <a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a> |
| <input type="checkbox"/> 2 | title        | varchar(255) | utf8_general_ci |            | Yes  | NULL    |          |                | <a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a> |
| <input type="checkbox"/> 3 | body         | text         | utf8_general_ci |            | Yes  | NULL    |          |                | <a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a> |
| <input type="checkbox"/> 4 | visits_count | int(11)      |                 |            | Yes  | NULL    |          |                | <a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a> |
| <input type="checkbox"/> 5 | created_at   | datetime     |                 |            | No   | None    |          |                | <a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a> |
| <input type="checkbox"/> 6 | updated_at   | datetime     |                 |            | No   | None    |          |                | <a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a> |

☐ Check all    With selected: [Browse](#) [Change](#) [Drop](#) [Primary](#) [Unique](#) [Index](#) [Fulltext](#)

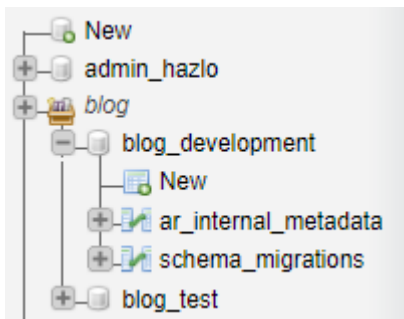
## Desfazendo a última migration (Rollback)

```
rake db:rollback
```

Fará um drop table, eliminando a tabela.

Com este comando, a última migração que se executou é a primeira a ser revertida.

```
C:\Sites\blog (master)
λ rake db:rollback
== 20200825082345 CreateArticles: reverting =====
-- drop_table(:articles)
--> 0.5512s
== 20200825082345 CreateArticles: reverted (0.5861s) =====
```



## Criando novamente a tabela

```
rake db:migrate
```

```
C:\Sites\blog (master)
λ rake db:migrate
== 20200825082345 CreateArticles: migrating =====
-- create_table(:articles)
--> 0.2835s
== 20200825082345 CreateArticles: migrated (0.2854s) =====
```

## Abrindo o console de Rails

```
rails console
```

```
Article.all
```

```
C:\Sites\blog (master)
λ rails console
Loading development environment (Rails 5.1.7)
irb(main):001:0> Article.all
(1.0ms) SET NAMES utf8, @@SESSION.sql_mode = CONCAT(CONCAT(@@sql_mode, 'STRICT_ALL_TABLES'), 'NO_AUTO_VALUE_ON_ZERO'), @@SESSION.sql_auto_is_null = 0, @@SESSION.wait_timeout = 2147483
Article Load (5.0ms) SELECT `articles`.* FROM `articles` LIMIT 11
=> #<ActiveRecord::Relation []>
irb(main):002:0> |
```

## AULA 06 - LAYOUTS

app\views\layouts\application.html.erb

```
<!DOCTYPE html>
<html>
  <head>
    <title>Blog</title>
    <link href="https://fonts.googleapis.com/css2?family=Open+Sans:wght@300;400;700&display=swap"
rel="stylesheet">

    <%= csrf_meta_tags %>

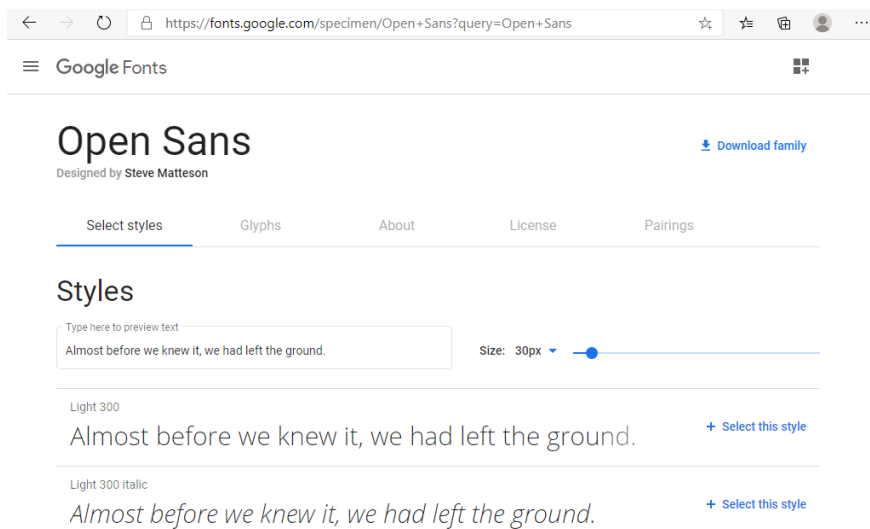
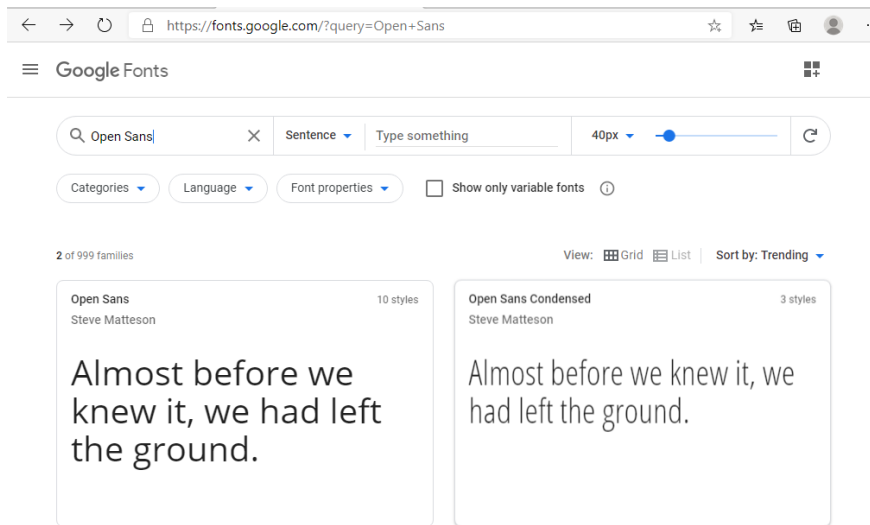
    <%= stylesheet_link_tag 'application', media: 'all', 'data-turbolinks-track': 'reload' %>
    <%= javascript_include_tag 'application', 'data-turbolinks-track': 'reload' %>
  </head>

  <body>

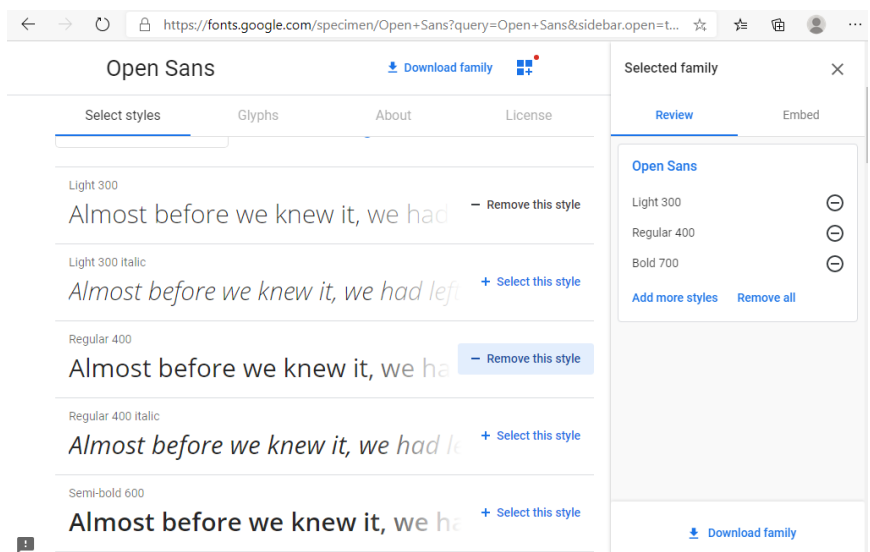
    <header>
      <nav class="be-red white ">
        <ul class="no-list row center-xs middle-xs">
          <li class="col-md">
            <h1 clas="no-margin" id="logo">Blog Facilito</h1>
          </li>
          <li class="col-md">
            <%= link_to "Início", root_path %>
          </li>
          <li class="col-md">
            Desenho
          </li>
          <li class="col-md">
            Programação
          </li>
          <li class="col-md">
            Tecnologia
          </li>
        </ul>
      </nav>
    </header>

    <%= yield %>
  </body>
</html>
```

<https://fonts.google.com/>



- Selezione: Bold 700, Light 300, Regular 400



Selected family



Review

Embed

To embed a font, copy the code into the <head> of your html

<link> @import

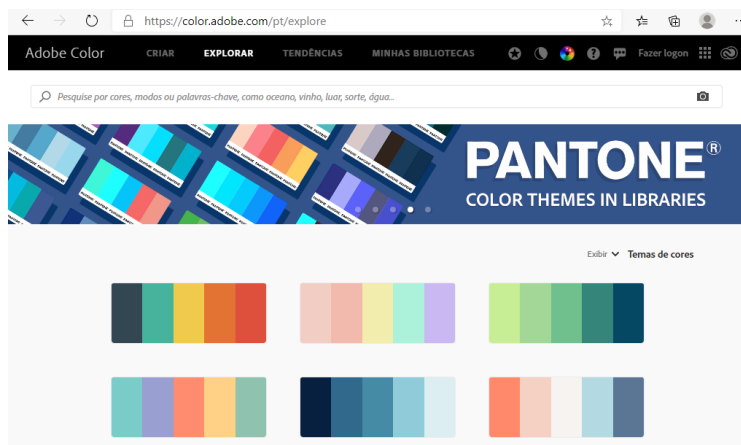
```
<link href="https://fonts.googleapis.com/css2?family=Open+Sans:wght@300;400;700&display=swap" rel="stylesheet">
```

CSS rules to specify families

```
font-family: 'Open Sans', sans-serif;
```

<https://color.adobe.com/pt/explore>

Selecione: Mais populares



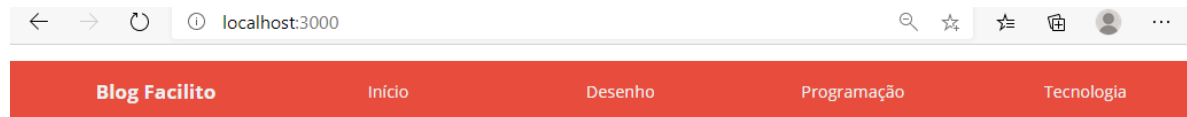
Escolher: tema Flat UI





app\assets\stylesheets\style.scss

```
html, body{
  margin: 0px;
  font-family: 'Open Sans', sans-serif;
}
a, a:visited{
  color: inherit !important;
  text-decoration: none;
}
.no-list{
  list-style-type: none; /* Remove bullets */
}
#logo{
  font-size: 1.2em;
}
.no-margin{
  margin: 0px;
}
.be-red{
  background-color: #E74C3C;
}
.white {
  color: #ECF0F1;
}
.large-padding{
  padding: 8px 5px;
}
```



**Bem-vindos ao nosso blog!**

## AULA 08 - CONTROLLERS

### Rotas

config/routes.rb

Rails.application.routes.draw do

resources :articles

```
# get "/articles"
# post "/articles"
# delete "/articles/:id"
# get "/articles/:id"
# get "/articles/new"
# get "/articles/:id/edit"
# path "/articles/:id"
# put "/articles/:id"
```

root 'welcome#index'

### Criando o controller articles

rails generate controller articles index show

```
C:\Sites\blog (master)
λ rails generate controller articles index show
  create  app/controllers/articles_controller.rb
  route   get 'articles/show'
  route   get 'articles/index'
  invoke  erb
  create  app/views/articles
  create  app/views/articles/index.html.erb
  create  app/views/articles/show.html.erb
  invoke  test_unit
  create  test/controllers/articles_controller_test.rb
  invoke  helper
  create  app/helpers/articles_helper.rb
  invoke  test_unit
  invoke  assets
  invoke  coffee
  create  app/assets/javascripts/articles.coffee
  invoke  scss
  create  app/assets/stylesheets/articles.scss
```

## Criando dois artigos no console

rails console

```
Article.create(title: "Primeiro artigo", body: "Bem-vindo ao meu blog", visits_count: 0)
Article.create(title: "Segundo artigo", body: "Olá mundo!", visits_count: 0)
```

```
C:\Sites\blog (master)
λ rails console
loading development environment (Rails 5.1.7)
irb(main):001:0> Article.create(title: "Primeiro artigo", body: "Bem-vindo ao meu blog", visits_count: 0)
(31.2ms) SET NAMES utf8, @@SESSION.sql_mode = CONCAT(CONCAT(@@sql_mode, 'STRICT_ALL_TABLES'), ',NO_AUTO_VALUE_ON_ZERO'), @@SESSION.s
ql_auto_is_null = 0, @@SESSION.wait_timeout = 2147483
(10.0ms) BEGIN
SQL (97.4ms) INSERT INTO `articles` (`title`, `body`, `visits_count`, `created_at`, `updated_at`) VALUES ('Primeiro artigo', 'Bem-vindo
ao meu blog', 0, '2020-08-26 03:39:00', '2020-08-26 03:39:00')
(71.1ms) COMMIT
=> #<Article id: 1, title: "Primeiro artigo", body: "Bem-vindo ao meu blog", visits_count: 0, created_at: "2020-08-26 03:39:00", updated_at
: "2020-08-26 03:39:00">
irb(main):002:0> Article.create(title: "Segundo artigo", body: "Olá mundo!", visits_count: 0)
(1.0ms) BEGIN
SQL (1.0ms) INSERT INTO `articles` (`title`, `body`, `visits_count`, `created_at`, `updated_at`) VALUES ('Segundo artigo', 'Olá mundo!',
0, '2020-08-26 03:39:38', '2020-08-26 03:39:38')
(76.9ms) COMMIT
=> #<Article id: 2, title: "Segundo artigo", body: "Olá mundo!", visits_count: 0, created_at: "2020-08-26 03:39:38", updated_at: "2020-0
8-26 03:39:38">
irb(main):003:0> |
```

app\controllers\articles\_controller.rb

```
class ArticlesController < ApplicationController
```

```
  # GET /articles
  def index
    @articles = Article.all
  end

  # GET /articles/:id
  def show
    @article = Article.find(params[:id])
  end
end
```

app\views\articles\index.html.erb

```
<% @articles.each do |article| %>
  <h1><%= article.title %></h1>
  <div>
    <%= article.body %>
  </div>
<%end%>
```

app\views\articles\show.html.erb

```
<h1><%= @article.title %></h1>

<div>
  <%= @article.body %>
</div>
```

localhost:3000/articles

←

→

↺

localhost:3000/articles

🔍

☆

☆

📁

👤

⋮

Blog Facilito

Início

Desenho

Programação

Tecnologia

## Primeiro artigo

Bem-vindo ao meu blog

## Segundo artigo

Olá mundo!

localhost:3000/articles/2

←

→

↺

localhost:3000/articles/2

🔍

☆

☆

📁

👤

⋮

Blog Facilito

Início

Desenho

Programação

Tecnologia

## Segundo artigo

Olá mundo!

## AULA 09 - ENVIANDO DADOS AO CONTROLADOR

`app\controllers\articles_controller.rb`

```
class ArticlesController < ApplicationController

  # GET /articles
  def index
    @articles = Article.all
  end

  # GET /articles/:id
  def show
    @article = Article.find(params[:id])
  end

  # GET /articles/new
  def new
    @article = Article.new
  end

  # POST /articles
  def create
    @article = Article.new(title: params[:article][:title], body: params[:article][:body])
    @article.save
    redirect_to @article
  end

end
```

`app\views\articles\new.html.erb`

```
<div style="width:80%; margin:0 auto;">
  <h1>Criar artigo</h1>
  <%= form_for(@article) do |f| %>
    <div class="field">
      <%= f.text_field :title, placeholder: "Título", class:"form-control" %>
    </div>
    <div class="field">
      <%= f.text_area :body, placeholder: "Escreva aqui o artigo", style: "height:250px;",
class:"form-control" %>
    </div>
    <div class="field">
      <%= f.submit "Gravar", class:"btn be-red white" %>
    </div>
  <% end %>
</div>
```

app\assets\stylesheets\style.scss

```
html, body{
  margin: 0px;
  font-family: 'Open Sans', sans-serif;
}
.btn{
  background-color: inherit;
  border: none;
  outline: none;
  text-transform: uppercase;
  cursor: pointer;
  font-size: 1.2em;
  padding: 10px 12px;
}
a, a:visited{
  color: inherit !important;
  text-decoration: none;
}
.no-list{
  list-style-type: none; /* Remove bullets */
}
#logo{
  font-size: 1.2em;
}
.no-margin{
  margin: 0px;
}
.be-red{
  background-color: #E74C3C;
}
.white {
  color: #ECF0F1;
}
.large-padding{
  padding: 8px 5px;
}
.field{
  margin-top: 1em;
}
.form-control{
  border: none;
  border-bottom: 1px solid;
  outline: none;
  width: 100%;
  display: block;
  padding: 10px 0px;
  font-size: 1.2em;
}
```

localhost:3000/articles/new

localhost:3000/articles/new

Blog Facilito

Início

Desenho

Programação

Tecnologia

Criar artigo

Novo Post

Este é um novo post.

GRAVAR

localhost:3000/articles/3

Blog Facilito

Início

Desenho

Programação

Tecnologia

## Novo Post

Este é um novo post.

## AULA 10 - VALIDAÇÕES

`app\models\article.rb`

```
class Article < ApplicationRecord
  validates :title, presence: true, uniqueness: true
  validates :body, presence: true, length: { minimum: 20 }
end
```

`app\controllers\articles_controller.rb`

```
class ArticlesController < ApplicationController

  # GET /articles
  def index
    @articles = Article.all
  end

  # GET /articles/:id
  def show
    @article = Article.find(params[:id])
  end

  # GET /articles/new
  def new
    @article = Article.new
  end

  # POST /articles
  def create
    @article = Article.new(title: params[:article][:title], body: params[:article][:body])

    if @article.save
      redirect_to @article
    else
      render :new
    end
  end

end
```



app\views\articles\new.html.erb

```
<div style="width:80%; margin:0 auto;">
  <h1>Criar artigo</h1>

  <div class="be-red white">
    <ul>
      <% @article.errors.full_messages.each do |message| %>
        <li class="top-space">
          <%= message %>
        </li>
      <% end %>
    </ul>
  </div>

  <%= form_for(@article) do |f| %>
    <div class="field">
      <%= f.text_field :title, placeholder: "Título", class:"form-control" %>
    </div>
    <div class="field">
      <%= f.text_area :body, placeholder: "Escreva aqui o artigo", style: "height:250px;",
class:"form-control" %>
    </div>
    <div class="field">
      <%= f.submit "Gravar", class:"btn be-red white" %>
    </div>
  <% end %>
</div>
```

app\assets\stylesheets\style.scss

```
html, body{
  margin: 0px;
  font-family: 'Open Sans', sans-serif;
}
.btn{
  background-color: inherit;
  border: none;
  outline: none;
  text-transform: uppercase;
  cursor: pointer;
  font-size: 1.2em;
  padding: 10px 12px;
}
a, a:visited{
  color: inherit !important;
  text-decoration: none;
}
.no-list{
  list-style-type: none; /* Remove bullets */
}
```

```
#logo{
  font-size: 1.2em;
}
.no-margin{
  margin: 0px;
}
.be-red{
  background-color: #E74C3C;
}
.white {
  color: #ECF0F1;
}
.large-padding{
  padding: 8px 5px;
}
.field{
  margin-top: 1em;
}
.form-control{
  border: none;
  border-bottom: 1px solid;
  outline: none;
  width: 100%;
  display: block;
  padding: 10px 0px;
  font-size: 1.2em;
}
.top-space{
  margin-top: 0.5em;
}
```

localhost3000/articles/news

Blog Facilito

Início

Desenho

Programação

Tecnologia

Criar artigo

Title can't be blank

Body can't be blank

Body is too short (minimum is 20 characters)

Título

Escreva aqui o artigo

GRAVAR

# Criar artigo

## Validações

Este é um artigo que ensina a fazer validações com o Rails.

GRAVAR

# Validações

Este é um artigo que ensina a fazer validações com o Rails.

# Primeiro artigo

Bem-vindo ao meu blog

# Segundo artigo

Olá mundo!

# Novo Post

Este é um novo post.

# Validações

Este é um artigo que ensina a fazer validações com o Rails.

## Criar artigo

Primeiro artigo

Texto completo do primeiro artigo.

GRAVAR

## Criar artigo

• Title has already been taken

Primeiro artigo

Texto completo do primeiro artigo.

GRAVAR

# AULA 11 - ATIVARECORD BÁSICO

## Operações com o ActiveRecord

rails console

Article.all

```
C:\Sites\blog (master)
λ rails console
Loading development environment (Rails 5.1.7)
irb(main):001:0> Article.all
(77.9ms) SET NAMES utf8, @@SESSION.sql_mode = CONCAT(CONCAT(@@sql_mode, 'STRICT_ALL_TABLES'), ',NO_AUTO_VALUE_ON_ZERO'), @@SESSION.s
ql_auto_is_null = 0, @@SESSION.wait_timeout = 2147483
Article Load (109.0ms) SELECT `articles`.* FROM `articles` LIMIT 11
=> #<ActiveRecord::Relation [#<Article id: 1, title: "Primeiro artigo", body: "Bem-vindo ao meu blog", visits_count: 0, created_at: "2020-08-26 03:39:00", updated_at: "2020-08-26 03:39:00">, #<Article id: 2, title: "Segundo artigo", body: "Olá mundo!", visits_count: 0, created_at: "2020-08-26 03:39:38", updated_at: "2020-08-26 03:39:38">, #<Article id: 3, title: "Novo Post", body: "Este é um novo post.", visits_count: nil, created_at: "2020-08-26 05:57:36", updated_at: "2020-08-26 05:57:36">, #<Article id: 4, title: "Validações", body: "Este é um artigo que ensina a fazer validações com...", visits_count: nil, created_at: "2020-08-26 06:47:17", updated_at: "2020-08-26 06:47:17">]>
irb(main):002:0> |
```

Article.all.count

```
irb(main):002:0> Article.all.count
(124.9ms) SELECT COUNT(*) FROM `articles`
=> 4
```

Article.all.size

```
irb(main):003:0> Article.all.size
(1.0ms) SELECT COUNT(*) FROM `articles`
=> 4
irb(main):004:0> |
```

Article.find(4)

```
irb(main):004:0> Article.find(4)
Article Load (2.0ms) SELECT `articles`.* FROM `articles` WHERE `articles`.`id` = 4 LIMIT 1
=> #<Article id: 4, title: "Validações", body: "Este é um artigo que ensina a fazer validações com...", visits_count: nil, created_at: "2020-08-26 06:47:17", updated_at: "2020-08-26 06:47:17">
irb(main):005:0> |
```

Article.find\_by(title: "Segundo artigo")

```
irb(main):005:0> Article.find_by(title: "Segundo artigo")
Article Load (1.0ms) SELECT `articles`.* FROM `articles` WHERE `articles`.`title` = 'Segundo artigo' LIMIT 1
=> #<Article id: 2, title: "Segundo artigo", body: "Olá mundo!", visits_count: 0, created_at: "2020-08-26 03:39:38", updated_at: "2020-08-26 03:39:38">
irb(main):006:0> |
```

Article.where("title LIKE ?", "%artigo%")

```
irb(main):001:0> Article.where("title LIKE ?", "%artigo%")
(15.0ms) SET NAMES utf8, @@SESSION.sql_mode = CONCAT(CONCAT(@@sql_mode, 'STRICT_ALL_TABLES'), ',NO_AUTO_VALUE_ON_ZERO'), @@SESSION.s
ql_auto_is_null = 0, @@SESSION.wait_timeout = 2147483
Article Load (56.0ms) SELECT `articles`.* FROM `articles` WHERE (title LIKE '%artigo%') LIMIT 11
=> #<ActiveRecord::Relation [#<Article id: 1, title: "Primeiro artigo", body: "Bem-vindo ao meu blog", visits_count: 0, created_at: "2020-08-26 03:39:00", updated_at: "2020-08-26 03:39:00">, #<Article id: 2, title: "Segundo artigo", body: "Olá mundo!", visits_count: 0, created_at: "2020-08-26 03:39:38", updated_at: "2020-08-26 03:39:38">]>
irb(main):002:0> |
```

Article.where("title LIKE ?", "%artigo%" ).count

```
irb(main):003:0> Article.where("title LIKE ?", "%artigo%" ).count
(1.0ms) SELECT COUNT(*) FROM `articles` WHERE (title LIKE '%artigo%')
=> 2
irb(main):004:0> |
```

Article.where("body LIKE ?", "%Este é um%" )

```
irb(main):004:0> Article.where("body LIKE ?", "%Este é um%" )
Article Load (1.0ms) SELECT `articles`.* FROM `articles` WHERE (body LIKE '%Este é um%') LIMIT 11
=> #<ActiveRecord::Relation [#<Article id: 3, title: "Novo Post", body: "Este é um novo post.", visits_count: nil, created_at: "2020-08-26 05:57:36", updated_at: "2020-08-26 05:57:36">, #<Article id: 4, title: "Validações", body: "Este é um artigo que ensina a fazer validações com...", visits_count: nil, created_at: "2020-08-26 06:47:17", updated_at: "2020-08-26 06:47:17">]>
irb(main):005:0> |
```

Article.where("id = ? OR title=?", id = 4, title ="Primeiro artigo")

```
Article Load (1.0ms) SELECT `articles`.* FROM `articles` WHERE (id = 4 OR title='Primeiro artigo') LIMIT 11
=> #<ActiveRecord::Relation [#<Article id: 1, title: "Primeiro artigo", body: "Bem-vindo ao meu blog", visits_count: 0, created_at: "2020-08-26 03:39:00", updated_at: "2020-08-26 03:39:00">, #<Article id: 4, title: "Validações", body: "Este é um artigo que ensina a fazer validações com...", visits_count: nil, created_at: "2020-08-26 06:47:17", updated_at: "2020-08-26 06:47:17">]>
irb(main):010:0> |
```

Article.where.not("id = ? ", id = 3)

```
irb(main):001:0> Article.where.not("id = ? ", id = 3)
(0.0ms) SET NAMES utf8, @@SESSION.sql_mode = CONCAT(CONCAT(@@sql_mode, 'STRICT_ALL_TABLES'), 'NO_AUTO_VALUE_ON_ZERO'), @@SESSION.sql_auto_is_null = 0, @@SESSION.wait_timeout = 2147483
Article Load (90.3ms) SELECT `articles`.* FROM `articles` WHERE (NOT (id = 3 )) LIMIT 11
=> #<ActiveRecord::Relation [#<Article id: 1, title: "Primeiro artigo", body: "Bem-vindo ao meu blog", visits_count: 0, created_at: "2020-08-26 03:39:00", updated_at: "2020-08-26 03:39:00">, #<Article id: 2, title: "Segundo artigo", body: "Olá mundo!", visits_count: 0, created_at: "2020-08-26 03:39:38", updated_at: "2020-08-26 03:39:38">, #<Article id: 4, title: "Validações", body: "Este é um artigo que ensina a fazer validações com...", visits_count: nil, created_at: "2020-08-26 06:47:17", updated_at: "2020-08-26 06:47:17">]>
irb(main):002:0> |
```

## Excluindo registro

app\views\articles\index.html.erb

```
<% @articles.each do |article| %>
  <div>
    <h1><%= article.title %></h1>
  </div>

  <div>
    <%= article.body %> - <%= link_to "Eliminar", article, method: :delete %>
  </div>
<%end%>
```

app\controllers\articles\_controller.rb

```
class ArticlesController < ApplicationController
```

```
  # GET /articles
```

```
  # Todos os registros
```

```
  def index
```

```
    @articles = Article.all
```

```
  end
```

```
  # GET /articles/:id
```

```
  # Encontra um registro por id
```

```
  def show
```

```
    @article = Article.find(params[:id])
```

```
  end
```

```
  # GET /articles/new
```

```
  def new
```

```
    @article = Article.new
```

```
  end
```

```
  # POST /articles
```

```
  def create
```

```
    @article = Article.new(params[:article])
```

```
    if @article.save
```

```
      redirect_to @article
```

```
    else
```

```
      render :new
```

```
    end
```

```
  end
```

```
  def update
```

```
  end
```

```
  def destroy
```

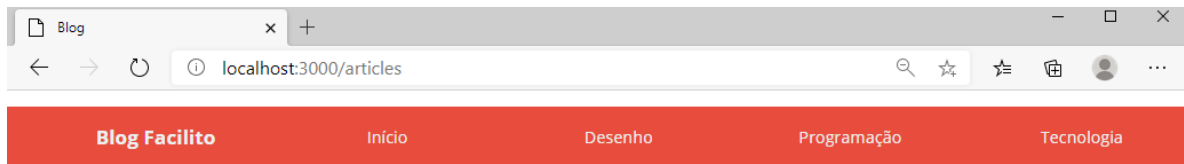
```
    @article = Article.find(params[:id])
```

```
    @article.destroy
```

```
    redirect_to articles_path
```

```
  end
```

```
end
```



## Primeiro artigo

Bem-vindo ao meu blog - Eliminar

## Segundo artigo

Olá mundo! - Eliminar

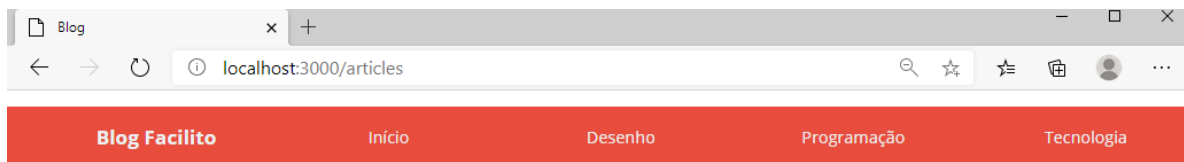
## Novo Post

Este é um novo post. - Eliminar

## Validações

Este é um artigo que ensina a fazer validações com o Rails. - Eliminar

- Clicando no link "Eliminar" do artigo "Validações":



## Primeiro artigo

Bem-vindo ao meu blog - Eliminar

## Segundo artigo

Olá mundo! - Eliminar

## Novo Post

Este é um novo post. - Eliminar



## AULA 12 - STRONG PARAMS

Para evitar ataques de um agente malicioso:

[app\controllers\articles\\_controller.rb](#)

```
class ArticlesController < ApplicationController
```

```
  # GET /articles
```

```
  # Todos os registros
```

```
  def index
```

```
    @articles = Article.all
```

```
  end
```

```
  # GET /articles/:id
```

```
  # Encontra um registro por id
```

```
  def show
```

```
    @article = Article.find(params[:id])
```

```
  end
```

```
  # GET /articles/new
```

```
  def new
```

```
    @article = Article.new
```

```
  end
```

```
  # POST /articles
```

```
  def create
```

```
    # @article = Article.new(params[:article])
```

```
    @article = Article.new(article_params)
```

```
    if @article.save
```

```
      redirect_to @article
```

```
    else
```

```
      render :new
```

```
    end
```

```
  end
```

```
  def update
```

```
  end
```

```
  def destroy
```

```
    @article = Article.find(params[:id])
```

```
    @article.destroy
```

```
    redirect_to articles_path
```

```
  end
```

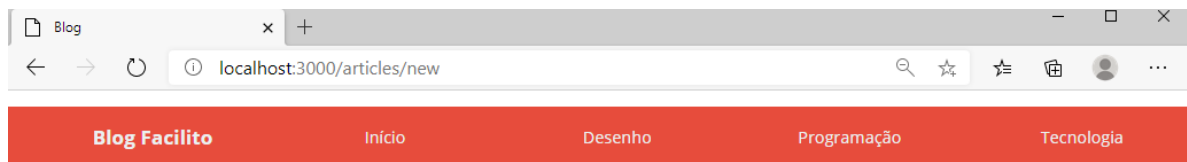
```
  private
```

```
  def article_params
```

```
    params.require(:article).permit(:title, :body)
```

```
  end
```

```
end
```

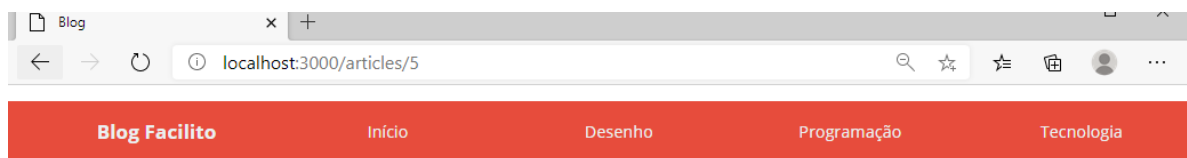


## Criar artigo

Saudações

Olá! Seja bem-vindo ao Blog Facilito!

GRAVAR



## Saudações

Olá! Seja bem-vindo ao Blog Facilito!

## AULA 13 - VIEWS PARTIALS

app\views\articles\edit.html.erb

```
<div style="width:80%; margin:0 auto;">
  <%= render "form", name: "Editar" %>
</div>
```

app\views\articles\new.html.erb

```
<div style="width:80%; margin:0 auto;">
  <%= render "form", name: "Criar" %>
</div>
```

app\views\articles\\_form.html.erb

```
<h1><%= name %> artigo</h1>
```

```
<div class="be-red white">
  <ul>
    <% @article.errors.full_messages.each do |message| %>
      <li class="top-space">
        <%= message %>
      </li>
    <% end %>
  </ul>
</div>
```

```
<%= form_for(@article) do |f| %>
  <div class="field">
    <%= f.text_field :title, placeholder: "Título", class:"form-control" %>
  </div>
  <div class="field">
    <%= f.text_area :body, placeholder: "Escreva aqui o artigo", style: "height:250px;", class:"form-control" %>
  </div>
  <div class="field">
    <%= f.submit "Gravar", class:"btn be-red white" %>
  </div>
<% end %>
```

app\controllers\articles\_controller.rb

```
class ArticlesController < ApplicationController
```

```
  # GET /articles
```

```
  # Todos os registros
```

```
  def index
```

```
    @articles = Article.all
```

```
  end
```

```
  # GET /articles/:id
```

```
  # Encontra um registro por id
```

```
  def show
```

```
    @article = Article.find(params[:id])
```

```
  end
```

```
  # GET /articles/new
```

```
  def new
```

```
    @article = Article.new
```

```
  end
```

```
  # POST /articles
```

```
  def create
```

```
    # @article = Article.new(params[:article])
```

```
    @article = Article.new(article_params)
```

```
    if @article.save
```

```
      redirect_to @article
```

```
    else
```

```
      render :new
```

```
    end
```

```
  end
```

```
  def edit
```

```
    @article = Article.find(params[:id])
```

```
  end
```

```
  def update
```

```
    @article = Article.find(params[:id])
```

```
    if @article.update(article_params)
```

```
      redirect_to @article
```

```
    else
```

```
      render :edit
```

```
    end
```

```
  end
```

```
  def destroy
```

```
    @article = Article.find(params[:id])
```

```
    @article.destroy
```

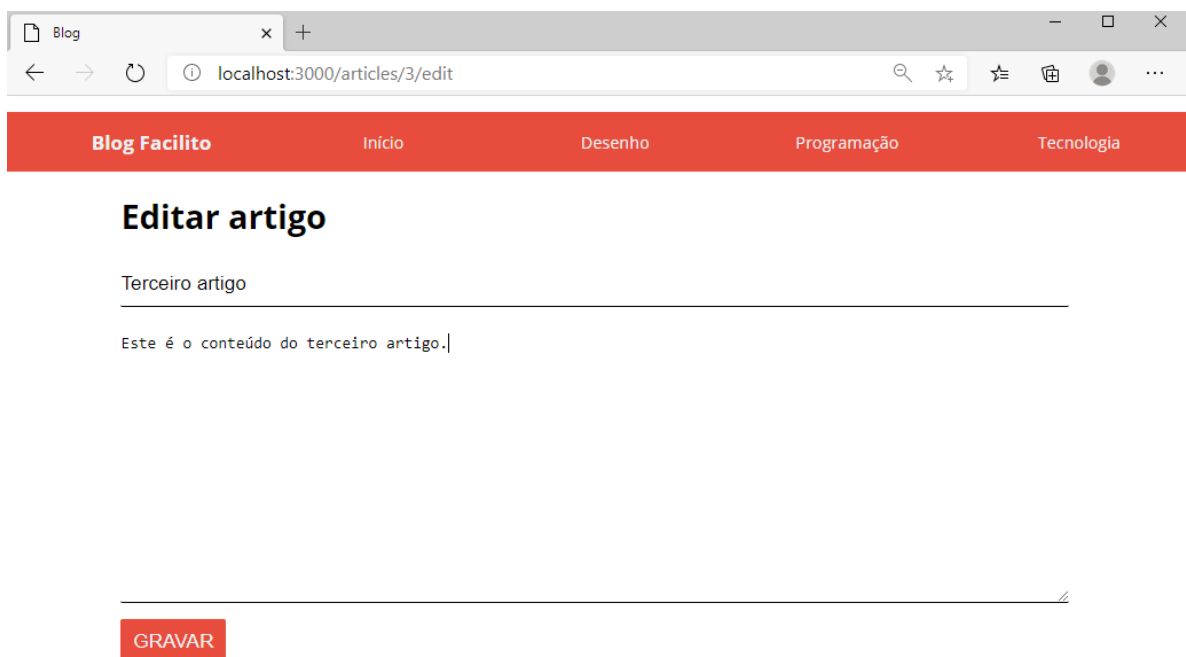
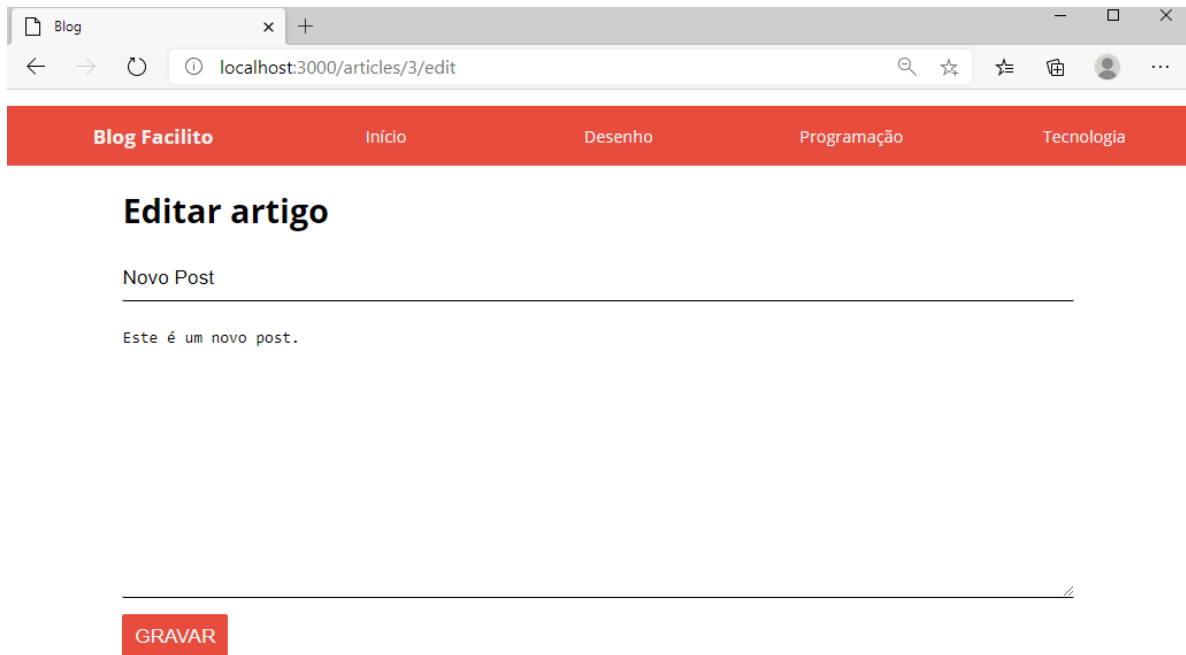
```
    redirect_to articles_path
```

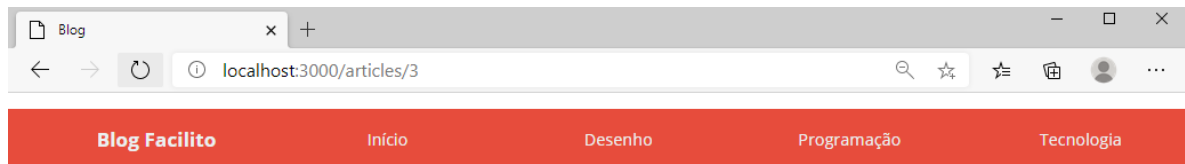
```
  end
```

```
private
```

```
def article_params  
  params.require(:article).permit(:title, :body)  
end
```

```
end
```





## Terceiro artigo

Este é o conteúdo do terceiro artigo.

`app\views\articles\index.html.erb`

```
<% @articles.each do |article| %>
  <div>
    <h1><%= link_to article.title, article %></h1>
  </div>

  <div>
    <%= article.body %> - <%= link_to "Eliminar", article, method: :delete, class:"red" %>
  </div>
<%end%>
```

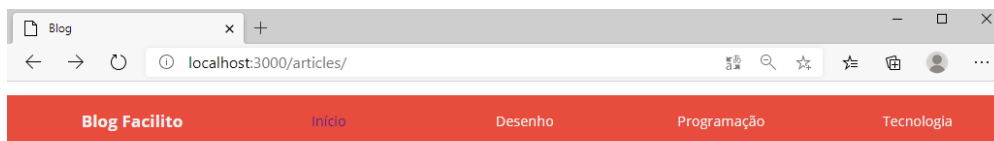
`app\assets\stylesheets\style.scss`

```
html, body{
  margin: 0px;
  font-family: 'Open Sans', sans-serif;
}
.btn{
  background-color: inherit;
  border: none;
  outline: none;
  text-transform: uppercase;
  cursor: pointer;
  font-size: 1.2em;
  padding: 10px 12px;
}
a, a:visited{
  text-decoration: none;
}
.no-list{
  list-style-type: none; /* Remove bullets */
}
#logo{
  font-size: 1.2em;
}
.no-margin{
  margin: 0px;
}
```

```

.be-red{
  background-color: #E74C3C;
}
.white {
  color: #ECF0F1;
}
.red {
  color: #E74C3C;
}
.large-padding{
  padding: 8px 5px;
}
.field{
  margin-top: 1em;
}
.form-control{
  border: none;
  border-bottom: 1px solid;
  outline: none;
  width: 100%;
  display: block;
  padding: 10px 0px;
  font-size: 1.2em;
}
.top-space{
  margin-top: 0.5em;
}

```



## Primeiro artigo

Bem-vindo ao meu blog - [Eliminar](#)

## Segundo artigo

Olá mundo! - [Eliminar](#)

## Terceiro artigo

Este é o conteúdo do terceiro artigo. - [Eliminar](#)

## Saudações

Olá! Seja bem-vindo ao Blog Facilito! - [Eliminar](#)

Showing rows 0 - 3 (4 total, Query took 0.0496 seconds.)

SELECT \* FROM `articles`

☐ Profiling [\[Edit inline\]](#) [\[Edit\]](#) [\[Explain SQL\]](#) [\[Create PHP code\]](#) [\[Refresh\]](#)

☐ Show all | Number of rows:  | Filter rows:  | Sort by key:

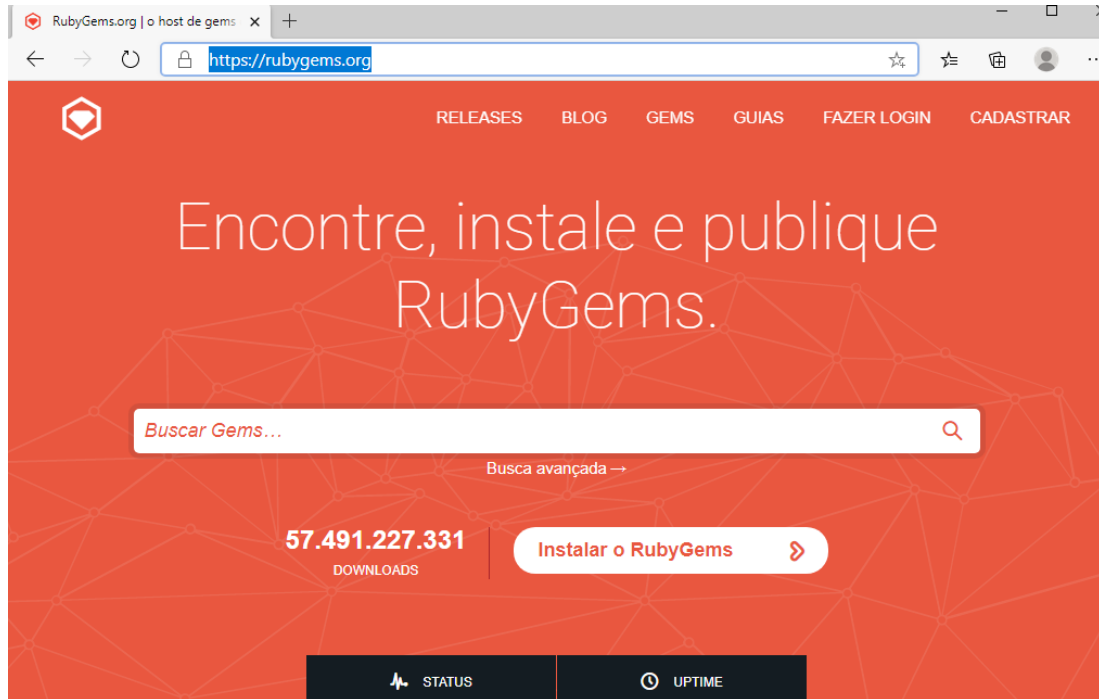
+ Options

|                          |                      |                      | id                     | title | body            | visits_count                          | created_at | updated_at          |
|--------------------------|----------------------|----------------------|------------------------|-------|-----------------|---------------------------------------|------------|---------------------|
| <input type="checkbox"/> | <a href="#">Edit</a> | <a href="#">Copy</a> | <a href="#">Delete</a> | 1     | Primeiro artigo | Bem-vindo ao meu blog                 | 0          | 2020-08-26 03:39:00 |
| <input type="checkbox"/> | <a href="#">Edit</a> | <a href="#">Copy</a> | <a href="#">Delete</a> | 2     | Segundo artigo  | Olá mundo!                            | 0          | 2020-08-26 03:39:38 |
| <input type="checkbox"/> | <a href="#">Edit</a> | <a href="#">Copy</a> | <a href="#">Delete</a> | 3     | Terceiro artigo | Este é o conteúdo do terceiro artigo. | NULL       | 2020-08-26 05:57:36 |
| <input type="checkbox"/> | <a href="#">Edit</a> | <a href="#">Copy</a> | <a href="#">Delete</a> | 5     | Saudações       | Olá! Seja bem-vindo ao Blog Facilito! | NULL       | 2020-08-27 05:32:59 |

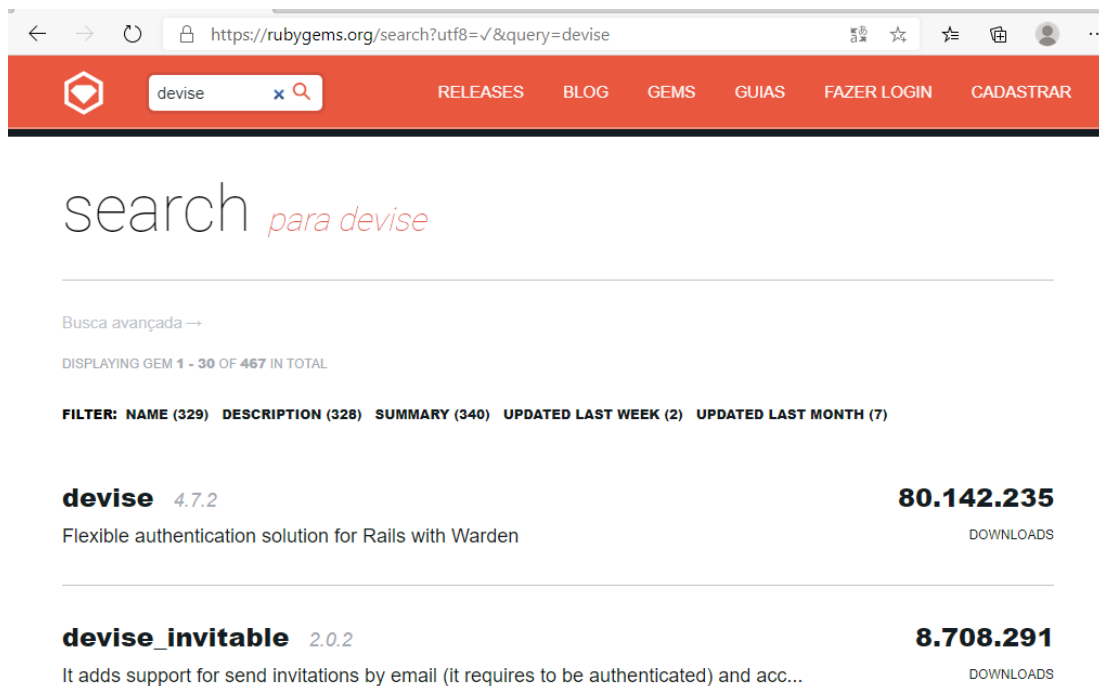
[Check all](#) | With selected: [Edit](#) [Copy](#) [Delete](#) [Export](#)

# AULA 14 - AUTENTICAÇÃO DE USUÁRIOS - PARTE 1

<https://rubygems.org/>



- Procure por devise





## Gemfile

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

git_source(:github) do |repo_name|
  repo_name = "#{repo_name}/#{repo_name}" unless repo_name.include?("/")
  "https://github.com/#{repo_name}.git"
end

# Bundle edge Rails instead: gem 'rails', github: 'rails/rails'
gem 'rails', '~> 5.1.7'
# Use mysql as the database for Active Record
gem 'mysql2', '>= 0.3.18', '< 0.6.0'
# Use Puma as the app server
gem 'puma', '~> 3.7'
# Use SCSS for stylesheets
gem 'sass-rails', '~> 5.0'
# Use Uglifier as compressor for JavaScript assets
gem 'uglifier', '>= 1.3.0'
# See https://github.com/rails/execjs#readme for more supported runtimes
# gem 'therubyracer', platforms: :ruby

# Use CoffeeScript for .coffee assets and views
gem 'coffee-rails', '~> 4.2'
# Turbolinks makes navigating your web application faster. Read more:
# https://github.com/turbolinks/turbolinks
gem 'turbolinks', '~> 5'
# Build JSON APIs with ease. Read more: https://github.com/rails/jbuilder
gem 'jbuilder', '~> 2.5'
# Use Redis adapter to run Action Cable in production
# gem 'redis', '~> 4.0'
# Use ActiveModel has_secure_password
# gem 'bcrypt', '~> 3.1.7'

gem 'devise', '~> 4.7', '>= 4.7.2'

# Use Capistrano for deployment
# gem 'capistrano-rails', group: :development

group :development, :test do
  # Call 'byebug' anywhere in the code to stop execution and get a debugger console
  gem 'byebug', platforms: [:mri, :mingw, :x64_mingw]
  # Adds support for Capybara system testing and selenium driver
  gem 'capybara', '>= 2.15'
  gem 'selenium-webdriver'
end

group :development do
  # Access an IRB console on exception pages or by using <%= console %> anywhere in the code.
  gem 'web-console', '>= 3.3.0'
end

# Windows does not include zoneinfo files, so bundle the tzinfo-data gem
gem 'tzinfo-data', platforms: [:mingw, :mswin, :x64_mingw, :jruby]
```

- No terminal, execute o seguinte comando:

bundle install

```
C:\Sites\blog (master)
λ bundle install
Fetching gem metadata from https://rubygems.org/.....
Fetching gem metadata from https://rubygems.org/.
Resolving dependencies.....
Using rake 13.0.1
Using concurrent-ruby 1.1.7
Using i18n 1.8.5
Using minitest 5.14.1
Using thread_safe 0.3.6
Using tzinfo 1.2.7
Using activesupport 5.1.7
Using builder 3.2.4
Using erubi 1.9.0
Using mini_portile2 2.4.0
Using nokogiri 1.10.10 (x86-mingw32)
Using rails-dom-testing 2.0.3
Using crass 1.0.6
Using loofah 2.6.0
Using rails-html-sanitizer 1.3.0
Using actionview 5.1.7
Using rack 2.2.3
Using rack-test 1.1.0
Using actionpack 5.1.7
Using nio4r 2.5.2
Using websocket-extensions 0.1.5
Using websocket-driver 0.6.5
Using actioncable 5.1.7
Using globalid 0.4.2
Using activejob 5.1.7
Using mini_mime 1.0.2
Using mail 2.7.1
Using actionmailer 5.1.7
Using activemodel 5.1.7
Using arel 8.0.0
Using activerecord 5.1.7
Using public_suffix 4.0.5

Using execjs 2.7.0
Using coffee-script 2.4.1
Using method_source 1.0.0
Using thor 1.0.1
Using railties 5.1.7
Using coffee-rails 4.2.2
Fetching orm_adapter 0.5.0
Installing orm_adapter 0.5.0
Fetching responders 2.4.1
Installing responders 2.4.1
Fetching warden 1.2.8
Installing warden 1.2.8
Fetching devise 4.7.2
Installing devise 4.7.2
Using ffi 1.13.1 (x86-mingw32)
Using jbuilder 2.10.0
Using mysql2 0.5.3 (x86-mingw32)
Using puma 3.12.6
Using sprockets 3.7.2
Using sprockets-rails 3.2.1
Using rails 5.1.7
Using rb-fsevent 0.10.4
Using rb-inotify 0.10.1
Using rubyzip 1.3.0
Using sass-listen 4.0.0
Using sass 3.7.4
Using tilt 2.0.10
Using sass-rails 5.0.7
Using selenium-webdriver 3.142.7
Using turbolinks-source 5.2.0
Using turbolinks 5.2.1
Using tzinfo-data 1.2020.1
Using uglifier 4.2.0
Using web-console 3.7.0
Bundle complete! 14 Gemfile dependencies, 72 gems now installed.
Use `bundle info [gemname]` to see where a bundled gem is installed.
```

## Instalando o devise

rails g devise:install

```
C:\Sites\blog (master)
λ rails g devise:install
   create  config/initializers/devise.rb
   create  config/locales/devise.en.yml
=====

Depending on your application's configuration some manual setup may be required:

1. Ensure you have defined default url options in your environments files. Here
   is an example of default_url_options appropriate for a development environment
   in config/environments/development.rb:

       config.action_mailer.default_url_options = { host: 'localhost', port: 3000 }

   In production, :host should be set to the actual host of your application.

   * Required for all applications. *

2. Ensure you have defined root_url to *something* in your config/routes.rb.
   For example:

       root to: "home#index"

   * Not required for API-only Applications *

3. Ensure you have flash messages in app/views/layouts/application.html.erb.
   For example:

       <p class="notice"><%= notice %></p>
       <p class="alert"><%= alert %></p>

   * Not required for API-only Applications *

4. You can copy Devise views (for customization) to your app by running:

       rails g devise:views

   * Not required *

=====
```

app\views\layouts\application.html.erb

```
<!DOCTYPE html>
<html>
  <head>
    <title>Blog</title>
    <link href="https://fonts.googleapis.com/css2?family=Open+Sans:wght@300;400;700&display=swap"
rel="stylesheet">

    <%= csrf_meta_tags %>

    <%= stylesheet_link_tag 'application', media: 'all', 'data-turbolinks-track': 'reload' %>
    <%= javascript_include_tag 'application', 'data-turbolinks-track': 'reload' %>
  </head>
```

```
<body>
```

```
<div class="container">
```

```
<header>
```

```
<nav class="be-red white">
```

```
<ul class="no-list row center-xs middle-xs">
```

```
<li class="col-md">
```

```
<h1 class="no-margin" id="logo">Blog Facilito</h1>
```

```
</li>
```

```
<li class="col-md">
```

```
<%= link_to "Início", root_path %>
```

```
</li>
```

```
<li class="col-md">
```

```
Desenho
```

```
</li>
```

```
<li class="col-md">
```

```
Programação
```

```
</li>
```

```
<li class="col-md">
```

```
Tecnologia
```

```
</li>
```

```
<% if user_signed_in? %>
```

```
<li class="col-md">
```

```
<%= link_to "Sair", destroy_user_session_path, method: :delete %>
```

```
</li>
```

```
<% end %>
```

```
</ul>
```

```
</nav>
```

```
</header>
```

```
<p class="notice"><%= notice %></p>
```

```
<p class="alert"><%= alert %></p>
```

```
<%= yield %>
```

```
</div>
```

```
</body>
```

```
</html>
```

## Autenticação de usuários

rails g devise User

```
C:\Sites\blog (master)
λ rails g devise User
Deprecation warning: Expected boolean default value for '--orm'; got :active_record (string).
This will be rejected in the future unless you explicitly pass the options `check_default_type: false` or call `allow_incompatible_default_type!` in your code
You can silence deprecations warning by setting the environment variable THOR_SILENCE_DEPRECATION.
  invoke  active_record
  create  db/migrate/20200827143840_devise_create_users.rb
  create  app/models/user.rb
  invoke  test_unit
  create  test/models/user_test.rb
  create  test/fixtures/users.yml
  insert  app/models/user.rb
  route   devise_for :users
```

db\migrate\20200827143840\_devise\_create\_users.rb

```
# frozen_string_literal: true
```

```
class DeviseCreateUsers < ActiveRecord::Migration[5.1]
```

```
  def change
```

```
    create_table :users do |t|
```

```
      ## Database authenticatable
```

```
      t.string :email, null: false, default: ""
```

```
      t.string :encrypted_password, null: false, default: ""
```

```
      ## Recoverable
```

```
      t.string :reset_password_token
```

```
      t.datetime :reset_password_sent_at
```

```
      ## Rememberable
```

```
      t.datetime :remember_created_at
```

```
      ## Trackable
```

```
      # t.integer :sign_in_count, default: 0, null: false
```

```
      # t.datetime :current_sign_in_at
```

```
      # t.datetime :last_sign_in_at
```

```
      # t.string :current_sign_in_ip
```

```
      # t.string :last_sign_in_ip
```

```
      ## Confirmable
```

```
      # t.string :confirmation_token
```

```
      # t.datetime :confirmed_at
```

```
      # t.datetime :confirmation_sent_at
```

```
      # t.string :unconfirmed_email # Only if using reconfirmable
```

```
      ## Lockable
```

```
      # t.integer :failed_attempts, default: 0, null: false # Only if lock strategy is :failed_attempts
```

```
      # t.string :unlock_token # Only if unlock strategy is :email or :both
```

```
      # t.datetime :locked_at
```

```
      t.string :name
```

```
      t.string :permission_level
```

```
      t.timestamps null: false
```

```
    end
```

```
    add_index :users, :email, unique: true
```

```
    add_index :users, :reset_password_token, unique: true
```

```
    # add_index :users, :confirmation_token, unique: true
```

```
    # add_index :users, :unlock_token, unique: true
```

```
  end
```

```
end
```

## Executando a migration

rake db:migrate

```
C:\Sites\blog (master)
λ rake db:migrate
== 20200827143840 DeviseCreateUsers: migrating =====
-- create_table(:users)
--> 0.2883s
-- add_index(:users, :email, {:unique=>true})
--> 0.3154s
-- add_index(:users, :reset_password_token, {:unique=>true})
--> 0.2491s
== 20200827143840 DeviseCreateUsers: migrated (0.8583s) =====
```

config/routes.rb

Rails.application.routes.draw do

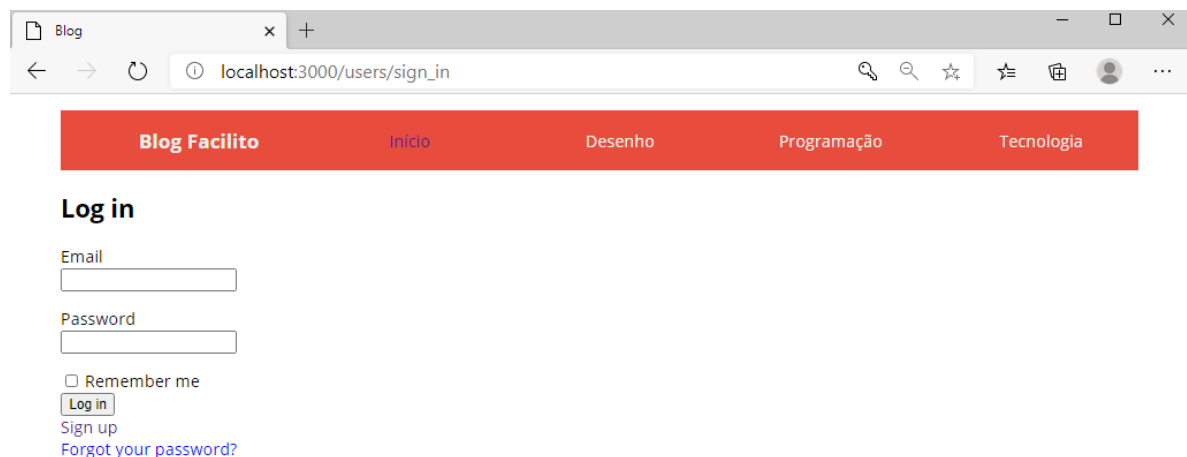
devise\_for :users

resources :articles

```
# get "/articles"
# post "/articles"
# delete "/articles/:id"
# get "/articles/:id"
# get "/articles/new"
# get "/articles/:id/edit"
# path "/articles/:id"
# put "/articles/:id"
```

root 'welcome#index'

# For details on the DSL available within this file, see <http://guides.rubyonrails.org/routing.html>  
end



Blog Facilito Início Desenho Programação Tecnologia

### Log in

Email

Password

☐ Remember me

[Sign up](#)

[Forgot your password?](#)

http://localhost:3000/users/sign\_up

Blog

localhost:3000/users/sign\_up

Blog Facilito

Início

Desenho

Programação

Tecnologia

### Sign up

Email

Password (6 characters minimum)

Password confirmation

Sign up

Log in

Password: 123456

Blog

localhost:3000/users/sign\_up

Blog Facilito

Início

Desenho

Programação

Tecnologia

### Sign up

Email

betopinheiro1005@yahoo.c

Password (6 characters minimum)

\*\*\*\*\*

Password confirmation

\*\*\*\*\*

Sign up

Log in

Blog

localhost:3000

Blog Facilito

Início

Desenho

Programação

Tecnologia

Welcome! You have signed up successfully.

## Bem-vindos ao nosso blog!

Showing rows 0 - 0 (1 total, Query took 0.0098 seconds.)

SELECT \* FROM `users`

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

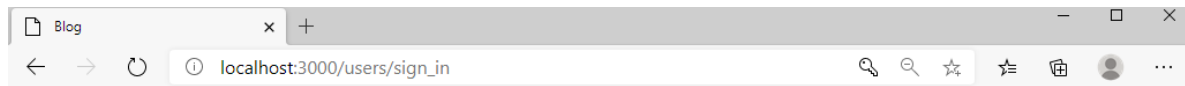
Show all

Number of rows: 25

Filter rows: Search this table

+ Options

|   | id | email                         | encrypted_password                                      | reset_password_token | reset_password_sent_at | remember_created_at |
|---|----|-------------------------------|---|----------------------|------------------------|---------------------|
| 1 |    | betopinheiro1005@yahoo.com.br | \$2a\$12\$sndipGIN3Y7ir9FialSkuGBanVd5Etgo6mwA/CCzsR... | NULL                 | NULL                   | NULL                |



## Log in

Email

Password

☐ Remember me

[Log in](#)

[Sign up](#)

[Forgot your password?](#)



[Blog Facilito](#) [Início](#) [Desenho](#) [Programação](#) [Tecnologia](#) [Sair](#)

Signed in successfully.

## Bem-vindos ao nosso blog!



[Blog Facilito](#) [Início](#) [Desenho](#) [Programação](#) [Tecnologia](#)

Signed out successfully.

## Bem-vindos ao nosso blog!



## AULA 15 - AUTENTICAÇÃO DE USUÁRIOS - PARTE 2

app\views\layouts\application.html.erb

```
<!DOCTYPE html>
<html>
  <head>
    <title>Blog</title>
    <link href="https://fonts.googleapis.com/css2?family=Open+Sans:wght@300;400;700&display=swap"
rel="stylesheet">
    <%= csrf_meta_tags %>
    <%= stylesheet_link_tag 'application', media: 'all', 'data-turbolinks-track': 'reload' %>
    <%= javascript_include_tag 'application', 'data-turbolinks-track': 'reload' %>
  </head>

  <body>

    <div class="container">

      <%= render "partials/navigation" %>
      <p class="notice"><%= notice %></p>
      <p class="alert"><%= alert %></p>

      <%= yield %>

    </div>

  </body>
</html>
```

app\views\partials\\_navigation.html.erb

```
<header>
  <nav class="be-red white">
    <ul class="no-list row center-xs middle-xs">
      <li class="col-md">
        <h1 class="no-margin" id="logo">Blog Facilito</h1>
      </li>
      <li class="col-md">
        <%= link_to "Início", root_path %>
      </li>
      <li class="col-md">
        Desenho
      </li>
      <li class="col-md">
        Programação
      </li>
      <li class="col-md">
        Tecnologia
      </li>
      <% if user_signed_in? %>
        <li class="col-md">
          <%= link_to "Sair", destroy_user_session_path, method: :delete %>
        </li>
      <% else %>
        <li class="col-md">
          <%= link_to "Login", new_user_session_path %>
        </li>
        <li class="col-md">
          <%= link_to "Registrar", new_user_registration_path %>
        </li>
      <% end %>
    </ul>
  </nav>
</header>
```

## Criando views para o devise

```
rails g devise:views
```

```
C:\Sites\blog (master)
λ rails g devise:views
  invoke  Devise::Generators::SharedViewsGenerator
  create  app/views/devise/shared/_error_messages.html.erb
  create  app/views/devise/shared/_links.html.erb
  invoke  form_for
  create  app/views/devise/confirmations
  create  app/views/devise/confirmations/new.html.erb
  create  app/views/devise/passwords
  create  app/views/devise/passwords/edit.html.erb
  create  app/views/devise/passwords/new.html.erb
  create  app/views/devise/registrations
  create  app/views/devise/registrations/edit.html.erb
  create  app/views/devise/registrations/new.html.erb
  create  app/views/devise/sessions
  create  app/views/devise/sessions/new.html.erb
  create  app/views/devise/unlocks
  create  app/views/devise/unlocks/new.html.erb
  invoke  erb
  create  app/views/devise/mailer
  create  app/views/devise/mailer/confirmation_instructions.html.erb
  create  app/views/devise/mailer/email_changed.html.erb
  create  app/views/devise/mailer/password_change.html.erb
  create  app/views/devise/mailer/reset_password_instructions.html.erb
  create  app/views/devise/mailer/unlock_instructions.html.erb
```

## Listando rotas

rake routes

```
C:\Sites\blog (master)
λ rake routes
```

|                          | Prefix               | Verb   | URI Pattern                    | Controller#Action            |
|--------------------------|----------------------|--------|--------------------------------|------------------------------|
|                          | new_user_session     | GET    | /users/sign_in(.:format)       | devise/sessions#new          |
|                          | user_session         | POST   | /users/sign_in(.:format)       | devise/sessions#create       |
|                          | destroy_user_session | DELETE | /users/sign_out(.:format)      | devise/sessions#destroy      |
|                          | new_user_password    | GET    | /users/password/new(.:format)  | devise/passwords#new         |
|                          | edit_user_password   | GET    | /users/password/edit(.:format) | devise/passwords#edit        |
|                          | user_password        | PATCH  | /users/password(.:format)      | devise/passwords#update      |
|                          |                      | PUT    | /users/password(.:format)      | devise/passwords#update      |
|                          |                      | POST   | /users/password(.:format)      | devise/passwords#create      |
| cancel_user_registration |                      | GET    | /users/cancel(.:format)        | devise/registrations#cancel  |
| new_user_registration    |                      | GET    | /users/sign_up(.:format)       | devise/registrations#new     |
| edit_user_registration   |                      | GET    | /users/edit(.:format)          | devise/registrations#edit    |
| user_registration        |                      | PATCH  | /users(.:format)               | devise/registrations#update  |
|                          |                      | PUT    | /users(.:format)               | devise/registrations#update  |
|                          |                      | DELETE | /users(.:format)               | devise/registrations#destroy |
|                          |                      | POST   | /users(.:format)               | devise/registrations#create  |
|                          | articles             | GET    | /articles(.:format)            | articles#index               |
|                          |                      | POST   | /articles(.:format)            | articles#create              |
|                          | new_article          | GET    | /articles/new(.:format)        | articles#new                 |
|                          | edit_article         | GET    | /articles/:id/edit(.:format)   | articles#edit                |
|                          | article              | GET    | /articles/:id(.:format)        | articles#show                |
|                          |                      | PATCH  | /articles/:id(.:format)        | articles#update              |
|                          |                      | PUT    | /articles/:id(.:format)        | articles#update              |
|                          |                      | DELETE | /articles/:id(.:format)        | articles#destroy             |
|                          | root                 | GET    | /                              | welcome#index                |

app\views\devise\sessions\new.html.erb

```
<div class="row center-xs">
  <div class="col--xs-8 col-md-6">
    <div class="box text-left">
      <h2>Log in</h2>

      <%= form_for(resource, as: resource_name, url: session_path(resource_name)) do |f| %>
        <div class="field">
          <%= f.label :email %><br />
          <%= f.email_field :email, autofocus: true, autocomplete: "email", class: "form-control" %>
        </div>

        <div class="field">
          <%= f.label :password %><br />
          <%= f.password_field :password, autocomplete: "current-password", class: "form-control" %>
        </div>

        <% if devise_mapping.rememberable? %>
          <div class="field">
            <%= f.check_box :remember_me %>
            <%= f.label :remember_me %>
          </div>
        <% end %>

        <div class="actions">
          <%= f.submit "Log in", style: "margin: 15px 0px", class: "btn be-red white" %>
        </div>
      <% end %>

      <%= render "devise/shared/links" %>
    </div>
  </div>
</div>
```

app\views\devise\registrations\new.html.erb

```
<h2>Sign up</h2>
```

```
<%= form_for(resource, as: resource_name, url: registration_path(resource_name)) do |f| %>
  <%= render "devise/shared/error_messages", resource: resource %>
```

```
  <div class="field">
    <%= f.label :email %><br />
    <%= f.email_field :email, autofocus: true, autocomplete: "email", class: "form-control" %>
  </div>
```

```
  <div class="field">
    <%= f.label :password, "Senha" %>
    <% if @minimum_password_length %>
    <em>(<%= @minimum_password_length %> caracteres mínimo)</em>
    <% end %><br />
    <%= f.password_field :password, autocomplete: "new-password", class: "form-control" %>
  </div>
```

```
  <div class="field">
    <%= f.label :password_confirmation, "Confirmar senha" %><br />
    <%= f.password_field :password_confirmation, autocomplete: "new-password", class: "form-
control" %>
  </div>
```

```
  <div class="actions">
    <%= f.submit "Sign up", style: "margin: 15px 0px", class: "btn be-red white" %>
  </div>
<% end %>
```

```
<%= render "devise/shared/links" %>
```

app\assets\stylesheets\style.scss

```
html, body{
  margin: 0px;
  font-family: 'Open Sans', sans-serif;
}
.btn{
  background-color: inherit;
  border: none;
  outline: none;
  text-transform: uppercase;
  cursor: pointer;
  font-size: 1.2em;
  padding: 10px 12px;
}
a, a:visited{
  text-decoration: none;
}
```

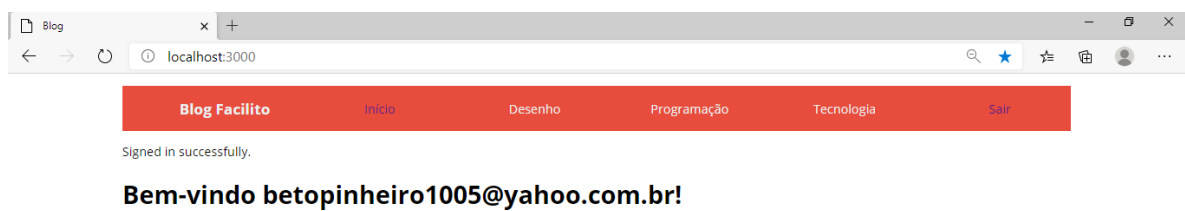
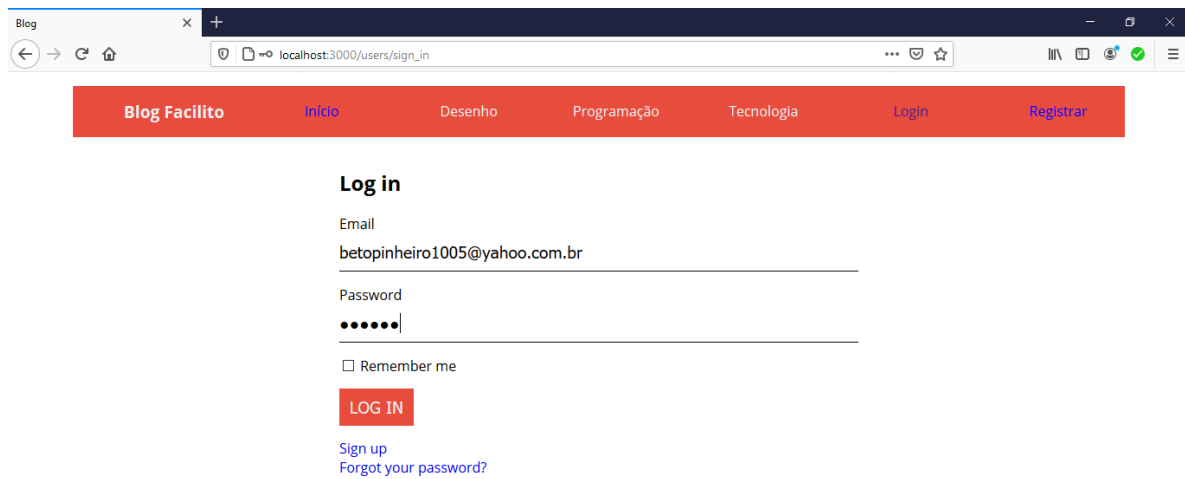
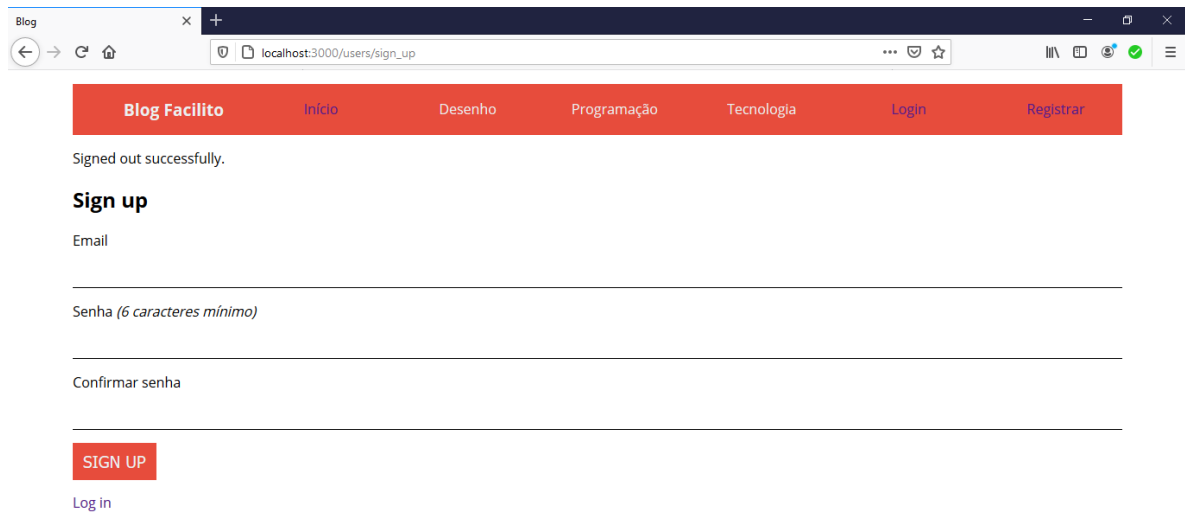
```

.no-list{
  list-style-type: none; /* Remove bullets */
}
#logo{
  font-size: 1.2em;
}
.no-margin{
  margin: 0px;
}
.be-red{
  background-color: #E74C3C;
}
.white {
  color: #ECF0F1;
}
.red {
  color: #E74C3C;
}
.large-padding{
  padding: 8px 5px;
}
.field{
  margin-top: 1em;
}
.form-control{
  border: none;
  border-bottom: 1px solid;
  outline: none;
  width: 100%;
  display: block;
  padding: 10px 0px;
  font-size: 1.2em;
}
.top-space{
  margin-top: 0.5em;
}
.text-left{
  text-align: left;
}

```

app\views\welcome\index.html.erb

<h1>Bem-vindo <%= current\_user.email %>!</h1>



## AULA 16 - ASSOCIAÇÕES UM PARA MUITOS

### Adicionando o campo user\_id na tabela articles

rails generate migration add\_user\_id\_to\_articles user:references

```
C:\Sites\blog (master)
λ rails generate migration add_user_id_to_articles user:references
  invoke  active_record
  create  db/migrate/20200828034357_add_user_id_to_articles.rb
```

db\migrate\20200828034357\_add\_user\_id\_to\_articles.rb

```
class AddUserIdToArticles < ActiveRecord::Migration[5.1]
  def change
    add_reference :articles, :user, foreign_key: true
  end
end
```

### Executando a migration

rake db:migrate

```
C:\Sites\blog (master)
λ rake db:migrate
== 20200828034357 AddUserIdToArticles: migrating =====
-- add_reference(:articles, :user, {:foreign_key=>true})
   -> 3.6894s
== 20200828034357 AddUserIdToArticles: migrated (3.6907s) =====
```

Showing rows 0 - 3 (4 total, Query took 0.0007 seconds.)

SELECT \* FROM `articles`

☐ Profiling [\[Edit inline\]](#) [\[Edit\]](#) [\[Explain SQL\]](#) [\[Create PHP code\]](#) [\[Refresh\]](#)

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

|   | id | title           | body                                  | visits_count | created_at          | updated_at          | user_id |
|---|----|-----------------|---------------------------------------|--------------|---------------------|---------------------|---------|
| <input type="checkbox"/> Edit Copy Delete | 1  | Primeiro artigo | Bem-vindo ao meu blog                 | 0            | 2020-08-26 03:39:00 | 2020-08-26 03:39:00 | NULL    |
| <input type="checkbox"/> Edit Copy Delete | 2  | Segundo artigo  | Olá mundo!                            | 0            | 2020-08-26 03:39:38 | 2020-08-26 03:39:38 | NULL    |
| <input type="checkbox"/> Edit Copy Delete | 3  | Terceiro artigo | Este é o conteúdo do terceiro artigo. | NULL         | 2020-08-26 05:57:36 | 2020-08-27 06:09:30 | NULL    |
| <input type="checkbox"/> Edit Copy Delete | 5  | Saudações       | Olá! Seja bem-vindo ao Blog Facilito! | NULL         | 2020-08-27 05:32:59 | 2020-08-27 05:32:59 | NULL    |

☐ Check all | With selected: Edit Copy Delete Export



app\models\article.rb

```
class Article < ApplicationRecord
  belongs_to :user
  validates :title, presence: true, uniqueness: true
  validates :body, presence: true, length: { minimum: 20 }
end
```

app\models\user.rb

```
class User < ApplicationRecord
  # Include default devise modules. Others available are:
  # :confirmable, :lockable, :timeoutable, :trackable and :omniauthable
  devise :database_authenticatable, :registerable,
         :recoverable, :rememberable, :validatable
  has_many :articles
end
```

app\controllers\articles\_controller.rb

```
class ArticlesController < ApplicationController

  # GET /articles
  # Todos os registros
  def index
    @articles = Article.all
  end

  # GET /articles/:id
  # Encontra um registro por id
  def show
    @article = Article.find(params[:id])
  end

  # GET /articles/new
  def new
    @article = Article.new
  end

  # POST /articles
  def create
    # @article = Article.new(params[:article])
    # @article = Article.new(article_params)

    @article = current_user.articles.new(article_params)

    if @article.save
      redirect_to @article
    else
      render :new
    end
  end
end
```

```
def edit
  @article = Article.find(params[:id])
end

def update
  @article = Article.find(params[:id])
  if @article.update(article_params)
    redirect_to @article
  else
    render :edit
  end
end

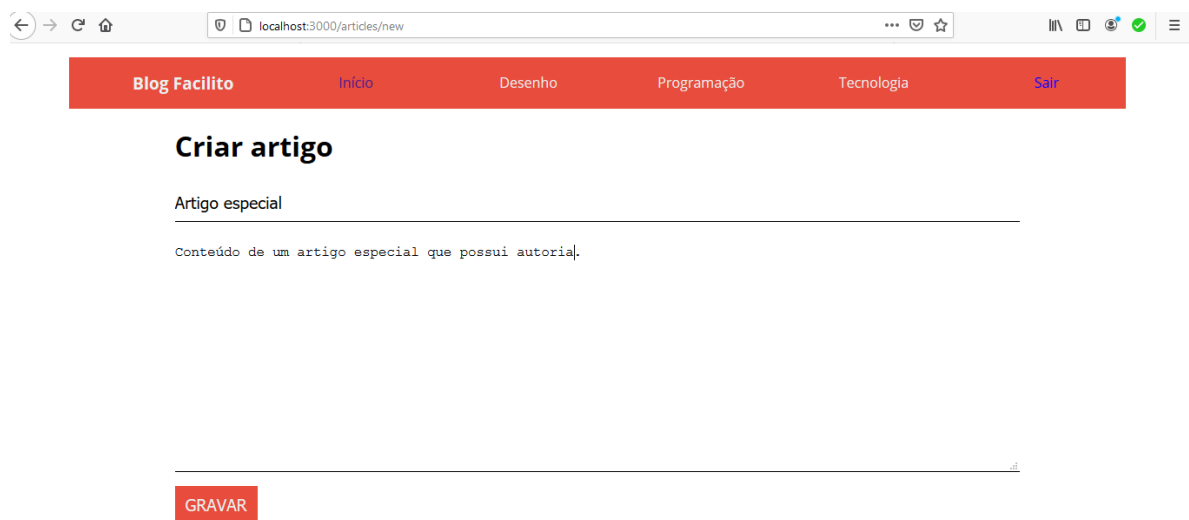
def destroy
  @article = Article.find(params[:id])
  @article.destroy
  redirect_to articles_path
end

private

def article_params
  params.require(:article).permit(:title, :body)
end

end
```

## Criando um novo artigo



← → ↺ 🏠 localhost:3000/articles/new ... 📄 ⌕

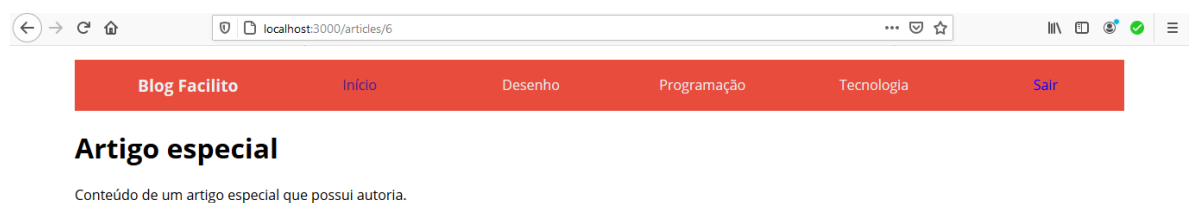
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### Criar artigo

Artigo especial

Conteúdo de um artigo especial que possui autoria.

GRAVAR



← → ↺ 🏠 localhost:3000/articles/6 ... 📄 ⌕

Blog Facilito Início Desenho Programação Tecnologia Sair

### Artigo especial

Conteúdo de um artigo especial que possui autoria.

✓ Showing rows 0 - 4 (5 total, Query took 0.0042 seconds.)

`SELECT * FROM `articles``

☐ Profiling [\[Edit inline\]](#) [\[Edit\]](#) [\[Explain SQL\]](#) [\[Create PHP code\]](#) [\[Refresh\]](#)

☐ Show all | Number of rows:  Filter rows:  Sort by key:

+ Options

|                          |  | id | title           | body   | visits_count | created_at          | updated_at          | user_id |
|--------------------------|--|----|-----------------|--|--------------|---------------------|---------------------|---------|
| <input type="checkbox"/> | <a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a> | 1  | Primeiro artigo | Bem-vindo ao meu blog                              | 0            | 2020-08-26 03:39:00 | 2020-08-26 03:39:00 | NULL    |
| <input type="checkbox"/> | <a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a> | 2  | Segundo artigo  | Olá mundo!   | 0            | 2020-08-26 03:39:38 | 2020-08-26 03:39:38 | NULL    |
| <input type="checkbox"/> | <a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a> | 3  | Terceiro artigo | Este é o conteúdo do terceiro artigo.              | NULL         | 2020-08-26 05:57:36 | 2020-08-27 06:09:30 | NULL    |
| <input type="checkbox"/> | <a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a> | 5  | Saudações       | Olá! Seja bem-vindo ao Blog Facilito!              | NULL         | 2020-08-27 05:32:59 | 2020-08-27 05:32:59 | NULL    |
| <input type="checkbox"/> | <a href="#">Edit</a> <a href="#">Copy</a> <a href="#">Delete</a> | 6  | Artigo especial | Conteúdo de um artigo especial que possui autoria. | NULL         | 2020-08-28 04:21:45 | 2020-08-28 04:21:45 | 1       |

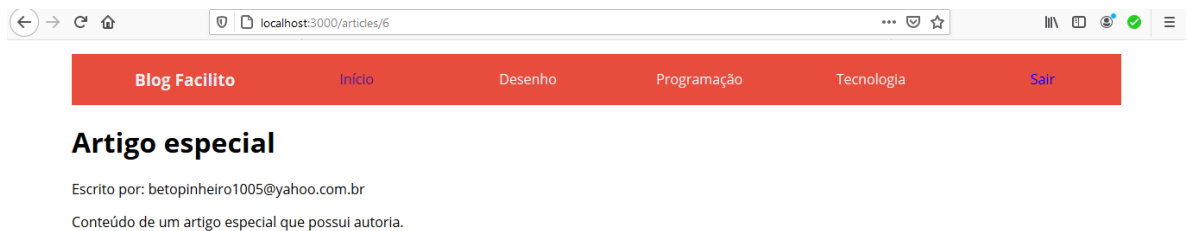
[↑](#) ☐ Check all With selected: [Edit](#) [Copy](#) [Delete](#) [Export](#)

app\views\articles\show.html.erb

```
<h1><%= @article.title %></h1>
```

```
<% unless @article.user.nil? %>
  <p>
    Escrito por: <%= @article.user.email %>
  </p>
<% end %>
```

```
<div>
  <%= @article.body %>
</div>
```



# AULA 17 - CALLBACKS

## Uso de callbacks

app\controllers\articles\_controller.rb

```
class ArticlesController < ApplicationController

  before_action :authenticate_user!, except: [:show, :index]
  before_action :set_article, except: [:index, :new, :create]

  # GET /articles
  # Todos os registros
  def index
    @articles = Article.all
  end

  # GET /articles/:id
  # Encontra um registro por id
  def show
    @article.update_visits_count
  end

  # GET /articles/new
  def new
    @article = Article.new
  end

  # POST /articles
  def create
    # @article = Article.new(params[:article])
    # @article = Article.new(article_params)

    @article = current_user.articles.new(article_params)

    if @article.save
      redirect_to @article
    else
      render :new
    end
  end

  def edit
  end

  def update

    if @article.update(article_params)
      redirect_to @article
    else
      render :edit
    end
  end
end
```

```

def destroy
  @article.destroy
  redirect_to articles_path
end

private

def set_article
  @article = Article.find(params[:id])
end

def article_params
  params.require(:article).permit(:title, :body)
end
end

```

## Zerando o contador de visitas ao se criar um novo artigo

app\models\article.rb

```

class Article < ApplicationRecord
  belongs_to :user
  validates :title, presence: true, uniqueness: true
  validates :body, presence: true, length: { minimum: 20 }

  before_create :set_visits_count

  private

  def set_visits_count
    self.visits_count = 0
  end
end

```



✓ Showing rows 0 - 5 (6 total, Query took 0.0009 seconds.)

`SELECT * FROM `articles``

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

|                          |                  | id | title           | body  | visits_count | created_at          | updated_at          | user_id |
|--------------------------|------------------|----|-----------------|---|--------------|---------------------|---------------------|---------|
| <input type="checkbox"/> | Edit Copy Delete | 1  | Primeiro artigo | Bem-vindo ao meu blog                                 | 0            | 2020-08-26 03:39:00 | 2020-08-28 07:56:42 | 1       |
| <input type="checkbox"/> | Edit Copy Delete | 2  | Segundo artigo  | Olá mundo!  | 0            | 2020-08-26 03:39:38 | 2020-08-26 03:39:38 | 1       |
| <input type="checkbox"/> | Edit Copy Delete | 3  | Terceiro artigo | Este é o conteúdo do terceiro artigo.                 | NULL         | 2020-08-26 05:57:36 | 2020-08-28 07:57:00 | 1       |
| <input type="checkbox"/> | Edit Copy Delete | 5  | Saudações       | Olá! Seja bem-vindo ao Blog Facilito!                 | NULL         | 2020-08-27 05:32:59 | 2020-08-28 07:58:04 | 1       |
| <input type="checkbox"/> | Edit Copy Delete | 6  | Artigo especial | Conteúdo de um artigo especial que possui autoria.    | NULL         | 2020-08-28 04:21:45 | 2020-08-28 07:47:32 | 1       |
| <input type="checkbox"/> | Edit Copy Delete | 7  | Artigo de teste | Ao criar este artigo, o número de visitas (no camp... | 0            | 2020-08-28 05:55:30 | 2020-08-28 07:34:30 | 1       |

↑ ☐ Check all With selected: Edit Copy Delete Export

## app\models\article.rb

```
class Article < ApplicationRecord
  belongs_to :user
  validates :title, presence: true, uniqueness: true
  validates :body, presence: true, length: { minimum: 20 }

  before_save :set_visits_count

  def update_visits_count
    self.save if self.visits_count.nil?
    self.update(visits_count: self.visits_count + 1)
  end

  private

  def set_visits_count
    self.visits_count ||= 0
  end
end
```

## app\views\articles\show.html.erb

```
<h1><%= @article.title %></h1>

<% unless @article.user.nil? %>
  <p>
    Escrito por: <%= @article.user.email %>
  </p>
<% end %>

<p>
  Visitas: <%= @article.visits_count %>
</p>
```

```
<div>
  <%= @article.body %>
</div>
```

## Atualizando o contador a cada visita

app\models\article.rb

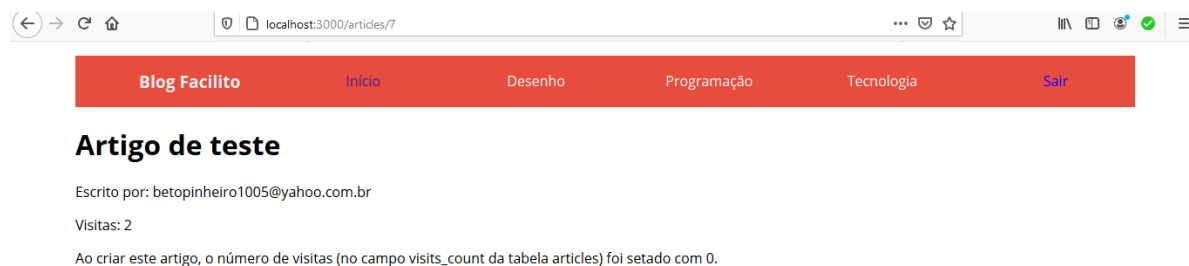
```
class Article < ApplicationRecord
  belongs_to :user
  validates :title, presence: true, uniqueness: true
  validates :body, presence: true, length: { minimum: 20 }

  before_save :set_visits_count

  def update_visits_count
    self.save if self.visits_count.nil?
    self.update(visits_count: self.visits_count + 1)
  end

  private

  def set_visits_count
    self.visits_count ||= 0
  end
end
```



localhost:3000/articles/1

Blog Facilito

Início

Desenho

Programação

Tecnologia

Sair

## Primeiro artigo

Escrito por: betopinheiro1005@yahoo.com.br  
Visitas: 1  
Bem-vindo ao meu blog

localhost:3000/articles/2

Blog Facilito

Início

Desenho

Programação

Tecnologia

Sair

## Segundo artigo

Escrito por: betopinheiro1005@yahoo.com.br  
Visitas: 1  
Olá mundo!

localhost:3000/articles/3

Blog Facilito

Início

Desenho

Programação

Tecnologia

Sair

## Terceiro artigo

Escrito por: betopinheiro1005@yahoo.com.br  
Visitas: 1  
Este é o conteúdo do terceiro artigo.

localhost:3000/articles/5

Blog Facilito

Início

Desenho

Programação

Tecnologia

Sair

## Saudações

Escrito por: betopinheiro1005@yahoo.com.br  
Visitas: 1  
Olá! Seja bem-vindo ao Blog Facilito!

localhost:3000/articles/6

Blog Facilito

Início

Desenho

Programação

Tecnologia

Sair

## Artigo especial

Escrito por: betopinheiro1005@yahoo.com.br  
Visitas: 1  
Conteúdo de um artigo especial que possui autoria.

Showing rows 0 - 5 (6 total, Query took 0.0008 seconds.)

SELECT \* FROM `articles`

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all

Number of rows: 25

Filter rows: Search this table

Sort by key: None

+ Options

|                          |                  | id | title           | body  | visits_count | created_at          | updated_at          | user_id |
|--------------------------|------------------|----|-----------------|---|--------------|---------------------|---------------------|---------|
| <input type="checkbox"/> | Edit Copy Delete | 1  | Primeiro artigo | Bem-vindo ao meu blog                                 | 1            | 2020-08-26 03:39:00 | 2020-08-30 02:56:34 | 1       |
| <input type="checkbox"/> | Edit Copy Delete | 2  | Segundo artigo  | Olá mundo!  | 1            | 2020-08-26 03:39:38 | 2020-08-26 03:39:38 | 1       |
| <input type="checkbox"/> | Edit Copy Delete | 3  | Terceiro artigo | Este é o conteúdo do terceiro artigo.                 | 1            | 2020-08-26 05:57:36 | 2020-08-30 02:57:45 | 1       |
| <input type="checkbox"/> | Edit Copy Delete | 5  | Saudações       | Olá! Seja bem-vindo ao Blog Facilito!                 | 1            | 2020-08-27 05:32:59 | 2020-08-30 02:58:50 | 1       |
| <input type="checkbox"/> | Edit Copy Delete | 6  | Artigo especial | Conteúdo de um artigo especial que possui autoria.    | 1            | 2020-08-28 04:21:45 | 2020-08-30 02:59:26 | 1       |
| <input type="checkbox"/> | Edit Copy Delete | 7  | Artigo de teste | Ao criar este artigo, o número de visitas (no camp... | 2            | 2020-08-28 05:55:30 | 2020-08-30 02:55:07 | 1       |



## AULA 18 - SCAFFOLD

Scaffold permite gerar um CRUD completo (criando modelo, views, controller, etc.)

### Criando um CRUD de Comentários

`rails generate scaffold Comment user:references article:references body:text`

```
C:\Sites\blog (master)
λ rails generate scaffold Comment user:references article:references body:text
  invoke  active_record
  create  db/migrate/20200830031341_create_comments.rb
  create  app/models/comment.rb
  invoke  test_unit
  create  test/models/comment_test.rb
  create  test/fixtures/comments.yml
  invoke  resource_route
  route   resources :comments
  invoke  scaffold_controller
  create  app/controllers/comments_controller.rb
  invoke  erb
  create  app/views/comments
  create  app/views/comments/index.html.erb
  create  app/views/comments/edit.html.erb
  create  app/views/comments/show.html.erb
  create  app/views/comments/new.html.erb
  create  app/views/comments/_form.html.erb
  invoke  test_unit
  create  test/controllers/comments_controller_test.rb
  invoke  helper
  create  app/helpers/comments_helper.rb
  invoke  test_unit
  invoke  jbuilder
  create  app/views/comments/index.json.jbuilder
  create  app/views/comments/show.json.jbuilder
  create  app/views/comments/_comment.json.jbuilder
  invoke  test_unit
  create  test/system/comments_test.rb
  invoke  assets
  invoke  coffee
  create  app/assets/javascripts/comments.coffee
  invoke  scss
  create  app/assets/stylesheets/comments.scss
  invoke  scss
  create  app/assets/stylesheets/scaffolds.scss
```

`config/routes.rb`

`Rails.application.routes.draw do`

```
  resources :comments
  devise_for :users
  resources :articles
```

```
  root 'welcome#index'
```

```
  # For details on the DSL available within this file, see http://guides.rubyonrails.org/routing.html
end
```

db\migrate\20200904030602\_create\_comments.rb

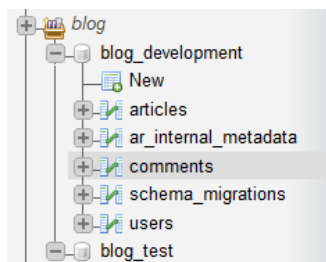
```
class CreateComments < ActiveRecord::Migration[5.1]
  def change
    create_table :comments do |t|
      t.references :user, foreign_key: true
      t.references :article, foreign_key: true
      t.text :body

      t.timestamps
    end
  end
end
```

## Executando a migration

rake db:migrate

```
C:\Sites\blog>rake db:migrate
== 20200904030602 CreateComments: migrating =====
-- create_table(:comments)
   -> 3.7067s
== 20200904030602 CreateComments: migrated (3.7098s) =====
```



| #                        | Name         | Type       | Collation       | Attributes | Null | Default | Comments | Extra          | Action   |
|--------------------------|--------------|------------|-----------------|------------|------|---------|----------|----------------|--|
| <input type="checkbox"/> | 1 id         | bigint(20) |                 |            | No   | None    |          | AUTO_INCREMENT | <a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a> |
| <input type="checkbox"/> | 2 user_id    | bigint(20) |                 |            | Yes  | NULL    |          |                | <a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a> |
| <input type="checkbox"/> | 3 article_id | bigint(20) |                 |            | Yes  | NULL    |          |                | <a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a> |
| <input type="checkbox"/> | 4 body       | text       | utf8_general_ci |            | Yes  | NULL    |          |                | <a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a> |
| <input type="checkbox"/> | 5 created_at | datetime   |                 |            | No   | None    |          |                | <a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a> |
| <input type="checkbox"/> | 6 updated_at | datetime   |                 |            | No   | None    |          |                | <a href="#">Change</a> <a href="#">Drop</a> <a href="#">More</a> |

☐ Check all    With selected: [Browse](#) [Change](#) [Drop](#) [Primary](#) [Unique](#) [Index](#) [Fulltext](#)

localhost:3000/comments

Blog Facilito

Início

Desenho

Programação

Tecnologia

Sair

## Comments

User Article Body

New Comment



app\models\comment.rb

```
class Comment < ApplicationRecord
  belongs_to :user
  belongs_to :article
end
```

app\controllers\comments\_controller.rb

```
class CommentsController < ApplicationController
  before_action :authenticate_user!
  before_action :set_comment, only: [:show, :edit, :update, :destroy]

  # GET /comments
  # GET /comments.json
  def index
    @comments = Comment.all
  end

  # GET /comments/1
  # GET /comments/1.json
  def show
  end

  # GET /comments/new
  def new
    @comment = Comment.new
  end

  # GET /comments/1/edit
  def edit
  end

  # POST /comments
  # POST /comments.json
  def create
    @comment = Comment.new(comment_params)

    respond_to do |format|
      if @comment.save
        format.html { redirect_to @comment, notice: 'Comment was successfully created.' }
        format.json { render :show, status: :created, location: @comment }
      else
        format.html { render :new }
        format.json { render json: @comment.errors, status: :unprocessable_entity }
      end
    end
  end
end
```

```

# PATCH/PUT /comments/1
# PATCH/PUT /comments/1.json
def update
  respond_to do |format|
    if @comment.update(comment_params)
      format.html { redirect_to @comment, notice: 'Comment was successfully updated.' }
      format.json { render :show, status: :ok, location: @comment }
    else
      format.html { render :edit }
      format.json { render json: @comment.errors, status: :unprocessable_entity }
    end
  end
end

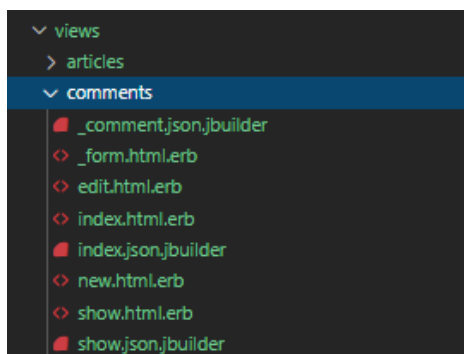
# DELETE /comments/1
# DELETE /comments/1.json
def destroy
  @comment.destroy
  respond_to do |format|
    format.html { redirect_to comments_url, notice: 'Comment was successfully destroyed.' }
    format.json { head :no_content }
  end
end

private
# Use callbacks to share common setup or constraints between actions.
def set_comment
  @comment = Comment.find(params[:id])
end

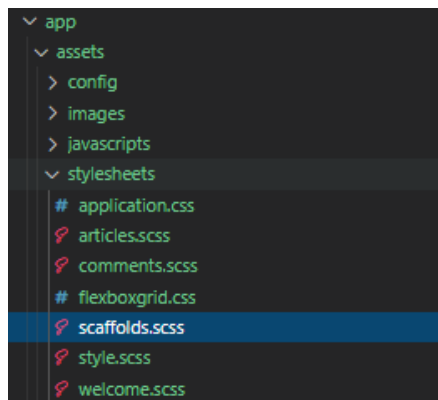
# Only allow a list of trusted parameters through.
def comment_params
  params.require(:comment).permit(:user_id, :article_id, :body)
end
end

```

## Views criados



## Folha de estilos criada



# AULA 19 - NESTED RESOURCES

## Recursos aninhados

Comentários são recursos de artigos.

config/routes.rb

```
Rails.application.routes.draw do
  resources :articles do
    resources :comments, only: [:create, :destroy, :update]
  end
  devise_for :users
  root 'welcome#index'
end
```

app/views/articles/show.html.erb

```
<h1><%= @article.title %></h1>

<% unless @article.user.nil? %>
  <p>
    Escrito por: <%= @article.user.email %>
  </p>
<% end %>

<p>
  Visitas: <%= @article.visits_count %>
</p>

<div>
  <%= @article.body %>
</div>

<div class="field">
  <h3>Comentários</h3>
  <%= render "comments/form" %>
  <ul>
    <% @article.comments.each do |comment| %>
      <li>
        <%= comment.body %> - <%= comment.user.email %>
      </li>
    <% end %>
  </ul>
</div>

<div>
  <%= link_to "Editar", edit_article_path(@article) %>
</div>
```

## app\views\comments\\_form.html.erb

```
<%= form_for([@article,@comment]) do |f| %>
  <% if @comment.errors.any? %>
    <div id="error_explanation">
      <h2><%= pluralize(@comment.errors.count, "error") %> prohibited this comment from being saved:</h2>

      <ul>
        <% @comment.errors.full_messages.each do |message| %>
          <li><%= message %></li>
        <% end %>
      </ul>
    </div>
  <% end %>

  <div class="field">
    <%= f.label :body %>
    <%= f.text_area :body %>
  </div>

  <div class="actions">
    <%= f.submit %>
  </div>
<% end %>
```

## app\models\user.rb

```
class User < ApplicationRecord
  # Include default devise modules. Others available are:
  # :confirmable, :lockable, :timeoutable, :trackable and :omniauthable
  devise :database_authenticatable, :registerable,
         :recoverable, :rememberable, :validatable
  has_many :articles
  has_many :comments
end
```

## app\models\article.rb

```
class Article < ApplicationRecord
  belongs_to :user
  has_many :comments
  validates :title, presence: true, uniqueness: true
  validates :body, presence: true, length: { minimum: 20 }

  before_save :set_visits_count

  def update_visits_count
    self.update(visits_count: self.visits_count + 1)
  end

  private
```



```

    def set_visits_count
      self.visits_count ||= 0
    end
  end
end

```

- Apague o conteúdo do arquivo app\views\comments\index.html.erb

### app\controllers\comments\_controller.rb

```

class CommentsController < ApplicationController
  before_action :set_comment, only: [:update, :destroy]
  before_action :set_article
  before_action :authenticate_user!

  # POST /comments
  # POST /comments.json
  def create
    @comment = current_user.comments.new(comment_params)
    @comment.article = @article

    respond_to do |format|
      if @comment.save
        format.html { redirect_to @comment.article, notice: 'Comment was successfully created.' }
        format.json { render :show, status: :created, location: @comment }
      else
        format.html { render :new }
        format.json { render json: @comment.errors, status: :unprocessable_entity }
      end
    end
  end

  # PATCH/PUT /comments/1
  # PATCH/PUT /comments/1.json
  def update
    respond_to do |format|
      if @comment.update(comment_params)
        format.html { redirect_to @comment.article, notice: 'Comment was successfully updated.' }
        format.json { render :show, status: :ok, location: @comment }
      else
        format.html { render :edit }
        format.json { render json: @comment.errors, status: :unprocessable_entity }
      end
    end
  end

  # DELETE /comments/1
  # DELETE /comments/1.json
  def destroy
    @comment.destroy
    respond_to do |format|
      format.html { redirect_to @article, notice: 'Comment was successfully destroyed.' }
      format.json { head :no_content }
    end
  end
end

```

```

private

def set_article
  @article = Article.find(params[:article_id])
end

# Use callbacks to share common setup or constraints between actions.
def set_comment
  @comment = Comment.find(params[:id])
end

# Only allow a list of trusted parameters through.
def comment_params
  params.require(:comment).permit(:user_id, :article_id, :body)
end
end

```

#### [app\controllers\articles\\_controller.rb](#)

```

class ArticlesController < ApplicationController

  before_action :authenticate_user!, except: [:show, :index]
  before_action :set_article, except: [:index, :new, :create]

  # GET /articles
  # Todos os registros
  def index
    @articles = Article.all
  end

  # GET /articles/:id
  # Encontra um registro por id
  def show
    @article.update_visits_count
    @comment = Comment.new
  end

  # GET /articles/new
  def new
    @article = Article.new
  end

  # POST /articles
  def create
    # @article = Article.new(params[:article])
    # @article = Article.new(article_params)

    @article = current_user.articles.new(article_params)

    if @article.save
      redirect_to @article
    else
      render :new
    end
  end
end

```

```
def edit

end

def update

  if @article.update(article_params)
    redirect_to @article
  else
    render :edit
  end
end

def destroy
  @article.destroy
  redirect_to articles_path
end

private

def set_article
  @article = Article.find(params[:id])
end

def article_params
  params.require(:article).permit(:title, :body)
end

end
```



 localhost:3000/articles/3

Blog Facilito

Início

Desenho

## Terceiro artigo

Escrito por: betopinheiro1005@yahoo.com.br

Visitas: 8

Este é o conteúdo do terceiro artigo.

### Comentários

Body

Novo comentário do post.

Create Comment

• Criando o primeiro comentário - betopinheiro1005@yahoo.com.br

Editar

Comment was successfully created.

## Terceiro artigo

Escrito por: betopinheiro1005@yahoo.com.br

Visitas: 9

Este é o conteúdo do terceiro artigo.

### Comentários

Body

Create Comment

- Criando o primeiro comentário - betopinheiro1005@yahoo.com.br
- Novo comentário do post. - betopinheiro1005@yahoo.com.br

Editar

## AULA 20 - AJAX COM FORMULÁRIOS REMOTOS

app\views\comments\\_form.html.erb

```
<%= form_for([@article,@comment], remote: true, html: {id: "comments-form"}) do |f| %>
  <% if @comment.errors.any? %>
    <div id="error_explanation">
      <h2><%= pluralize(@comment.errors.count, "error") %> prohibited this comment from being saved:</h2>

      <ul>
        <% @comment.errors.full_messages.each do |message| %>
          <li><%= message %></li>
        <% end %>
      </ul>
    </div>
  <% end %>

  <div class="field">
    <%= f.label :body %>
    <%= f.text_area :body %>
  </div>

  <div class="actions">
    <%= f.submit %>
  </div>
<% end %>
```



- Repare que é inserido no elemento form o atributo **data-remote="true"**.



Comment was successfully created.

## Terceiro artigo

Escrito por: betopinheiro1005@yahoo.com.br

Visitas: 11

Este é o conteúdo do terceiro artigo.

### Comentários

Body

Create Comment

- Criando o primeiro comentário - betopinheiro1005@yahoo.com.br
- Novo comentário do post. - betopinheiro1005@yahoo.com.br
- Este comentário se envia por AJAX. - betopinheiro1005@yahoo.com.br

Editar

## Instalando jquery-turbolinks

<https://github.com/kossnocorp/jquery.turbolinks>

gem 'jquery-turbolinks'

Insira essa linha em Gemfile.

### Gemfile

source 'https://rubygems.org'

```
git_source(:github) do |repo_name|
  repo_name = "#{repo_name}/#{repo_name}" unless repo_name.include?("/")
  "https://github.com/#{repo_name}.git"
end
```

```
# Bundle edge Rails instead: gem 'rails', github: 'rails/rails'
gem 'rails', '~> 5.1.7'
# Use mysql as the database for Active Record
gem 'mysql2', '>= 0.3.18', '< 0.6.0'
# Use Puma as the app server
gem 'puma', '~> 3.7'
# Use SCSS for stylesheets
gem 'sass-rails', '~> 5.0'
# Use Uglifier as compressor for JavaScript assets
gem 'uglifier', '>= 1.3.0'
# See https://github.com/rails/execjs#readme for more supported runtimes
# gem 'therubyracer', platforms: :ruby
```

```
# Use CoffeeScript for .coffee assets and views
gem 'coffee-rails', '~> 4.2'
# Turbolinks makes navigating your web application faster. Read more:
https://github.com/turbolinks/turbolinks
gem 'turbolinks', '~> 5'
# Build JSON APIs with ease. Read more: https://github.com/rails/jbuilder
gem 'jbuilder', '~> 2.5'
# Use Redis adapter to run Action Cable in production
gem 'redis', '~> 4.0'
# Use ActiveModel has_secure_password
gem 'bcrypt', '~> 3.1.7'
```

```
gem 'devise', '~> 4.7', '>= 4.7.2'
```

```
gem 'jquery-turbolinks'
```

```
# Use Capistrano for deployment
gem 'capistrano-rails', group: :development
```

```
group :development, :test do
  # Call 'byebug' anywhere in the code to stop execution and get a debugger console
  gem 'byebug', platforms: [:mri, :mingw, :x64_mingw]
  # Adds support for Capybara system testing and selenium driver
  gem 'capybara', '>= 2.15'
  gem 'selenium-webdriver'
end
```

```
group :development do
  # Access an IRB console on exception pages or by using <%= console %> anywhere in the code.
  gem 'web-console', '>= 3.3.0'
end
```

```
# Windows does not include zoneinfo files, so bundle the tzinfo-data gem
gem 'tzinfo-data', platforms: [:mingw, :mswin, :x64_mingw, :jruby]
```

No terminal, execute o comando:

bundle install

```
C:\Sites\blog (master)
λ bundle install
The latest bundler is 2.2.0.rc.1, but you are currently running 1.15.3.
To update, run `gem install bundler --pre`
Fetching gem metadata from https://rubygems.org/.....
Fetching version metadata from https://rubygems.org/...
Fetching dependency metadata from https://rubygems.org/..
Resolving dependencies...
Using rake 13.0.1
Using concurrent-ruby 1.1.7
Using minitest 5.14.2
Using thread_safe 0.3.6
Using builder 3.2.4
Using erubi 1.9.0
Using mini_portile2 2.4.0
Using crass 1.0.6
Using rack 2.2.3
Using nio4r 2.5.2
Using websocket-extensions 0.1.5
Using mini_mime 1.0.2
Using arel 8.0.0
Using public_suffix 4.0.6
Using bcrypt 3.1.16
Using bindindex 0.8.1
Using bundler 1.15.3
Using byebug 11.0.1
Using regexp_parser 1.7.1
Using childprocess 3.0.0
Using coffee-script-source 1.12.2
Using execjs 2.7.0
Using method_source 1.0.0
Using thor 1.0.1
```

```
Using selenium-webdriver 3.142.7
Using activesupport 5.1.7
Using tzinfo-data 1.2020.1
Using loofah 2.7.0
Using xpath 3.2.0
Using sass-listen 4.0.0
Using rails-dom-testing 2.0.3
Using globalid 0.4.2
Using activemodel 5.1.7
Using jbuilder 2.10.0
Using rails-html-sanitizer 1.3.0
Using capybara 3.15.1
Using sass 3.7.4
Using activejob 5.1.7
Using activerecord 5.1.7
Using actionview 5.1.7
Using actionpack 5.1.7
Using actioncable 5.1.7
Using actionmailer 5.1.7
Using railties 5.1.7
Using sprockets-rails 3.2.1
Using coffee-rails 4.2.2
Using responders 2.4.1
Fetching jquery-turbolinks 2.1.0
Installing jquery-turbolinks 2.1.0
Using web-console 3.7.0
Using rails 5.1.7
Using sass-rails 5.0.7
Using devise 4.7.2
Bundle complete! 15 Gemfile dependencies, 73 gems now installed.
Use `bundle info [gemname]` to see where a bundled gem is installed.
```



## app\controllers\comments\_controller.rb

```
class CommentsController < ApplicationController
  before_action :set_comment, only: [:update, :destroy]
  before_action :set_article
  before_action :authenticate_user!

  # POST /comments
  # POST /comments.json
  def create
    @comment = current_user.comments.new(comment_params)
    @comment.article = @article

    respond_to do |format|
      if @comment.save
        format.html { redirect_to @comment.article, notice: 'Comment was successfully created.' }
        format.json { render :show, status: :created, location: @comment.article }
      else
        format.html { render :new }
        format.json { render json: @comment.errors, status: :unprocessable_entity }
      end
    end
  end

  # PATCH/PUT /comments/1
  # PATCH/PUT /comments/1.json
  def update
    respond_to do |format|
      if @comment.update(comment_params)
        format.html { redirect_to @comment.article, notice: 'Comment was successfully updated.' }
        format.json { render :show, status: :ok, location: @comment }
      else
        format.html { render :edit }
        format.json { render json: @comment.errors, status: :unprocessable_entity }
      end
    end
  end

  # DELETE /comments/1
  # DELETE /comments/1.json
  def destroy
    @comment.destroy
    respond_to do |format|
      format.html { redirect_to @article, notice: 'Comment was successfully destroyed.' }
      format.json { head :no_content }
    end
  end

  private

  def set_article
    @article = Article.find(params[:article_id])
  end
end
```

```

# Use callbacks to share common setup or constraints between actions.
def set_comment
  @comment = Comment.find(params[:id])
end

# Only allow a list of trusted parameters through.
def comment_params
  params.require(:comment).permit(:user_id, :article_id, :body)
end
end

```

#### app\views\comments\\_form.html.erb

```

<%= form_for([@article,@comment], remote: true, html: {id: "comments-form", :data-type=>"json"}) do |f|
%>
  <% if @comment.errors.any? %>
    <div id="error_explanation">
      <h2><%= pluralize(@comment.errors.count, "error") %> prohibited this comment from being saved:</h2>

      <ul>
        <% @comment.errors.full_messages.each do |message| %>
          <li><%= message %></li>
        <% end %>
      </ul>
    </div>
  <% end %>

  <div class="field">
    <%= f.label :body %>
    <%= f.text_area :body %>
  </div>

  <div class="actions">
    <%= f.submit %>
  </div>
<% end %>

```

#### app\views\articles\show.html.erb

```

<h1><%= @article.title %></h1>

<% unless @article.user.nil? %>
  <p>
    Escrito por: <%= @article.user.email %>
  </p>
<% end %>

<p>
  Visitas: <%= @article.visits_count %>
</p>

```

```

<div>
  <%= @article.body %>
</div>

<div class="field">
  <h3>Comentários</h3>
  <%= render "comments/form" %>
  <ul id="comments-box">
    <% @article.comments.each do |comment| %>
      <li>
        <%= comment.body %> - <%= comment.user.email %>
      </li>
    <% end %>
  </ul>
</div>

<div>
  <%= link_to "Editar", edit_article_path(@article) %>
</div>

```

app/assets/javascripts/comments.coffee

# Place all the behaviors and hooks related to the matching controller here.  
 # All this logic will automatically be available in application.js.  
 # You can use CoffeeScript in this file: <http://coffeescript.org/>

```

$(document).on "ajax: success", "form#comments-form", (ev, data) -> console.log data
$(this).find("textarea").val("")
$("#comments-box").append("<li> #{data.body} - #{<}} </li>")
$(document).on "ajax: error", "form#comments-form", (ev, data) -> console.log data

```



- Atualize a página (F5)

localhost:3000/articles/3

Blog Facilito

Início

Desenho

### Terceiro artigo

Escrito por: betopinheiro1005@yahoo.com.br

Visitas: 21

Este é o conteúdo do terceiro artigo.

#### Comentários

Body

Create Comment

- Criando o primeiro comentário - betopinheiro1005@yahoo.com.br
- Novo comentário do post. - betopinheiro1005@yahoo.com.br
- Este comentário se envia por AJAX. - betopinheiro1005@yahoo.com.br
- Outro comentário com AJAX. - betopinheiro1005@yahoo.com.br

Editar

localhost:3000/articles/6

Blog Facilito

Início

### Artigo especial

Escrito por: betopinheiro1005@yahoo.com.br

Visitas: 8

Conteúdo de um artigo especial que possui autoria.

#### Comentários

Body

Este artigo é muito interessante!

Create Comment

Editar

- Atualize a página (F5)

localhost:3000/articles/6

Blog Facilito

Início

Desenho

### Artigo especial

Escrito por: betopinheiro1005@yahoo.com.br

Visitas: 9

Conteúdo de um artigo especial que possui autoria.

#### Comentários

Body

Create Comment

- Este artigo é muito interessante! - betopinheiro1005@yahoo.com.br

Editar

## AULA 21 - JSON COM JBUILDER

config/routes.rb

```
Rails.application.routes.draw do
  resources :articles do
    resources :comments, only: [:create, :destroy, :update, :show]
  end
  devise_for :users
  root 'welcome#index'
end
```

app/controllers/comments\_controller.rb

```
class CommentsController < ApplicationController
  before_action :set_comment, only: [:update, :destroy, :show]
  before_action :set_article
  before_action :authenticate_user!

  def show
  end

  # POST /comments
  # POST /comments.json
  def create
    @comment = current_user.comments.new(comment_params)
    @comment.article = @article

    respond_to do |format|
      if @comment.save
        format.html { redirect_to @comment.article, notice: 'Comment was successfully created.' }
        format.json { render :show, status: :created, location: @comment.article }
      else
        format.html { render :new }
        format.json { render json: @comment.errors, status: :unprocessable_entity }
      end
    end
  end

  # PATCH/PUT /comments/1
  # PATCH/PUT /comments/1.json
  def update
    respond_to do |format|
      if @comment.update(comment_params)
        format.html { redirect_to @comment.article, notice: 'Comment was successfully updated.' }
        format.json { render :show, status: :ok, location: @comment }
      else
        format.html { render :edit }
        format.json { render json: @comment.errors, status: :unprocessable_entity }
      end
    end
  end
end
```

```

# DELETE /comments/1
# DELETE /comments/1.json
def destroy
  @comment.destroy
  respond_to do |format|
    format.html { redirect_to @article, notice: 'Comment was successfully destroyed.' }
    format.json { head :no_content }
  end
end

private

def set_article
  @article = Article.find(params[:article_id])
end

# Use callbacks to share common setup or constraints between actions.
def set_comment
  @comment = Comment.find(params[:id])
end

# Only allow a list of trusted parameters through.
def comment_params
  params.require(:comment).permit(:user_id, :article_id, :body)
end
end

```

- Altere o arquivo `app\views\comments\show.json.jbuilder` para:

`app\views\comments\show.json.jbuilder`

`json.extract! @comment, :id, :user_id, :article_id, :body, :created_at, :updated_at`

← → ↺ 🏠 localhost:3000/articles/3

**Blog Facilito** Início Desenho

## Terceiro artigo

Escrito por: betopinheiro1005@yahoo.com.br

Visitas: 24

Este é o conteúdo do terceiro artigo.

### Comentários

Body

Create Comment

- Criando o primeiro comentário - betopinheiro1005@yahoo.com.br
- Novo comentário do post. - betopinheiro1005@yahoo.com.br
- Este comentário se envia por AJAX. - betopinheiro1005@yahoo.com.br
- Outro comentário com AJAX. - betopinheiro1005@yahoo.com.br

Editar

| ←           | →                               | ↺            | 🏠          | localhost:3000/articles/3/comments/1.json |
|-------------|---------------------------------|--------------|------------|---|
| JSON        | Raw Data                        | Headers      |            |   |
| Save        | Copy                            | Collapse All | Expand All | Filter JSON                               |
| id:         | 1                               |              |            |   |
| user_id:    | 1                               |              |            |   |
| article_id: | 3                               |              |            |   |
| body:       | "Criando o primeiro comentário" |              |            |   |
| created_at: | "2020-09-10T05:05:50.000Z"      |              |            |   |
| updated_at: | "2020-09-10T05:05:50.000Z"      |              |            |   |

| ←           | →                          | ↺            | 🏠          | localhost:3000/articles/3/comments/2.json |
|-------------|----------------------------|--------------|------------|---|
| JSON        | Raw Data                   | Headers      |            |   |
| Save        | Copy                       | Collapse All | Expand All | Filter JSON                               |
| id:         | 2                          |              |            |   |
| user_id:    | 1                          |              |            |   |
| article_id: | 3                          |              |            |   |
| body:       | "Novo comentário do post." |              |            |   |
| created_at: | "2020-09-10T05:10:34.000Z" |              |            |   |
| updated_at: | "2020-09-10T05:10:34.000Z" |              |            |   |

| ←           | →                                    | ↺            | 🏠          | localhost:3000/articles/3/comments/3.json |
|-------------|--------------------------------------|--------------|------------|---|
| JSON        | Raw Data                             | Headers      |            |   |
| Save        | Copy                                 | Collapse All | Expand All | Filter JSON                               |
| id:         | 3                                    |              |            |   |
| user_id:    | 1                                    |              |            |   |
| article_id: | 3                                    |              |            |   |
| body:       | "Este comentário se envia por AJAX." |              |            |   |
| created_at: | "2020-09-10T05:30:19.000Z"           |              |            |   |
| updated_at: | "2020-09-10T05:30:19.000Z"           |              |            |   |

| ←           | →                            | ↺            | 🏠          | localhost:3000/articles/3/comments/4.json |
|-------------|------------------------------|--------------|------------|---|
| JSON        | Raw Data                     | Headers      |            |   |
| Save        | Copy                         | Collapse All | Expand All | Filter JSON                               |
| id:         | 4                            |              |            |   |
| user_id:    | 1                            |              |            |   |
| article_id: | 3                            |              |            |   |
| body:       | "Outro comentário com AJAX." |              |            |   |
| created_at: | "2020-09-10T06:20:06.000Z"   |              |            |   |
| updated_at: | "2020-09-10T06:20:06.000Z"   |              |            |   |

app\views\comments\show.json.jbuilder

json.extract! @comment, :id, :user\_id, :article\_id, :body, :created\_at, :updated\_at

# json.id @comment.id

# json.user\_id @comment.user\_id

# json.article\_id @comment.article\_id

# json.body @comment.body

# json.created\_at @comment.created\_at

# json.updated\_at @comment.updated\_at

```
json.user do
  json.email @comment.user.email
end
```

app/assets/javascripts/comments.coffee

# Place all the behaviors and hooks related to the matching controller here.  
# All this logic will automatically be available in application.js.  
# You can use CoffeeScript in this file: <http://coffeescript.org/>

```
$(document).on "ajax: success", "form#comments-form", (ev, data) -> console.log data
$(this).find("textarea").val("")
$("#comments-box").append("<li> #{data.body} - #{data.user.email} </li>")
$(document).on "ajax: error", "form#comments-form", (ev, data) -> console.log data
```

