

# Curso de Ruby on Rails - aulas 21 a 30

## Jackson Pires

<https://www.youtube.com/watch?v=ZHPondVB9RQ&list=PLe3LRfCs4go-mkvHRMSXEOG-HDbzesyaP>

Resumo do curso feito por Roberto Pinheiro

## Aula 21 - Rails Composer

<https://github.com/RailsApps/rails-composer>

`rails new myappcomposer -m https://raw.githubusercontent.com/RailsApps/rails-composer/master/composer.rb`

```
option  Build a starter application?
      1) Build a RailsApps example application
      2) Contributed applications
      3) Custom application (experimental)
choose  Enter your selection: 1
```

```
option  Choose a starter application.
      1) learn-rails
      2) rails-bootstrap
      3) rails-foundation
      4) rails-mailinglist-activejob
      5) rails-omniauth
      6) rails-devise
      7) rails-devise-roles
      8) rails-devise-pundit
      9) rails-signup-download
     10) rails-stripe-checkout
     11) rails-stripe-coupons
choose  Enter your selection: 6_
```

```
Get on the mailing list for Rails Composer news?
option  Enter your email address:
recipe  Running learn_rails recipe...
recipe  Running rails_bootstrap recipe...
recipe  Running rails_foundation recipe...
recipe  Running rails_omniauth recipe...
recipe  Running rails_devise recipe...
recipe  Running rails_devise_roles recipe...
recipe  Running rails_devise_pundit recipe...
recipe  Running rails_shortcut_app recipe...
recipe  Running rails_signup_download recipe...
recipe  Running rails_signup_thankyou recipe...
recipe  Running rails_mailinglist_activejob recipe...
recipe  Running rails_stripe_checkout recipe...
recipe  Running rails_stripe_coupons recipe...
recipe  Running rails_stripe_membership_saas recipe...
recipe  Running setup recipe...
setup   Your operating system is mingw32.
setup   You are using Ruby version 2.5.1.
setup   You are using Rails version 5.2.3.
```

```
option Web server for development?
  1) Puma (default)
  2) Thin
  3) Unicorn
  4) Phusion Passenger (Apache/Nginx)
  5) Phusion Passenger (Standalone)
choose Enter your selection: 2
option Web server for production?
  1) Same as development
  2) Thin
  3) Unicorn
  4) Phusion Passenger (Apache/Nginx)
  5) Phusion Passenger (Standalone)
choose Enter your selection: 3
```

```
option Database used in development?
  1) SQLite
  2) PostgreSQL
  3) MySQL
choose Enter your selection: 3_
```

```
option Template engine?
  1) ERB
  2) Haml
  3) Slim
choose Enter your selection: 1_
```

```
option Test framework?
  1) None
  2) RSpec
choose Enter your selection: 2_
```

```
option Continuous testing?
  1) None
  2) Guard
choose Enter your selection: 1
```

```
option Front-end framework?
  1) None
  2) Bootstrap 4.0
  3) Bootstrap 3.3
  4) Bootstrap 2.3
  5) Zurb Foundation 5.5
  6) Zurb Foundation 4.0
  7) Simple CSS
choose Enter your selection: 3_
```

```
option How to install jQuery?
  1) Add jquery-rails gem
  2) Add using yarn
choose Enter your selection: 1
```

option Add support for sending email?

- 1) None
- 2) Gmail
- 3) SMTP
- 4) SendGrid
- 5) Mandrill

choose Enter your selection: 5

option Devise modules?

- 1) Devise with default modules
- 2) Devise with Confirmable module
- 3) Devise with Confirmable and Invitable modules

choose Enter your selection: 1

option Use a form builder gem?

- 1) None
- 2) SimpleForm

choose Enter your selection: 1

setup Which Bootstrap page template? Visit [startbootstrap.com](http://startbootstrap.com).

option Add Bootstrap page templates?

- 1) None
- 2) 1 Col Portfolio
- 3) 2 Col Portfolio
- 4) 3 Col Portfolio
- 5) 4 Col Portfolio
- 6) Bare
- 7) Blog Home
- 8) Business Casual
- 9) Business Frontpage
- 10) Clean Blog
- 11) Full Width Pics
- 12) Heroic Features
- 13) Landing Page
- 14) Modern Business
- 15) One Page Wonder
- 16) Portfolio Item
- 17) Round About
- 18) Shop Homepage
- 19) Shop Item
- 20) Simple Sidebar
- 21) Small Business
- 22) Stylish Portfolio
- 23) The Big Picture
- 24) Thumbnail Gallery

choose Enter your selection: 1

option Install page-view analytics?

- 1) None
- 2) Google Analytics
- 3) Segment.com

choose Enter your selection: 1

```
option Prepare for deployment?
  1) no
  2) Heroku
  3) Capistrano
choose Enter your selection: 1
```

```
deployment installing gems for Heroku
recipe Running extras recipe...
option Disable Rails Turbolinks? (y/n) n
option Set a robots.txt file to ban spiders? (y/n) n
option Create a GitHub repository? (y/n) n
```

```
option Username for MySQL? (leave blank to use the app name) root
gsub config/database.yml
option Password for MySQL user root?
```

```
option Okay to drop all existing databases named myappcomposer? 'No' will abort immediately! (y/n) y
```

cd myappcomposer

rails s

No navegador:

localhost:3000

## Aula 22 - Rake db:seed

`rails g scaffold User name:string email:string`

`rake db:create db:migrate`

### Gemfile

```
source 'https://rubygems.org'
git_source(:github) { |repo| "https://github.com/#{repo}.git" }

ruby '2.5.1'

# Faker
gem 'faker'
# Bundle edge Rails instead: gem 'rails', github: 'rails/rails'
gem 'rails', '~> 5.2.3'
# Use mysql as the database for Active Record
gem 'mysql2', '>= 0.4.4', '< 0.6.0'
# Use Puma as the app server
gem 'puma', '~> 3.11'
# 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 'duktape'
# 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 ActiveSupport's has_secure_password
gem 'bcrypt', '~> 3.1.7'

# Use ActiveSupport variant
gem 'mini_magick', '~> 4.8'

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

# Reduces boot times through caching; required in config/boot.rb
gem 'bootsnap', '>= 1.1.0', require: false
```

```

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]
end

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

group :test do
  # Adds support for Capybara system testing and selenium driver
  gem 'capybara', '>= 2.15'
  gem 'selenium-webdriver'
  # Easy installation and use of chromedriver to run system tests with Chrome
  gem 'chromedriver-helper'
end

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

```

**bundle install**

### **config/application.rb**

```

require_relative 'boot'

require 'rails/all'

# Require the gems listed in Gemfile, including any gems
# you've limited to :test, :development, or :production.
Bundler.require(*Rails.groups)

module RorCurso
  class Application < Rails::Application
    # Initialize configuration defaults for originally generated Rails version.
    config.load_defaults 5.2

    # Settings in config/environments/* take precedence over those specified here.
    # Application configuration can go into files in config/initializers
    # -- all .rb files in that directory are automatically loaded after loading
    # the framework and any gems in your application.
    config.i18n.default_locale = "pt-BR"
  end
end

```

## db/seeds.rb

```
10.times do |i|
  user_name = Faker::Name.name
  user_email = Faker::Internet.email
  user = "#{user_name} - #{user_email}"
  puts "Cadastrando #{user}"
  User.create(name: user_name, email: user_email)
end
```

```
C:\Sites\ror-curso>rake db:seed
Cadastrando Gabriela Ribeira - kendrick@conroyhaley.org
Cadastrando Amanda Santos - stacee@parisiangislason.net
Cadastrando Dra. João Almada - mika@walker.biz
Cadastrando Núbia Vimaranes - kyle@schuppe.io
Cadastrando Raul Ximenes - andrew_kihn@pollich.net
Cadastrando Norberto da Cruz Neto - merle_bernhard@walter.com
Cadastrando Antônio Reis - marcelino@kuphalschowalter.biz
Cadastrando Ayla Barreto - lionel@runolfonharris.name
Cadastrando César Louzada - cliff@turcotte.net
Cadastrando Samuel Sales Neto - rey@dickinson.info
```

Servidor: localhost

Banco de dados: ror-curso\_developme...

Tabela: users

Dados

Consulta

ror-curso\_development.users: 10 registros

tatsir (aproximadamente)

Próximo

Mostrar todos

Ordem

Colunas (5/5)

id	name	email	created_at	updated_at
1	Gabriela Ribeira	kendrick@conroyhaley.org	2019-10-19 13:34:45	2019-10-19 13:34:45
2	Amanda Santos	stacee@parisiangislason.net	2019-10-19 13:34:45	2019-10-19 13:34:45
3	Dra. João Almada	mika@walker.biz	2019-10-19 13:34:45	2019-10-19 13:34:45
4	Núbia Vimaranes	kyle@schuppe.io	2019-10-19 13:34:46	2019-10-19 13:34:46
5	Raul Ximenes	andrew_kihn@pollich.net	2019-10-19 13:34:46	2019-10-19 13:34:46
6	Norberto da Cruz Neto	merle_bernhard@walter.com	2019-10-19 13:34:46	2019-10-19 13:34:46
7	Antônio Reis	marcelino@kuphalschowalter.biz	2019-10-19 13:34:46	2019-10-19 13:34:46
8	Ayla Barreto	lionel@runolfonharris.name	2019-10-19 13:34:46	2019-10-19 13:34:46
9	César Louzada	cliff@turcotte.net	2019-10-19 13:34:46	2019-10-19 13:34:46
10	Samuel Sales Neto	rey@dickinson.info	2019-10-19 13:34:46	2019-10-19 13:34:46

## Rake Task

## Anatomia

rake -T

```
C:\Sites\ror-curso>rake -T
rake about # List versions of all Rails framew...
rake active_storage:install # Copy over the migration needed to...
rake app:template # Applies the template supplied by ...
rake app:update # Update configs and some other ini...
rake assets:clean[keep] # Remove old compiled assets
rake assets:clobber # Remove compiled assets
rake assets:environment # Load asset compile environment
rake assets:precompile # Compile all the assets named in c...
rake cache_digests:dependencies # Lookup first-level dependencies f...
rake cache_digests:nested_dependencies # Lookup nested dependencies for TE...
rake db:create # Creates the database from DATABASE...
rake db:drop # Drops the database from DATABASE_...
rake db:environment:set # Set the environment value for the...
rake db:fixtures:load # Loads fixtures into the current e...
rake db:migrate # Migrate the database (options: VE...
rake db:migrate:status # Display status of migrations
rake db:rollback # Rolls the schema back to the prev...
rake db:schema:cache:clear # Clears a db/schema_cache.yml file
rake db:schema:cache:dump # Creates a db/schema_cache.yml file
rake db:schema:dump # Creates a db/schema.rb file that ...
rake db:schema:load # Loads a schema.rb file into the d...
rake db:seed # Loads the seed data from db/seeds.rb
rake db:setup # Creates the database, loads the s...
rake db:structure:dump # Dumps the database structure to d...
rake db:structure:load # Recreates the databases from the ...
rake db:version # Retrieves the current schema vers...
rake dev:cache # Toggle development mode caching o...
rake initializers # Print out all defined initializer...
rake log:clear # Truncates all/specified *.log fil...
rake middleware # Prints out your Rack middleware s...
rake notes # Enumerate all annotations (use no...
rake notes:custom # Enumerate a custom annotation, sp...
rake restart # Restart app by touching tmp/resta...
rake routes # Print out all defined routes in m...
rake secret # Generate a cryptographically secu...
rake stats # Report code statistics (KLOCs, et...
rake test # Runs all tests in test folder exc...
rake test:db # Run tests quickly, but also reset db
rake test:system # Run system tests only
rake time:zones[country_or_offset] # List all time zones, list by two-...
rake tmp:clear # Clear cache, socket and screensho...
rake tmp:create # Creates tmp directories for cache...
rake yarn:install # Install all JavaScript dependenci...
```



## Filtrando as tarefas

rake -T db

```
C:\Sites\ror-curso>rake -T db
rake db:create          # Creates the database from DATABASE_URL or con...
rake db:drop            # Drops the database from DATABASE_URL or confi...
rake db:environment:set # Set the environment value for the database
rake db:fixtures:load   # Loads fixtures into the current environment's...
rake db:migrate         # Migrate the database (options: VERSION=x, VER...
rake db:migrate:status  # Display status of migrations
rake db:rollback        # Rolls the schema back to the previous version...
rake db:schema:cache:clear # Clears a db/schema_cache.yml file
rake db:schema:cache:dump # Creates a db/schema_cache.yml file
rake db:schema:dump     # Creates a db/schema.rb file that is portable ...
rake db:schema:load     # Loads a schema.rb file into the database
rake db:seed            # Loads the seed data from db/seeds.rb
rake db:setup           # Creates the database, loads the schema, and i...
rake db:structure:dump  # Dumps the database structure to db/structure.sql
rake db:structure:load  # Recreates the databases from the structure.sql...
rake db:version         # Retrieves the current schema version number
rake test:db           # Run tests quickly, but also reset db
```

rake -t db:s

```
C:\Sites\ror-curso>rake -T db:s
rake db:schema:cache:clear # Clears a db/schema_cache.yml file
rake db:schema:cache:dump # Creates a db/schema_cache.yml file
rake db:schema:dump       # Creates a db/schema.rb file that is portable ...
rake db:schema:load       # Loads a schema.rb file into the database
rake db:seed              # Loads the seed data from db/seeds.rb
rake db:setup             # Creates the database, loads the schema, and i...
rake db:structure:dump    # Dumps the database structure to db/structure.sql
rake db:structure:load    # Recreates the databases from the structure.sql...
```

## Aula 23 - Criando suas próprias Rake Tasks

rails generate task <namespace><task\_name>

rails generate task utils setup\_user

```
C:\Sites\ror-curso>rails generate task utils setup_user
create  lib/tasks/utils.rake
```

### lib/tasks/utils.rake

```
namespace :utils do
  desc "Popular a tabela users"
  task setup_user: :environment do
    10.times do |i|
      user_name = Faker::Name.name
      user_email = Faker::Internet.email
      user = "#{user_name} - #{user_email}"
      puts "Cadastrando #{user}"
      User.create(name: user_name, email: user_email)
    end
  end
end
```

```
C:\Sites\ror-curso>rake -T
rake about                # List versions of all Rails framew...
rake active_storage:install # Copy over the migration needed to...
rake app:template          # Applies the template supplied by ...
rake app:update            # Update configs and some other ini...
rake assets:clean[keep]    # Remove old compiled assets
rake assets:clobber        # Remove compiled assets
rake assets:environment    # Load asset compile environment
rake assets:precompile      # Compile all the assets named in c...
rake cache_digests:dependencies # Lookup first-level dependencies f...
rake cache_digests:nested_dependencies # Lookup nested dependencies for TE...
rake db:create             # Creates the database from DATABAS...
rake db:drop              # Drops the database from DATABASE_...
rake db:environment:set    # Set the environment value for the...
rake db:fixtures:load      # Loads fixtures into the current e...
rake db:migrate            # Migrate the database (options: VE...
rake db:migrate:status     # Display status of migrations
rake db:rollback           # Rolls the schema back to the prev...
rake db:schema:cache:clear  # Clears a db/schema_cache.yml file
rake db:schema:cache:load  # Creates a db/schema_cache.yml file
rake db:schema:dump        # Creates a db/schema.rb file that ...
rake db:schema:load        # Loads a schema.rb file into the d...
rake db:seed               # Loads the seed data from db/seeds.rb
rake db:setup              # Creates the database, loads the s...
rake db:structure:dump     # Dumps the database structure to d...
rake db:structure:load     # Recreates the databases from the ...
rake db:version            # Retrieves the current schema vers...
rake dev:cache             # Toggle development mode caching o...
rake initializers          # Print out all defined initializer...
rake log:clear             # Truncates all/specified *.log fil...
rake middleware            # Prints out your Rack middleware s...
rake notes                 # Enumerate all annotations (use no...
rake notes:custom          # Enumerate a custom annotation, sp...
rake restart              # Restart app by touching tmp/resta...
rake routes                # Print out all defined routes in m...
rake secret                # Generate a cryptographically secu...
rake stats                 # Report code statistics (KLOCs, et...
rake test                  # Runs all tests in test folder exc...
rake test:db               # Run tests quickly, but also reset db
rake test:system           # Run system tests only
rake time:zones[country_or_offset] # List all time zones, list by two-...
rake tmp:clear             # Clear cache, socket and screensho...
rake tmp:create            # Creates tmp directories for cache...
rake utils:setup_user      # Popular a tabela users
```


rake utils:setup\_user

```
C:\Sites\ror-curso>rake utils:setup_user
Cadastrando Oliver Antena - dee.dicki@kutch.com
Cadastrando Patricia Negrão - glen@lefflerdickens.info
Cadastrando Yuri Pereira - josiah@legros.co
Cadastrando Liz Ambrósio - jamar@jones.org
Cadastrando Sra. Davi Miguel Raia - bee@dickinson.info
Cadastrando Alícia Silva - linsey_conn@goldner.org
Cadastrando Srta. Allana Araújo - delma.weimann@bashirian.biz
Cadastrando Louise Sales - yanira@lehner.co
Cadastrando Enzo Miguel Ribas Neto - horace_mosciski@spinkaschulist.net
Cadastrando Adriana Castanheira - sanford@creminkilback.com
```

ror-curso\_development.users: 20 registros totais (aproximadamente)

▶ Próximo

◀ Mos

 id	name	email	created_at	updated_at
1	Gabriela Ribeira	kendrick@conroyhaley.org	2019-10-19 13:34:45	2019-10-19 13:34:45
2	Amanda Santos	stacee@parisiangislason.net	2019-10-19 13:34:45	2019-10-19 13:34:45
3	Dra. João Almada	mika@walker.biz	2019-10-19 13:34:45	2019-10-19 13:34:45
4	Núbia Vimaranes	kyle@schuppe.io	2019-10-19 13:34:46	2019-10-19 13:34:46
5	Raul Ximenes	andrew_kihn@pollich.net	2019-10-19 13:34:46	2019-10-19 13:34:46
6	Norberto da Cruz Neto	merle_bernhard@walter.com	2019-10-19 13:34:46	2019-10-19 13:34:46
7	Antônio Reis	marcelino@kuphalschowalter.biz	2019-10-19 13:34:46	2019-10-19 13:34:46
8	Ayla Barreto	lionel@runolfonharris.name	2019-10-19 13:34:46	2019-10-19 13:34:46
9	César Louzada	cliff@turcotte.net	2019-10-19 13:34:46	2019-10-19 13:34:46
10	Samuel Sales Neto	rey@dickinson.info	2019-10-19 13:34:46	2019-10-19 13:34:46
11	Oliver Antena	dee.dicki@kutch.com	2019-10-19 14:03:56	2019-10-19 14:03:56
12	Patricia Negrão	glen@lefflerdickens.info	2019-10-19 14:03:56	2019-10-19 14:03:56
13	Yuri Pereira	josiah@legros.co	2019-10-19 14:03:56	2019-10-19 14:03:56
14	Liz Ambrósio	jamar@jones.org	2019-10-19 14:03:56	2019-10-19 14:03:56
15	Sra. Davi Miguel Raia	bee@dickinson.info	2019-10-19 14:03:56	2019-10-19 14:03:56
16	Alícia Silva	linsey_conn@goldner.org	2019-10-19 14:03:56	2019-10-19 14:03:56
17	Srta. Allana Araújo	delma.weimann@bashirian.biz	2019-10-19 14:03:56	2019-10-19 14:03:56
18	Louise Sales	yanira@lehner.co	2019-10-19 14:03:57	2019-10-19 14:03:57
19	Enzo Miguel Ribas Neto	horace_mosciski@spinkaschulist.net	2019-10-19 14:03:57	2019-10-19 14:03:57
20	Adriana Castanheira	sanford@creminkilback.com	2019-10-19 14:03:57	2019-10-19 14:03:57

rake utils:setup\_user

```
namespace :utils do
  desc "Popular a tabela users com 10 nomes"
  task setup_user: :environment do
    10.times do |i|
      user_name = Faker::Name.name
      user_email = Faker::Internet.email
      user = "#{user_name} - #{user_email}"
      puts "Cadastrando #{user}"
      User.create(name: user_name, email: user_email)
    end
  end

  desc "Popular a tabela users com 50 nomes"
  task setup_user_50: :environment do
    50.times do |i|
      user_name = Faker::Name.name
      user_email = Faker::Internet.email
      user = "#{user_name} - #{user_email}"
      puts "Cadastrando #{user}"
      User.create(name: user_name, email: user_email)
    end
  end
end
```

rake -T util

```
C:\Sites\ror-curso>rake -T util
rake utils:setup_user      # Popular a tabela users com 10 nomes
rake utils:setup_user_50  # Popular a tabela users com 50 nomes
```

rake utils:setup\_user\_50

```
C:\Sites\ror-curso>rake utils:setup_user_50
Cadastrando Yago Mendanha Jr. - corine@douglas.org
Cadastrando Eduardo da Paz - ryan@gusikowskireichel.org
Cadastrando Dr. Arthur Miguel da Maia - kirby@ankunding.io
Cadastrando Erick Jaques - mason@connelly.co
Cadastrando Luiz Henrique da Gama - mina.cole@dicki.com
Cadastrando Ayla Costa - mohamed.stoltenberg@wardokuneva.com
Cadastrando Salvador Conceição - thelon.mraz@von.org
Cadastrando Laís Grotas Jr. - vikki@purdy.co
Cadastrando Roberto Silva - patti_langworth@grimeswalker.io
Cadastrando Helena Filgueira - georgie_corwin@keeling.name
Cadastrando Srta. Paulo Lessa - ruthe@hickle.org
Cadastrando Leonardo da Terra Filho - cyrus@marks.info
Cadastrando Pietro Brites Neto - shaun@wuckert.net
Cadastrando Sra. Maria Conceição - hunter.ryan@lowe.org
Cadastrando Nataniel Arriaga - tennie.lowe@bergstromfeest.com
Cadastrando Dra. Lorena Barreira - izola@fay.name
Cadastrando Eduarda Madeira - jefferson@tomp.co
Cadastrando Joaquim Caseira - quinton_block@lebsack.net
Cadastrando Dr. André de Borba - karry_rempel@botsford.name
Cadastrando Lucas Gabriel Negrão - hector_halvorson@kris.co
Cadastrando Srta. Igor Nogueira - pedro@schowalterwillms.org
Cadastrando Benjamin Coutinho - freeman_klocko@kautzerlemke.com
Cadastrando Manuela Parreira - corrinne_ratke@mittchell.biz
Cadastrando Arthur Crespo - ned@gusikowski.biz
Cadastrando Alessandra das Neves Neto - melodee@okunevarosenbaum.org
Cadastrando Isabella Arantes - davina_ritchie@hayes.info
Cadastrando Malu Chaves Filho - neva@gerlachlangworth.net
Cadastrando Morgana Cerqueira - harvey_renner@heller.org
Cadastrando Morgana Jesus - jenette@veumcruickshank.biz
Cadastrando Valentina da Silva Jr. - kevin@runolfon.net
Cadastrando Djalma da Silveira - lucienne@lynch.io
Cadastrando Enzo Thiago Antunes - oralee@brakus.co
Cadastrando Carlos Eduardo Gomide Filho - hermelinda@keler.org
Cadastrando Sr. Isabel Cabreira - marvin@zemlak.name
Cadastrando Sr. Allana Simão - stefan@hudson.org
Cadastrando Dra. Elisa Cardoso - lecia@erdmanhowell.net
Cadastrando Francisco Camacho - tristan@smitham.co
Cadastrando Rebeca Matoso - antony.gerlach@cormier.org
Cadastrando Ana Júlia Ribas - jewel.roob@bauchmoen.biz
Cadastrando Olívia Silva - ronny@towne.net
Cadastrando Pedro Tobias Almeida - mikki_emard@berge.org
Cadastrando Yuri Conceição Filho - chet_howe@rowe.io
Cadastrando Isis Cachoeira - dustv.senger@hirthe.com
Cadastrando Enzo Miguel Solimões - velia@farrellhane.org
Cadastrando Agatha Teles - nestor.von@stoltenbergmertz.io
Cadastrando Srta. Bianca Caldas - ehtel@hettingerconnelly.name
Cadastrando Kaique Martins - lucien.ruecker@millermccloughlin.org
Cadastrando Antônio Amoreira - lyle@wilkinson.co
Cadastrando Gabriel Vasques - vincenzo.sanford@lemkehills.biz
Cadastrando Igor Barbosa - terrence_gislason@hauck.name
```

rake utils:setup\_user

```
namespace :utils do
  desc "Popular a tabela users a quantidade informada"
  task setup_user: :environment do
    if Rails.env.development?
      if (ARGV.size == 2) && (ENV['qtd'] != "")
        ENV['qtd'].to_i.times do |i|
          user_name = Faker::Name.name
          user_email = Faker::Internet.email
          user = "#{user_name} - #{user_email}"
          puts "Cadastrando #{user}"
          User.create(name: user_name, email: user_email)
        end
      else
        puts "Você precisa informar a quantidade desejada!"
        puts "Exemplo: rake utils:setup_user qtd=10"
      end
    else
      puts "Você não está em modo de desenvolvimento!"
    end
  end
end
```

rake utils:setup\_user

```
C:\Sites\ror-curso>rake utils:setup_user
Você precisa informar a quantidade desejada!
Exemplo: rake utils:setup_user qtd=10
```

rake utils:setup\_user 5

```
C:\Sites\ror-curso>rake utils:setup_user qtd=5
Cadastrando Thiago de Oliveira - sterling.ortiz@corkerydenesik.io
Cadastrando Fabrício Nascimento - sharon.homenick@balistreri.info
Cadastrando Isabel Barreto - bobby_dibbert@jacobs.biz
Cadastrando Bento Teixeira - iraida_tremblay@king.name
Cadastrando Yuri Moreno - marquitta.thiel@hansen.name
```

## Aula 24 - Associações

### belongs\_to

Pertence a...



### has many

Possui muitos...

rails g model Father name:string

```
C:\Sites\ror-curso>rails g model Father name:string
  invoke  active_record
  create  db/migrate/20191019192329_create_fathers.rb
  create  app/models/father.rb
  invoke  test_unit
  create  test/models/father_test.rb
  create  test/fixtures/fathers.yml
```

rails g model Child name:string father:references

```
C:\Sites\ror-curso>rails g model Child name:string father:references
  invoke  active_record
  create  db/migrate/20191019193145_create_children.rb
  create  app/models/child.rb
  invoke  test_unit
  create  test/models/child_test.rb
  create  test/fixtures/children.yml
```

### db/migrate/20191019192329\_create\_fathers.rb

```
class CreateFathers < ActiveRecord::Migration[5.2]
  def change
    create_table :fathers do |t|
      t.string :name

      t.timestamps
    end
  end
end
```

### db/migrate/20191019193145\_create\_children.rb

```
class CreateChildren < ActiveRecord::Migration[5.2]
  def change
    create_table :children do |t|
      t.string :name
      t.references :father, foreign_key: true

      t.timestamps
    end
  end
end
```

### app/models/child.rb

```
class Child < ApplicationRecord
  belongs_to :father
end
```

### app/models/father.rb

```
class Father < ApplicationRecord
  has_many :children
end
```



rake db:create db:migrate

```
C:\Sites\ror-curso>rake db:create db:migrate
Database 'ror-curso_development' already exists
Database 'ror-curso_test' already exists
== 20191019192329 CreateFathers: migrating =====
-- create_table(:fathers)
   -> 0.4200s
== 20191019192329 CreateFathers: migrated (0.4214s) =====
--
== 20191019193145 CreateChildren: migrating =====
-- create_table(:children)
   -> 0.3516s
== 20191019193145 CreateChildren: migrated (0.3539s) =====
```

rails c

pai = Father.create(name: "Jackson")

```
C:\Sites\ror-curso>rails c
Loading development environment (Rails 5.2.3)
irb(main):001:0> pai = Father.create(name: "Jackson")
(0.5ms) 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
(0.4ms) BEGIN
Father Create (0.7ms) INSERT INTO `fathers` (`name`, `created_at`, `updated_at`) VALUES ('Jackson', '2019-10-19 19:49:53', '2019-10-19 19:49:53')
(59.6ms) COMMIT
=> #<Father id: 1, name: "Jackson", created_at: "2019-10-19 19:49:53", updated_at: "2019-10-19 19:49:53">
irb(main):002:0>
```

filho = Child.create(name: "Bruno")

```
irb(main):003:0> filho = Child.create(name: "Bruno")
(0.3ms) BEGIN
(0.3ms) ROLLBACK
=> #<Child id: nil, name: "Bruno", father_id: nil, created_at: nil, updated_at: nil>
```

## Fazendo a associação

filho.father = pai

```
irb(main):004:0> filho.father = pai
=> #<Father id: 1, name: "Jackson", created_at: "2019-10-19 19:49:53", updated_at: "2019-10-19 19:49:53">
```

filho.save!

```
irb(main):006:0> filho.save!
(0.7ms) BEGIN
Child Create (71.2ms) INSERT INTO `children` (`name`, `father_id`, `created_at`, `updated_at`) VALUES ('Bruno', 1, '2019-10-19 20:45:16', '2019-10-19 20:45:16')
(73.1ms) COMMIT
=> true
```

pai  
filho

```
irb(main):007:0> pai
=> #<Father id: 1, name: "Jackson", created_at: "2019-10-19 19:49:53", updated_at: "2019-10-19 19:49:53">
irb(main):008:0> filho_
=> #<Child id: 1, name: "Bruno", father_id: 1, created_at: "2019-10-19 20:45:16", updated_at: "2019-10-19 20:45:16">
```

filho.father

```
irb(main):005:0> filho.father
=> #<Father id: 1, name: "Jackson", created_at: "2019-10-19 19:49:53", updated_at: "2019-10-19 19:49:53">
```

pai.children

```
irb(main):010:0> pai.children
  Child Load (48.5ms) SELECT `children`.* FROM `children` WHERE `children`.`father_id` = 1 LIMIT 11
=> #<ActiveRecord::Associations::CollectionProxy [#<Child id: 1, name: "Bruno", father_id: 1, created_at: "2019-10-19 20:45:16", updated_at: "2019-10-19 20:45:16">]>
```

pai.children.create(name: "Joaquina")

```
irb(main):011:0> pai.children.create(name: "Joaquina")
(0.5ms) BEGIN
  Child Create (0.8ms) INSERT INTO `children` (`name`, `father_id`, `created_at`, `updated_at`) VALUES ('Joaquina', 1, '2019-10-19 20:58:28', '2019-10-19 20:58:28')
(94.9ms) COMMIT
=> #<Child id: 2, name: "Joaquina", father_id: 1, created_at: "2019-10-19 20:58:28", updated_at: "2019-10-19 20:58:28">
```

pai.children

```
irb(main):012:0> pai.children
  Child Load (0.8ms) SELECT `children`.* FROM `children` WHERE `children`.`father_id` = 1 LIMIT 11
=> #<ActiveRecord::Associations::CollectionProxy [#<Child id: 1, name: "Bruno", father_id: 1, created_at: "2019-10-19 20:45:16", updated_at: "2019-10-19 20:45:16">, #<Child id: 2, name: "Joaquina", father_id: 1, created_at: "2019-10-19 20:58:28", updated_at: "2019-10-19 20:58:28">]>
```

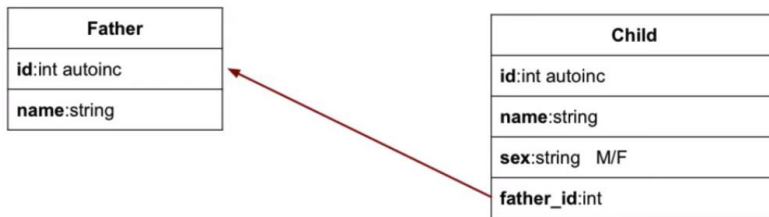
j = Child.last

```
irb(main):013:0> j = Child.last
  Child Load (1.1ms) SELECT `children`.* FROM `children` ORDER BY `children`.`id` DESC LIMIT 1
=> #<Child id: 2, name: "Joaquina", father_id: 1, created_at: "2019-10-19 20:58:28", updated_at: "2019-10-19 20:58:28">
```

j.father

```
irb(main):014:0> j.father
  Father Load (73.8ms) SELECT `fathers`.* FROM `fathers` WHERE `fathers`.`id` = 1 LIMIT 1
=> #<Father id: 1, name: "Jackson", created_at: "2019-10-19 19:49:53", updated_at: "2019-10-19 19:49:53">
```

## Aula 25 - Associações na View - Parte 1



rake db:drop

```
C:\Sites\ror-curso>rake db:drop
Dropped database 'ror-curso_development'
Dropped database 'ror-curso_test'
```

rake db:create

```
C:\Sites\ror-curso>rake db:create
Created database 'ror-curso_development'
Created database 'ror-curso_test'
```

- Apague os arquivos criados na aula anterior: models (father.rb, child.rb), migrations, etc.
- Crie os seguintes scaffolds:

rails g scaffold Father name:string

```
C:\Sites\ror-curso>rails g scaffold Father name:string
invoke  active_record
create  db/migrate/20191019215813_create_fathers.rb
create  app/models/father.rb
invoke  test_unit
create  test/models/father_test.rb
create  test/fixtures/fathers.yml
invoke  resource_route
route   resources :fathers
invoke  scaffold_controller
create  app/controllers/fathers_controller.rb
invoke  erb
create  app/views/fathers
create  app/views/fathers/index.html.erb
create  app/views/fathers/edit.html.erb
create  app/views/fathers/show.html.erb
create  app/views/fathers/new.html.erb
create  app/views/fathers/_form.html.erb
invoke  test_unit
create  test/controllers/fathers_controller_test.rb
create  test/system/fathers_test.rb
invoke  helper
create  app/helpers/fathers_helper.rb
invoke  test_unit
invoke  jbuilder
create  app/views/fathers/index.json.jbuilder
create  app/views/fathers/show.json.jbuilder
create  app/views/fathers/_father.json.jbuilder
invoke  assets
invoke  coffee
create  app/assets/javascripts/fathers.coffee
invoke  scss
create  app/assets/stylesheets/fathers.scss
invoke  scss
identical app/assets/stylesheets/scaffolds.scss
```

rails g scaffold Child name:string sex:string father:references

```
C:\Sites\ror-curso>rails g scaffold Child name:string sex:string father:references
  invoke  active_record
  create  db/migrate/20191019220017_create_children.rb
  create  app/models/child.rb
  invoke  test_unit
  create  test/models/child_test.rb
  create  test/fixtures/children.yml
  invoke  resource_route
   route  resources :children
  invoke  scaffold_controller
  create  app/controllers/children_controller.rb
  invoke  erb
  create  app/views/children
  create  app/views/children/index.html.erb
  create  app/views/children/edit.html.erb
  create  app/views/children/show.html.erb
  create  app/views/children/new.html.erb
  create  app/views/children/_form.html.erb
  invoke  test_unit
  create  test/controllers/children_controller_test.rb
  create  test/system/children_test.rb
  invoke  helper
  create  app/helpers/children_helper.rb
  invoke  test_unit
  invoke  jbuilder
  create  app/views/children/index.json.jbuilder
  create  app/views/children/show.json.jbuilder
  create  app/views/children/_child.json.jbuilder
  invoke  assets
  invoke  coffee
  create  app/assets/javascripts/children.coffee
  invoke  scss
  create  app/assets/stylesheets/children.scss
  invoke  scss
  identical  app/assets/stylesheets/scaffolds.scss
```

rake db:create db:migrate

```
C:\Sites\ror-curso>rake db:create db:migrate
Database 'ror-curso_development' already exists
Database 'ror-curso_test' already exists
== 20191019131437 CreateUsers: migrating =====
-- create_table(:users)
--> 0.2125s
== 20191019131437 CreateUsers: migrated (0.2137s) =====

== 20191019215813 CreateFathers: migrating =====
-- create_table(:fathers)
--> 0.3394s
== 20191019215813 CreateFathers: migrated (0.3405s) =====

== 20191019220017 CreateChildren: migrating =====
-- create_table(:children)
--> 0.3048s
== 20191019220017 CreateChildren: migrated (0.3081s) =====
```

app/models/child.rb

```
class Child < ApplicationRecord
  belongs_to :father
end
```

## app/models/father.rb

```
class Father < ApplicationRecord
  has_many :children
end
```

## app/views/children/\_form.html.erb

```
<%= form_with(model: child, local: true) do |form| %>
  <% if child.errors.any? %>
    <div id="error_explanation">
      <h2><%= pluralize(child.errors.count, "error") %> prohibited this child from being saved:</h2>

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

  <div class="field">
    <%= form.label :name %>
    <%= form.text_field :name %>
  </div>

  <div class="field">
    <%= form.label :sex %>
    <%= form.select(:sex,
      options_for_select([["Masculino", "M"], ["Feminino", "F"]], child.sex),
      { include_blank: "Selecione" })
    %>
  </div>

  <div class="field">
    <%= form.label :father_id %>
    <%= form.collection_select(:father_id,
      Father.all,
      :id, :name,
      { include_blank: "Selecione" })
    %>
  </div>

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

## app/views/children/show.html.erb

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

<p>
  <strong>Name:</strong>
  <%= @child.name %>
</p>

<p>
  <strong>Sex:</strong>
  <%= @child.sex %>
</p>

<p>
  <strong>Father:</strong>
  <%= @child.father.name %>
</p>

<%= link_to 'Edit', edit_child_path(@child) %> |
<%= link_to 'Back', children_path %>
```

## app/views/children/index.html.erb

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

<h1>Children</h1>

<table>
  <thead>
    <tr>
      <th>Name</th>
      <th>Sex</th>
      <th>Father</th>
      <th colspan="3"></th>
    </tr>
  </thead>

  <tbody>
    <% @children.each do |child| %>
      <tr>
        <td><%= child.name %></td>
        <td><%= child.sex %></td>
        <td><%= child.father.name %></td>
        <td><%= link_to 'Show', child %></td>
        <td><%= link_to 'Edit', edit_child_path(child) %></td>
        <td><%= link_to 'Destroy', child, method: :delete, data: { confirm: 'Are you sure?' } %></td>
      </tr>
    <% end %>
  </tbody>
</table>





<br>


<%= link_to 'New Child', new_child_path %>
```

RorCurso

X

+

 localhost:3000/fathers





# Fathers


Name			
Jackson Pires	<a href="#">Show</a>	<a href="#">Edit</a>	<a href="#">Destroy</a>
José Ateneu	<a href="#">Show</a>	<a href="#">Edit</a>	<a href="#">Destroy</a>
<a href="#">New Father</a>			

RorCurso

X

+

 localhost:3000/children

# Children

Name	Sex	Father			
Jailson	M	Jackson Pires	<a href="#">Show</a>	<a href="#">Edit</a>	<a href="#">Destroy</a>
Josefa	F	José Ateneu	<a href="#">Show</a>	<a href="#">Edit</a>	<a href="#">Destroy</a>
<a href="#">New Child</a>					



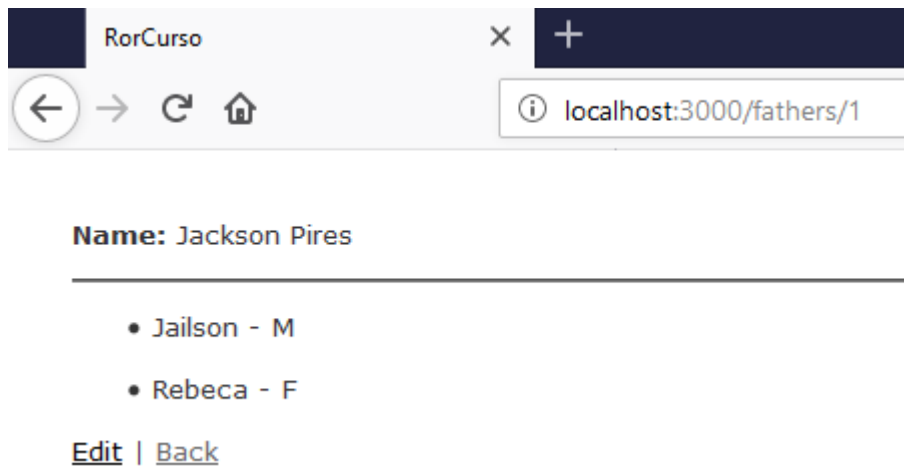
## Aula 26 - Associações na View - Parte 2 e criando helpers

app/views/fathers/show.html.erb

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

<p>
  <strong>Name:</strong>
  <%= @father.name %>
  <hr>
  <% @father.children.each do |child| %>
    <ul>
      <li>
        <%= "#{child.name} - #{child.sex}" %>
      </li>
    </ul>
  <% end %>
</p>

<%= link_to 'Edit', edit_father_path(@father) %> |
<%= link_to 'Back', fathers_path %>
```



## Helpers

### app/views/fathers/show.html.erb

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

<p>
  <strong>Name:</strong>
  <%= @father.name %>
  <hr>
  <% @father.children.each do |child| %>
    <ul>
      <li>
        <%= "#{child.name} - #{pegar_sexo(child.sex)}" %>
      </li>
    </ul>
  <% end %>
</p>

<%= link_to 'Edit', edit_father_path(@father) %> |
<%= link_to 'Back', fathers_path %>
```

### app/helpers/application\_helper.rb

```
module ApplicationHelper
  def pegar_sexo(sex)
    html = ""
    if (sex == 'M')
      html = "Masculino"
    elsif (sex == 'F')
      html = "Feminino"
    end
    html
  end
end
```

## app/controllers/children\_controller.rb

```
class ChildrenController < ApplicationController
  before_action :set_child, only: [:show, :edit, :update, :destroy]
  before_action :set_father, only: [:new, :edit, :update]

  # GET /children
  # GET /children.json
  def index
    @children = Child.all
  end

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

  # GET /children/new
  def new
    @child = Child.new
  end

  # GET /children/1/edit
  def edit
  end

  # POST /children
  # POST /children.json
  def create
    @child = Child.new(child_params)

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

  # PATCH/PUT /children/1
  # PATCH/PUT /children/1.json
  def update
    respond_to do |format|
      if @child.update(child_params)
        format.html { redirect_to @child, notice: 'Child was successfully updated.' }
        format.json { render :show, status: :ok, location: @child }
      else
    end
  end
end
```

```
    format.html { render :edit }
    format.json { render json: @child.errors, status: :unprocessable_entity }
  end
end
end

# DELETE /children/1
# DELETE /children/1.json
def destroy
  @child.destroy
  respond_to do |format|
    format.html { redirect_to children_url, notice: 'Child was successfully destroyed.' }
    format.json { head :no_content }
  end
end

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

def set_father
  @fathers = Father.all
end

# Never trust parameters from the scary internet, only allow the white list through.
def child_params
  params.require(:child).permit(:name, :sex, :father_id)
end
end
```

## app/views/children/\_form.html.erb

```
<%= form_with(model: child, local: true) do |form| %>
  <% if child.errors.any? %>
    <div id="error_explanation">
      <h2><%= pluralize(child.errors.count, "error") %> prohibited this child from being saved:</h2>

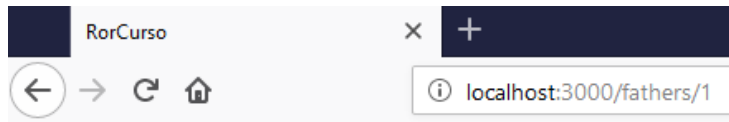
      <ul>
        <% child.errors.full_messages.each do |message| %>
          <li><%= message %></li>
        <% end %>
      </ul>
    </div>
  <% end %>

  <div class="field">
    <%= form.label :name %>
    <%= form.text_field :name %>
  </div>

  <div class="field">
    <%= form.label :sex %>
    <%= form.select(:sex,
      options_for_select([["Masculino", "M"], ["Feminino", "F"]], child.sex),
      { include_blank: "Selecione" })
    %>
  </div>

  <div class="field">
    <%= form.label :father_id %>
    <%= form.collection_select(:father_id,
      @fathers,
      :id, :name,
      { include_blank: "Selecione" })
    %>
  </div>

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



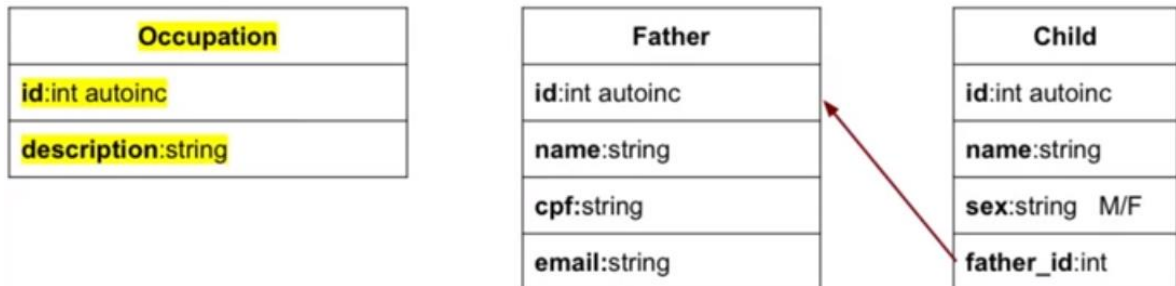
**Name:** Jackson Pires

---

- Jailson - Masculino
- Rebeca - Feminino

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

## Aula 27 - Adicionando novos campos após o scaffold

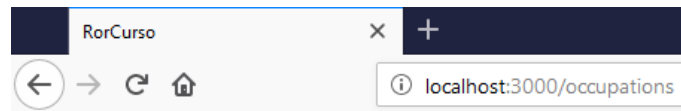


rails g scaffold Occupation description:string

```
C:\Sites\ror-curso>rails g scaffold Occupation description:string
  invoke  active_record
  create  db/migrate/20191020011934_create_occupations.rb
  create  app/models/occupation.rb
  invoke  test_unit
  create  test/models/occupation_test.rb
  create  test/fixtures/occupations.yml
  invoke  resource_route
   route  resources :occupations
  invoke  scaffold_controller
  create  app/controllers/occupations_controller.rb
  invoke  erb
  create  app/views/occupations
  create  app/views/occupations/index.html.erb
  create  app/views/occupations/edit.html.erb
  create  app/views/occupations/show.html.erb
  create  app/views/occupations/new.html.erb
  create  app/views/occupations/_form.html.erb
  invoke  test_unit
  create  test/controllers/occupations_controller_test.rb
  create  test/system/occupations_test.rb
  invoke  helper
  create  app/helpers/occupations_helper.rb
  invoke  test_unit
  invoke  jbuilder
  create  app/views/occupations/index.json.jbuilder
  create  app/views/occupations/show.json.jbuilder
  create  app/views/occupations/_occupation.json.jbuilder
  invoke  assets
  invoke  coffee
  create  app/assets/javascripts/occupations.coffee
  invoke  scss
  create  app/assets/stylesheets/occupations.scss
  invoke  scss
  identical app/assets/stylesheets/scaffolds.scss
```

rake db:migrate

```
C:\Sites\ror-curso>rake db:migrate
== 20191020011934 CreateOccupations: migrating =====
-- create_table(:occupations)
   -> 0.4945s
== 20191020011934 CreateOccupations: migrated (0.4959s) =====
```



## Occupations

### Description

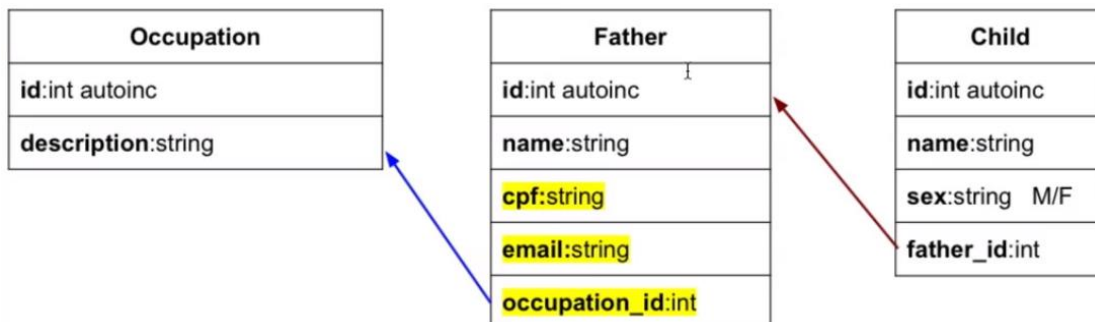
Pedreiro [Show](#) [Edit](#) [Destroy](#)

Programador [Show](#) [Edit](#) [Destroy](#)

Médico [Show](#) [Edit](#) [Destroy](#)

[New Occupation](#)

## Associações na View



## Adicionando campos na tabela fathers

rails g migration AddFieldsToFather cpf:string email:string occupation:references

```
C:\Sites\ror-curso>rails g migration AddFieldsToFather cpf:string email:string occupation:references
  invoke  active_record
  create  db/migrate/20191020043229_add_fields_to_father.rb
```



C:\Sites\ror-curso\db\migrate\20191020043229\_add\_fields\_to\_father.rb

```
class AddFieldsToFather < ActiveRecord::Migration[5.2]
  def change
    add_column :fathers, :cpf, :string
    add_column :fathers, :email, :string
    add_reference :fathers, :occupation, foreign_key: true
  end
end
```

rake db:migrate

```
C:\Sites\ror-curso>rake db:migrate
== 20191020043229 AddFieldsToFather: migrating =====
-- add_column(:fathers, :cpf, :string)
   -> 0.5124s
-- add_column(:fathers, :email, :string)
   -> 0.5695s
-- add_reference(:fathers, :occupation, {:foreign_key=>true})
   -> 1.6820s
== 20191020043229 AddFieldsToFather: migrated (2.7669s) =====
```

## app/controllers/fathers\_controller.rb

```
class FathersController < ApplicationController
  before_action :set_father, only: [:show, :edit, :update, :destroy]
  before_action :set_occupation, only: [:new, :create, :edit, :update]

  # GET /fathers
  # GET /fathers.json
  def index
    @fathers = Father.all
  end

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

  # GET /fathers/new
  def new
    @father = Father.new
  end

  # GET /fathers/1/edit
  def edit
  end

  # POST /fathers
  # POST /fathers.json
  def create
    @father = Father.new(father_params)

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

  # PATCH/PUT /fathers/1
  # PATCH/PUT /fathers/1.json
  def update
    respond_to do |format|
      if @father.update(father_params)
        format.html { redirect_to @father, notice: 'Father was successfully updated.' }
        format.json { render :show, status: :ok, location: @father }
      else
    end
```

```

    format.html { render :edit }
    format.json { render json: @father.errors, status: :unprocessable_entity }
  end
end
end

# DELETE /fathers/1
# DELETE /fathers/1.json
def destroy
  @father.destroy
  respond_to do |format|
    format.html { redirect_to fathers_url, notice: 'Father was successfully destroyed.' }
    format.json { head :no_content }
  end
end

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

def set_occupation
  @occupations = Occupation.all
end

# Never trust parameters from the scary internet, only allow the white list through.
def father_params
  params.require(:father).permit(:name, :cpf, :email, :occupation_id)
end
end

```

## app/models/father.rb

```

class Father < ApplicationRecord
  has_many :children
  belongs_to :occupation
end

```

## app/views/fathers/index.html.erb

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

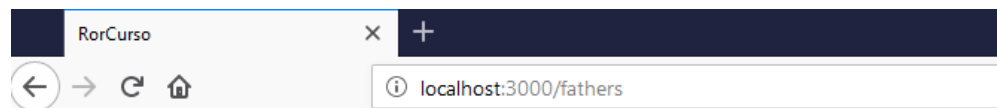
<h1>Fathers</h1>

<table>
  <thead>
    <tr>
      <th>Name</th>
      <th>CPF</th>
      <th>Email</th>
      <th>Occupation</th>
      <th colspan="3"></th>
    </tr>
  </thead>

  <tbody>
    <% @fathers.each do |father| %>
      <tr>
        <td><%= father.name %></td>
        <td><%= father.cpf %></td>
        <td><%= father.email %></td>
        <td><%= father.occupation.description %></td>
        <td><%= link_to 'Show', father %></td>
        <td><%= link_to 'Edit', edit_father_path(father) %></td>
        <td><%= link_to 'Destroy', father, method: :delete, data: { confirm: 'Are you sure?' } %></td>
      </tr>
    <% end %>
  </tbody>
</table>

<br>

<%= link_to 'New Father', new_father_path %>
```



## Fathers

Name	CPF	Email	Occupation	
Jackson Pires	552.204.650-31	jackson_pires@gmail.com	Programador	<a href="#">Show</a> <a href="#">Edit</a> <a href="#">Destroy</a>
José Ateneu	866.850.990-03	jose_ateneu@gmail.com	Médico	<a href="#">Show</a> <a href="#">Edit</a> <a href="#">Destroy</a>

[New Father](#)

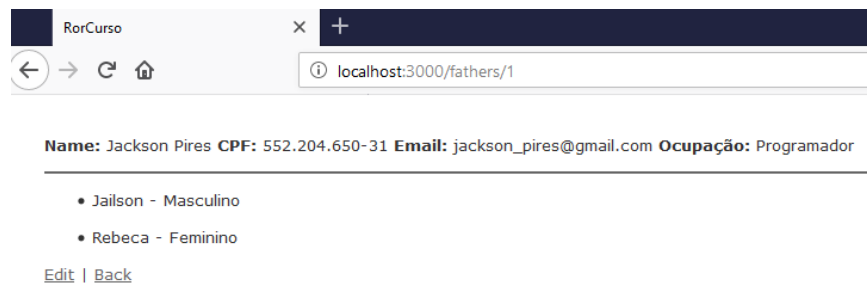
## app/views/fathers/show.html.erb

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

<p>
  <strong>Name:</strong>
  <%= @father.name %>
  <strong>CPF:</strong>
  <%= @father.cpf %>
  <strong>Email:</strong>
  <%= @father.email %>
  <strong>Ocupação:</strong>
  <%= @father.occupation.description %>
  <hr>
</p>

<% @father.children.each do |child| %>
  <ul>
    <li>
      <%= "#{child.name} - #{pegar_sexo(child.sex)}" %>
    </li>
  </ul>
<% end %>

<%= link_to 'Edit', edit_father_path(@father) %> |
<%= link_to 'Back', fathers_path %>
```



## app/views/fathers/\_form.html.erb

```
<%= form_with(model: father, local: true) do |form| %>
  <% if father.errors.any? %>
    <div id="error_explanation">
      <h2><%= pluralize(father.errors.count, "error") %> prohibited this father from being saved:</h2>

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

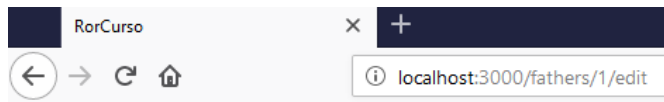
  <div class="field">
    <%= form.label :name %>
    <%= form.text_field :name %>
  </div>

  <div class="field">
    <%= form.label :cpf %>
    <%= form.text_field :cpf %>
  </div>

  <div class="field">
    <%= form.label :email %>
    <%= form.text_field :email %>
  </div>

  <div class="field">
    <%= form.label :occupation_id %>
    <%= form.collection_select(:occupation_id,
                              @occupations,
                              :id, :description,
                              { include_blank: "Selecione" })
    %>
  </div>

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



## Editing Father

Name

Jackson Pires

Cpf

552.204.650-31

Email

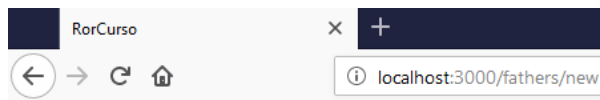
jackson\_pires@gmail.com

Occupation

Programador ▾

Update Father

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



## New Father

Name

Cpf

Email

Occupation

Selecione ▾

Create Father

[Back](#)

## Aula 28 - Validações e criando métodos no model

### Validações

**app/models/father.rb**

```
class Father < ApplicationRecord
  has_many :children
  belongs_to :occupation

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

### Internacionalização

**config/application.rb**

```
require_relative 'boot'

require 'rails/all'

Bundler.require(*Rails.groups)

module RorCurso
  class Application < Rails::Application
    config.load_defaults 5.2

    config.i18n.default_locale = "pt-BR"
  end
end
```



## config/locales/pt-BR.yml

```
pt-BR:
  activerecord:
    models:
      father: Pai
      child: Filho
    attributes:
      father:
        name: Nome
        email: Email
        cpf: CPF
        occupation_id: Profissão
        created_at: Criado em
        update_at: Atualizado em
      child:
        name: Nome
        sex: Sexo
        father_id: Pai
        created_at: Criado em
        update_at: Atualizado em
    errors:
      messages:
        record_invalid: 'A validação falhou: %{errors}'
        restrict_dependent_destroy:
          has_one: Não é possível excluir o registro pois existe um %{record} dependente
          has_many: Não é possível excluir o registro pois existem %{record} dependentes
  date:
    abbr_day_names:
      - dom
      - seg
      - ter
      - qua
      - qui
      - sex
      - sáb
    abbr_month_names:
      -
      - jan
      - fev
      - mar
      - abr
      - mai
      - jun
      - jul
      - ago
      - set
      - out
      - nov
      - dez
    day_names:
      - domingo
      - segunda-feira
      - terça-feira
      - quarta-feira
```

- quinta-feira
- sexta-feira
- sábado

formats:

- default: "%d/%m/%Y"
- long: "%d de %B de %Y"
- short: "%d de %B"

month\_names:

- 
- janeiro
- fevereiro
- março
- abril
- maio
- junho
- julho
- agosto
- setembro
- outubro
- novembro
- dezembro

order:

- :day
- :month
- :year

datetime:

distance\_in\_words:

about\_x\_hours:

- one: aproximadamente 1 hora
- other: aproximadamente %{count} horas

about\_x\_months:

- one: aproximadamente 1 mês
- other: aproximadamente %{count} meses

about\_x\_years:

- one: aproximadamente 1 ano
- other: aproximadamente %{count} anos

almost\_x\_years:

- one: quase 1 ano
- other: quase %{count} anos

half\_a\_minute: meio minuto

less\_than\_x\_seconds:

- one: menos de 1 segundo
- other: menos de %{count} segundos

less\_than\_x\_minutes:

- one: menos de um minuto
- other: menos de %{count} minutos

over\_x\_years:

- one: mais de 1 ano
- other: mais de %{count} anos

x\_seconds:

- one: 1 segundo
- other: "%{count} segundos"

x\_minutes:

- one: 1 minuto
- other: "%{count} minutos"

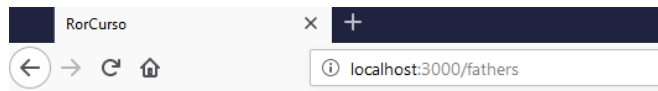
x\_days:

- one: 1 dia

```
    other: "%{count} dias"
x_months:
  one: 1 mês
  other: "%{count} meses"
x_years:
  one: 1 ano
  other: "%{count} anos"
prompts:
  second: Segundo
  minute: Minuto
  hour: Hora
  day: Dia
  month: Mês
  year: Ano
errors:
  format: "%{attribute} %{message}"
  messages:
    accepted: deve ser aceito
    blank: não pode ficar em branco
    confirmation: não é igual a %{attribute}
    empty: não pode ficar vazio
    equal_to: deve ser igual a %{count}
    even: deve ser par
    exclusion: não está disponível
    greater_than: deve ser maior que %{count}
    greater_than_or_equal_to: deve ser maior ou igual a %{count}
    inclusion: não está incluído na lista
    invalid: não é válido
    less_than: deve ser menor que %{count}
    less_than_or_equal_to: deve ser menor ou igual a %{count}
    model_invalid: 'A validação falhou: %{errors}'
    not_a_number: não é um número
    not_an_integer: não é um número inteiro
    odd: deve ser ímpar
    other_than: deve ser diferente de %{count}
    present: deve ficar em branco
    required: é obrigatório(a)
    taken: já está em uso
    too_long:
      one: 'é muito longo (máximo: 1 caracter)'
      other: 'é muito longo (máximo: %{count} caracteres)'
    too_short:
      one: 'é muito curto (mínimo: 1 caracter)'
      other: 'é muito curto (mínimo: %{count} caracteres)'
    wrong_length:
      one: não possui o tamanho esperado (1 caracter)
      other: não possui o tamanho esperado (%{count} caracteres)
  template:
    body: 'Por favor, verifique o(s) seguinte(s) campo(s):'
    header:
      one: 'Não foi possível gravar %{model}: 1 erro'
      other: 'Não foi possível gravar %{model}: %{count} erros'
  helpers:
    select:
      prompt: Por favor selecione
    submit:
      create: Criar %{model}
```

```
submit: Salvar %{model}
update: Atualizar %{model}
number:
currency:
format:
  delimiter: "."
  format: "%u %n"
  precision: 2
  separator: ","
  significant: false
  strip_insignificant_zeros: false
  unit: R$
format:
  delimiter: "."
  precision: 3
  separator: ","
  significant: false
  strip_insignificant_zeros: false
human:
decimal_units:
  format: "%n %u"
units:
  billion:
    one: bilhão
    other: bilhões
  million:
    one: milhão
    other: milhões
  quadrillion:
    one: quatrilhão
    other: quatrilhões
  thousand: mil
  trillion:
    one: trilhão
    other: trilhões
  unit: "
format:
  delimiter: "
  precision: 3
  significant: true
  strip_insignificant_zeros: true
storage_units:
  format: "%n %u"
units:
  byte:
    one: Byte
    other: Bytes
  eb: EB
  gb: GB
  kb: KB
  mb: MB
  pb: PB
  tb: TB
percentage:
format:
  delimiter: "."
  format: "%n%"
```

precision:  
format:  
  delimiter: "."  
support:  
array:  
  last\_word\_connector: " e "  
  two\_words\_connector: " e "  
  words\_connector: ", "  
time:  
am: "  
formats:  
  default: "%a, %d de %B de %Y, %H:%M:%S %z"  
  long: "%d de %B de %Y, %H:%M"  
  short: "%d de %B, %H:%M"  
pm: "



## New Father

3 error prohibited this father from being saved:

- Occupation é obrigatório(a)
- Nome não pode ficar em branco
- Email não pode ficar em branco

Nome

CPF

Email

Profissão

[Back](#)

## Criando métodos no model

**app/views/fathers/index.html.erb**

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

<h1>Fathers</h1>

<table>
  <thead>
    <tr>
      <th>Name</th>
      <th>CPF</th>
      <th>Email</th>
      <th>Occupation</th>
      <th colspan="3"></th>
    </tr>
  </thead>

  <tbody>
    <% @fathers.each do |father| %>
      <tr>
        <td><%= father.name %></td>
        <td><%= father.cpf %></td>
        <td><%= father.email %></td>
        <td><%= father.occupation_description %></td>
        <td><%= link_to 'Show', father %></td>
        <td><%= link_to 'Edit', edit_father_path(father) %></td>
        <td><%= link_to 'Destroy', father, method: :delete, data: { confirm: 'Are you sure?' } %></td>
      </tr>
    <% end %>
  </tbody>
</table>

<br>

<%= link_to 'New Father', new_father_path %>
```

## app/views/fathers/show.html.erb

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

<p>
  <strong>Name:</strong>
  <%= @father.name %>
  <strong>CPF:</strong>
  <%= @father.cpf %>
  <strong>Email:</strong>
  <%= @father.email %>
  <hr>
  <strong>Ocupação:</strong>
  <%= @father.occupation_description %>
  <hr>
</p>

<% @father.children.each do |child| %>
  <ul>
    <li>
      <%= "#{child.name} - #{pegar_sexo(child.sex)}" %>
    </li>
  </ul>
<% end %>

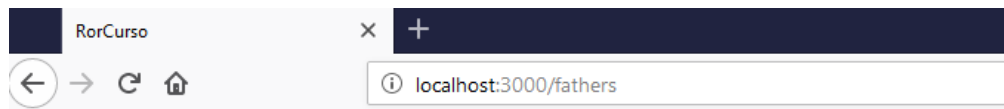
<%= link_to 'Edit', edit_father_path(@father) %> |
<%= link_to 'Back', fathers_path %>
```

## app/models/father.rb

```
class Father < ApplicationRecord
  has_many :children
  belongs_to :occupation

  validates :name, presence: true
  validates :email, presence: true, uniqueness: true

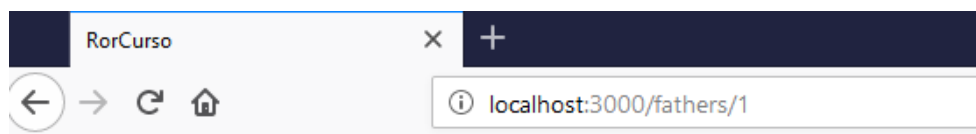
  def occupation_description
    if self.occupation.blank?
      "_ "
    else
      self.occupation.description
    end
  end
end
```



## Fathers

Name	CPF	Email	Occupation	
Jackson Pires	552.204.650-31	jackson_pires@gmail.com	Programador	<a href="#">Show</a> <a href="#">Edit</a> <a href="#">Destroy</a>
José Ateneu	866.850.990-03	jose_ateneu@gmail.com	Médico	<a href="#">Show</a> <a href="#">Edit</a> <a href="#">Destroy</a>
João Pereira	136.397.600-18	joao_pereira@gmail.com	Pedreiro	<a href="#">Show</a> <a href="#">Edit</a> <a href="#">Destroy</a>

[New Father](#)



**Name:** Jackson Pires **CPF:** 552.204.650-31 **Email:** jackson\_pires@gmail.com

**Ocupação:** Programador

- Jailson - Masculino
- Rebeca - Feminino

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



## Aula 29 - Upload de imagens / arquivos

### gem Paperclip

<https://github.com/thoughtbot/paperclip>

Pré-requisito: **ImageMagick**

<ftp://ftp.nluug.nl/pub/ImageMagick>

Obs.: O PaperClip está depreciado.

### Gemfile

```
source 'https://rubygems.org'
git_source(:github) { |repo| "https://github.com/#{repo}.git" }

ruby '2.5.1'

#Paperclip
gem "paperclip", "~> 6.0.0"
# Faker
gem 'faker'
# Bundle edge Rails instead: gem 'rails', github: 'rails/rails'
gem 'rails', '~> 5.2.3'
# Use mysql as the database for Active Record
gem 'mysql2', '>= 0.4.4', '< 0.6.0'
# Use Puma as the app server
gem 'puma', '~> 3.11'
# 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 'duktape'
# 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 ActiveSupport variant
# gem 'mini_magick', '~> 4.8'

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

# Reduces boot times through caching; required in config/boot.rb
gem 'bootsnap', '>= 1.1.0', require: false

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]
end

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

group :test do
  # Adds support for Capybara system testing and selenium driver
  gem 'capybara', '>= 2.15'
  gem 'selenium-webdriver'
  # Easy installation and use of chromedriver to run system tests with Chrome
  gem 'chromedriver-helper'
end

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

bundle install

rails generate paperclip father avatar

```
C:\Sites\ror-curso>rails generate paperclip father avatar
create  db/migrate/20191021114744 add_attachment_avatar_to_fathers.rb
```



## db/migrate/20191021112858\_add\_avatar\_to\_fathers.rb

```
class AddAttachmentAvatarToFathers < ActiveRecord::Migration[5.2]
  def self.up
    change_table :fathers do |t|
      t.attachment :avatar
    end
  end

  def self.down
    remove_attachment :fathers, :avatar
  end
end
```

rake db:migrate

```
C:\Sites\ror-curso>rake db:migrate
== 20191021114744 AddAttachmentAvatarToFathers: migrating =====
-- change_table(:fathers)
   -> 3.4586s
== 20191021114744 AddAttachmentAvatarToFathers: migrated (3.4606s) =====
```

Colunas:  Adicionar  Remover  Mover para cima  Mover para baixo

#	Nome	Tipo de dados	Tamanho/Lte...	Unsign...	Permitir NULL	Zerofill	Padrão
 1	id	BIGINT	20	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	AUTO_INCREMENT
2	name	VARCHAR	255	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NULL
3	created_at	DATETIME		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Nenhum padrão
4	updated_at	DATETIME		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Nenhum padrão
5	cpf	VARCHAR	255	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NULL
6	email	VARCHAR	255	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NULL
 7	occupation_id	BIGINT	20	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NULL
8	avatar_file_name	VARCHAR	255	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NULL
9	avatar_content_type	VARCHAR	255	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NULL
10	avatar_file_size	INT	11	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NULL
11	avatar_updated_at	DATETIME		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NULL

## app/models/father.rb

```
class Father < ApplicationRecord
  has_many :children
  belongs_to :occupation

  validates :name, presence: true
  validates :email, presence: true, uniqueness: true

  has_attached_file :avatar, styles: { medium: "300x300>", thumb: "100x100>" }
  validates_attachment_content_type :avatar, content_type: /\Aimage\/.*\z/

  def occupation_description
    if self.occupation.blank?
      "_ "
    else
      self.occupation.description
    end
  end
end
```

## app/views/father/\_form.html.erb

```
<%= form_for @father, html: { multipart: true } do |form| %>
  <% if father.errors.any? %>
    <div id="error_explanation">
      <h2><%= pluralize(father.errors.count, "error") %> prohibited this father from being saved:</h2>

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

  <div class="field">
    <%= form.label :avatar %>
    <%= form.file_field :avatar %>
  </div>

  <div class="field">
    <%= form.label :name %>
    <%= form.text_field :name %>
  </div>

  <div class="field">
    <%= form.label :cpf %>
    <%= form.text_field :cpf %>
  </div>

  <div class="field">
    <%= form.label :email %>
    <%= form.text_field :email %>
  </div>

  <div class="field">
    <%= form.label :occupation_id %>
    <%= form.collection_select(:occupation_id,
                              @occupations,
                              :id, :description,
                              { include_blank: "Selecione" })
    %>
  </div>

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

app/views/father/show.html.erb

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

<p>
  <strong>Name:</strong>
  <%= @father.name %>
  <strong>CPF:</strong>
  <%= @father.cpf %>
  <strong>Email:</strong>
  <%= @father.email %>
  <hr>
  <strong>Ocupação:</strong>
  <%= @father.occupation_description %>
  <hr>
  <strong>Avatar:</strong>
  <%= image_tag @father.avatar.url(:medium) %>
  <hr>
</p>

<h3>Filhos:</h3>

<% @father.children.each do |child| %>
  <ul>
    <li>
      <%= "#{child.name} - #{pegar_sexo(child.sex)}" %>
    </li>
  </ul>
<% end %>

<%= link_to 'Edit', edit_father_path(@father) %> |
<%= link_to 'Back', fathers_path %>
```

app/controllers/fathers\_controller.rb

```
class FathersController < ApplicationController
  before_action :set_father, only: [:show, :edit, :update, :destroy]
  before_action :set_occupation, only: [:new, :create, :edit, :update]

  # GET /fathers
  # GET /fathers.json
  def index
    @fathers = Father.all
  end

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

  # GET /fathers/new
  def new
    @father = Father.new
  end

  # GET /fathers/1/edit
  def edit
  end

  # POST /fathers
  # POST /fathers.json
  def create
    @father = Father.new(father_params)

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

  # PATCH/PUT /fathers/1
  # PATCH/PUT /fathers/1.json
  def update
    respond_to do |format|
      if @father.update(father_params)
        format.html { redirect_to @father, notice: 'Father was successfully updated.' }
        format.json { render :show, status: :ok, location: @father }
      else
    end
  end
end
```

```

    format.html { render :edit }
    format.json { render json: @father.errors, status: :unprocessable_entity }
  end
end
end

# DELETE /fathers/1
# DELETE /fathers/1.json
def destroy
  @father.destroy
  respond_to do |format|
    format.html { redirect_to fathers_url, notice: 'Father was successfully destroyed.' }
    format.json { head :no_content }
  end
end

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

def set_occupation
  @occupations = Occupation.all
end

# Never trust parameters from the scary internet, only allow the white list through.
def father_params
  params.require(:father).permit(:name, :cpf, :email, :occupation_id, :avatar)
end
end

```



## Editing Father

Avatar  
 jackson\_pires.png

Nome

CPF

Email

Profissão

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



## Aula 30 - Fazendo o primeiro deploy no Heroku

rails g controller welcome index

```
C:\Sites\ror-curso>rails g 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
```

Gemfile

```
source 'https://rubygems.org'
git_source(:github) { |repo| "https://github.com/#{repo}.git" }

# Heroku
gem 'rails_12factor', group: :production
# Postgres
gem 'pg', group: :production
# Bootstrap
gem 'bootstrap-sass'
# Faker
gem 'faker'
# Bundle edge Rails instead: gem 'rails', github: 'rails/rails'
gem 'rails', '~> 5.2.3'
# Use mysql as the database for Active Record
gem 'mysql2', '>= 0.4.4', '< 0.6.0', group: :development
# Use Puma as the app server
gem 'puma', '~> 3.11'
# 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 'dktape'
# 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 ActiveSupport variant
# gem 'mini_magick', '~> 4.8'

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

# Reduces boot times through caching; required in config/boot.rb
gem 'bootsnap', '>= 1.1.0', require: false

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]
end

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

group :test do
  # Adds support for Capybara system testing and selenium driver
  gem 'capybara', '>= 2.15'
  gem 'selenium-webdriver'
  # Easy installation and use of chromedriver to run system tests with Chrome
  gem 'chromedriver-helper'
end

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

ruby '2.5.1'
```

**bundle install**

## Heroku Documentation

<https://devcenter.heroku.com/articles/getting-started-with-rails5>

## Gerando a chave SSH

```
ssh-keygen -t rsa -C beto10561@gmail.com
```

```
heroku keys:add
```

## Fazendo o deploy

```
heroku login
```

```
git init
```

```
git status
```

```
git add .
```

```
git status
```

```
git commit -m "Commit inicial"
```

```
heroku create app-fatherschildren
```

```
git push heroku master
```

```
heroku run rake db:migrate
```

```
heroku open
```

## Usando Bootstrap

### app/assets/stylesheets/application.scss

```
/*
 * 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
 */
@import 'bootstrap-sprockets';
@import 'bootstrap';
```

### app/assets/stylesheets/scaffold.scss

```
body {
  background-color: #fff;
  color: #333;
  margin: 33px;
  font-family: verdana, arial, helvetica, sans-serif;
  font-size: 13px;
  line-height: 18px;
}

p, ol, ul, td {
  font-family: verdana, arial, helvetica, sans-serif;
  font-size: 13px;
  line-height: 18px;
}

pre {
  background-color: #eee;
  padding: 10px;
  font-size: 11px;
}
```

```
a {
  color: #000;

  &:hover {
    color: #fff;
    background-color: #000;
  }
}

th {
  padding-bottom: 5px;
}

td {
  padding: 0 5px 7px;
}

div {
  &.field, &.actions {
    margin-bottom: 10px;
  }
}

#notice {
  color: green;
}

.field_with_errors {
  padding: 2px;
  background-color: red;
  display: table;
}

#error_explanation {
  width: 450px;
  border: 2px solid red;
  padding: 7px 7px 0;
  margin-bottom: 20px;
  background-color: #f0f0f0;

  h2 {
    text-align: left;
    font-weight: bold;
    padding: 5px 5px 5px 15px;
    font-size: 12px;
    margin: -7px -7px 0;
    background-color: #c00;
    color: #fff;
  }
}
```

```
ul li {  
  font-size: 12px;  
  list-style: square;  
}  
}  
  
label {  
  display: block;  
}
```

### **config/application.rb**

```
require_relative 'boot'  
  
require 'rails/all'  
  
Bundler.require(*Rails.groups)  
  
module RorCurso  
  class Application < Rails::Application  
    config.load_defaults 5.2  
    config.time_zone = 'Brasilia'  
    config.i18n.default_locale = "pt-BR"  
    I18n.config.available_locales = "pt-BR"  
  end  
end
```

### **config/locales/pt-BR.yml**

```
"pt-BR":  
  Father: "Pai"  
  New: "Novo"  
  activerecord:  
    models:  
      father: Pai  
      child: Filho  
      occupation: Profissão  
    attributes:  
      father:  
        name: Nome  
        email: Email  
        cpf: CPF  
        occupation: Profissão  
        occupation_id: Profissão  
        created_at: Criado em
```

update\_at: Atualizado em  
child:  
name: Nome  
sex: Sexo  
father: Pai  
father\_id: Pai  
created\_at: Criado em  
update\_at: Atualizado em  
occupation:  
description: Descrição

errors:

messages:

record\_invalid: 'A validação falhou: %{errors}'

restrict\_dependent\_destroy:

has\_one: Não é possível excluir o registro pois existe um %{record} dependente

has\_many: Não é possível excluir o registro pois existem %{record} dependentes

date:

abbr\_day\_names:

- dom
- seg
- ter
- qua
- qui
- sex
- sáb

abbr\_month\_names:

- 
- jan
- fev
- mar
- abr
- mai
- jun
- jul
- ago
- set
- out
- nov
- dez

day\_names:

- domingo
- segunda-feira
- terça-feira
- quarta-feira
- quinta-feira
- sexta-feira
- sábado

formats:

default: "%d/%m/%Y"

long: "%d de %B de %Y"

short: "%d de %B"

month\_names:

- 
- janeiro
- fevereiro
- março
- abril
- maio
- junho
- julho
- agosto
- setembro
- outubro
- novembro
- dezembro

order:

- :day
- :month
- :year

datetime:

distance\_in\_words:

about\_x\_hours:

- one: aproximadamente 1 hora
- other: aproximadamente %{count} horas

about\_x\_months:

- one: aproximadamente 1 mês
- other: aproximadamente %{count} meses

about\_x\_years:

- one: aproximadamente 1 ano
- other: aproximadamente %{count} anos

almost\_x\_years:

- one: quase 1 ano
- other: quase %{count} anos

half\_a\_minute: meio minuto

less\_than\_x\_seconds:

- one: menos de 1 segundo
- other: menos de %{count} segundos

less\_than\_x\_minutes:

- one: menos de um minuto
- other: menos de %{count} minutos

over\_x\_years:

- one: mais de 1 ano
- other: mais de %{count} anos

x\_seconds:

- one: 1 segundo
- other: "%{count} segundos"

x\_minutes:

- one: 1 minuto
- other: "%{count} minutos"

x\_days:

- one: 1 dia
- other: "%{count} dias"

x\_months:



one: 1 mês  
other: "%{count} meses"  
x\_years:  
one: 1 ano  
other: "%{count} anos"  
prompts:  
second: Segundo  
minute: Minuto  
hour: Hora  
day: Dia  
month: Mês  
year: Ano  
errors:  
format: "%{attribute} %{message}"  
messages:  
accepted: deve ser aceito  
blank: não pode ficar em branco  
confirmation: não é igual a %{attribute}  
empty: não pode ficar vazio  
equal\_to: deve ser igual a %{count}  
even: deve ser par  
exclusion: não está disponível  
greater\_than: deve ser maior que %{count}  
greater\_than\_or\_equal\_to: deve ser maior ou igual a %{count}  
inclusion: não está incluído na lista  
invalid: não é válido  
less\_than: deve ser menor que %{count}  
less\_than\_or\_equal\_to: deve ser menor ou igual a %{count}  
model\_invalid: 'A validação falhou: %{errors}'  
not\_a\_number: não é um número  
not\_an\_integer: não é um número inteiro  
odd: deve ser ímpar  
other\_than: deve ser diferente de %{count}  
present: deve ficar em branco  
required: é obrigatório(a)  
taken: já está em uso  
too\_long:  
one: 'é muito longo (máximo: 1 caracter)'  
other: 'é muito longo (máximo: %{count} caracteres)'  
too\_short:  
one: 'é muito curto (mínimo: 1 caracter)'  
other: 'é muito curto (mínimo: %{count} caracteres)'  
wrong\_length:  
one: não possui o tamanho esperado (1 caracter)  
other: não possui o tamanho esperado (%{count} caracteres)  
template:  
body: 'Por favor, verifique o(s) seguinte(s) campo(s):'  
header:  
one: 'Não foi possível gravar %{model}: 1 erro'  
other: 'Não foi possível gravar %{model}: %{count} erros'  
helpers:  
select:

prompt: Por favor selecione  
submit:  
create: Criar %{model}  
submit: Salvar %{model}  
update: Atualizar %{model}  
number:  
currency:  
format:  
delimiter: "."  
format: "%u %n"  
precision: 2  
separator: ","  
significant: false  
strip\_insignificant\_zeros: false  
unit: R\$  
format:  
delimiter: "."  
precision: 3  
separator: ","  
significant: false  
strip\_insignificant\_zeros: false  
human:  
decimal\_units:  
format: "%n %u"  
units:  
billion:  
one: bilhão  
other: bilhões  
million:  
one: milhão  
other: milhões  
quadrillion:  
one: quatrilhão  
other: quatrilhões  
thousand: mil  
trillion:  
one: trilhão  
other: trilhões  
unit: "  
format:  
delimiter: "  
precision: 3  
significant: true  
strip\_insignificant\_zeros: true  
storage\_units:  
format: "%n %u"  
units:  
byte:  
one: Byte  
other: Bytes  
eb: EB  
gb: GB

```
kb: KB
mb: MB
pb: PB
tb: TB
percentage:
  format:
    delimiter: "."
    format: "%n%"
precision:
  format:
    delimiter: "."
support:
  array:
    last_word_connector: " e "
    two_words_connector: " e "
    words_connector: ", "
time:
  am: "
  formats:
    default: "%a, %d de %B de %Y, %H:%M:%S %z"
    long: "%d de %B de %Y, %H:%M"
    short: "%d de %B, %H:%M"
  pm: "
actions:
  show: Exibir
  edit: Editar
  destroy: Excluir
  new: Novo
  back: Voltar
helpers:
  submit:
    create: "Criar %{model}"
    update: "Alterar %{model}"

confirm: Você tem certeza?
```

### **app/helpers/application\_helper.rb**

```
module ApplicationHelper
  def pegar_sexo(sex)
    html = ""
    if (sex == 'M')
      html = "Masculino"
    elsif (sex == 'F')
      html = "Feminino"
    end
    html
  end
end
```

## app/controllers/fathers\_controller.rb

```
class FathersController < ApplicationController
  before_action :set_father, only: [:show, :edit, :update, :destroy]
  before_action :set_occupation, only: [:new, :create, :edit, :update]

  # GET /fathers
  # GET /fathers.json
  def index
    @fathers = Father.all
  end

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

  # GET /fathers/new
  def new
    @father = Father.new
  end

  # GET /fathers/1/edit
  def edit
  end

  # POST /fathers
  # POST /fathers.json
  def create
    @father = Father.new(father_params)

    respond_to do |format|
      if @father.save
        format.html { redirect_to @father, notice: 'Pai criado com sucesso!' }
        format.json { render :show, status: :created, location: @father }
      else
        format.html { render :new }
        format.json { render json: @father.errors, status: :unprocessable_entity }
      end
    end
  end

  # PATCH/PUT /fathers/1
  # PATCH/PUT /fathers/1.json
  def update
    respond_to do |format|
      if @father.update(father_params)
        format.html { redirect_to @father, notice: 'Pai atualizado com sucesso!' }
        format.json { render :show, status: :ok, location: @father }
      else
    end
```

```
    format.html { render :edit }
    format.json { render json: @father.errors, status: :unprocessable_entity }
  end
end
end

# DELETE /fathers/1
# DELETE /fathers/1.json
def destroy
  @father.destroy
  respond_to do |format|
    format.html { redirect_to fathers_url, notice: 'Pai apagado com sucesso!' }
    format.json { head :no_content }
  end
end

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

def set_occupation
  @occupations = Occupation.all
end

# Never trust parameters from the scary internet, only allow the white list through.
def father_params
  params.require(:father).permit(:name, :cpf, :email, :occupation_id, :avatar)
end
end
```

## app/controllers/children\_controller.rb

```
class ChildrenController < ApplicationController
  before_action :set_child, only: [:show, :edit, :update, :destroy]
  before_action :set_father, only: [:new, :create, :edit, :update]

  # GET /children
  # GET /children.json
  def index
    @children = Child.all
  end

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

  # GET /children/new
  def new
    @child = Child.new
  end

  # GET /children/1/edit
  def edit
  end

  # POST /children
  # POST /children.json
  def create
    @child = Child.new(child_params)

    respond_to do |format|
      if @child.save
        format.html { redirect_to @child, notice: 'Filho criado com sucesso!' }
        format.json { render :show, status: :created, location: @child }
      else
        format.html { render :new }
        format.json { render json: @child.errors, status: :unprocessable_entity }
      end
    end
  end

  # PATCH/PUT /children/1
  # PATCH/PUT /children/1.json
  def update
    respond_to do |format|
      if @child.update(child_params)
        format.html { redirect_to @child, notice: 'Filho atualizado com sucesso!' }
        format.json { render :show, status: :ok, location: @child }
      else
    end
  end
end
```

```
    format.html { render :edit }
    format.json { render json: @child.errors, status: :unprocessable_entity }
  end
end
end

# DELETE /children/1
# DELETE /children/1.json
def destroy
  @child.destroy
  respond_to do |format|
    format.html { redirect_to children_url, notice: 'Filho apagado com sucesso!' }
    format.json { head :no_content }
  end
end

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

def set_father
  @fathers = Father.all
end

# Never trust parameters from the scary internet, only allow the white list through.
def child_params
  params.require(:child).permit(:name, :sex, :father_id)
end
end
```

## app/controllers/occupations\_controller.rb

```
class OccupationsController < ApplicationController
  before_action :set_occupation, only: [:show, :edit, :update, :destroy]

  # GET /occupations
  # GET /occupations.json
  def index
    @occupations = Occupation.all
  end

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

  # GET /occupations/new
  def new
    @occupation = Occupation.new
  end

  # GET /occupations/1/edit
  def edit
  end

  # POST /occupations
  # POST /occupations.json
  def create
    @occupation = Occupation.new(occupation_params)

    respond_to do |format|
      if @occupation.save
        format.html { redirect_to @occupation, notice: 'Profissão criada com sucesso!' }
        format.json { render :show, status: :created, location: @occupation }
      else
        format.html { render :new }
        format.json { render json: @occupation.errors, status: :unprocessable_entity }
      end
    end
  end

  # PATCH/PUT /occupations/1
  # PATCH/PUT /occupations/1.json
  def update
    respond_to do |format|
      if @occupation.update(occupation_params)
        format.html { redirect_to @occupation, notice: 'Profissão atualizada com sucesso!' }
        format.json { render :show, status: :ok, location: @occupation }
      else
        format.html { render :edit }
      end
    end
  end
end
```



```
    format.json { render json: @occupation.errors, status: :unprocessable_entity }
  end
end
end

# DELETE /occupations/1
# DELETE /occupations/1.json
def destroy
  @occupation.destroy
  respond_to do |format|
    format.html { redirect_to occupations_url, notice: 'Profissão apagada com sucesso!' }
    format.json { head :no_content }
  end
end

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

# Never trust parameters from the scary internet, only allow the white list through.
def occupation_params
  params.require(:occupation).permit(:description)
end
end
```

## db/seeds.rb

```
Occupation.create(description: "Pedreiro")
Occupation.create(description: "Programador")
Occupation.create(description: "Médico")

Father.create(name: "Jackson Pires", cpf: "552.204.650-31", email: "jackson_pires@gmail.com",
  occupation_id: 2)
Father.create(name: "José Ateneu", cpf: "866.850.990-03", email: "jose_ateneu@gmail.com", occupation_id:
  3)
Father.create(name: "João Pereira", cpf: "136.397.600-18", email: "joao_pereira@gmail.com", occupation_id:
  1)
Father.create(name: "Roberto Pinheiro", cpf: "967.853.050-39", email: "betopinheiro1005@yahoo.com.br",
  occupation_id: 2)

Child.create(name: "Jailson", sex: "M", father_id: 1)
Child.create(name: "Josefa", sex: "F", father_id: 2)
Child.create(name: "Rebeca", sex: "F", father_id: 1)
Child.create(name: "Alexandre", sex: "M", father_id: 4)
Child.create(name: "Vanessa", sex: "F", father_id: 4)
```

## app/views/layouts/application.html.erb

```
<!DOCTYPE html>
<html>
  <head>
    <title>RorCurso</title>
    <%= csrf_meta_tags %>
    <%= csp_meta_tag %>

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

  <body>
    <div class="container">
      <%= yield %>
    </div>
  </body>
</html>
```

### app/views/children/new.html.erb

```
<h1>Novo Filho</h1>

<%= render 'form', child: @child %>

<%= link_to 'Voltar', children_path, class: "btn btn-default" %>
```

### app/views/children/edit.html.erb

```
<h1>Editar Filho</h1>

<%= render 'form', child: @child %>

<%= link_to 'Detalhes', @child, class: "btn btn-success" %>
<%= link_to 'Voltar', children_path, class: "btn btn-default" %>
```

### app/views/children/\_form.html.erb

```
<%= form_with(model: child, local: true) do |form| %>
  <% if child.errors.any? %>
    <div id="error_explanation">
      <h2><%= pluralize(child.errors.count, "erro encontrado!", "erros encontrados!") %> </h2>

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

  <div class="form-group">
    <%= form.label :name %>
    <%= form.text_field :name, class:"form-control" %>
  </div>

  <div class="form-group">
    <%= form.label :sex %>
    <%= form.select(:sex,
      options_for_select([["Masculino", "M"], ["Feminino", "F"]], child.sex),
      { include_blank: "Selecione" }, class:"form-control") %>
  </div>
end %>
```

```

    %>
  </div>

  <div class="form-group">
    <%= form.label :father_id %>
    <%= form.collection_select(:father_id,
                             @fathers,
                             :id, :name,
                             { include_blank: "Selecione" }, class:"form-control")
    %>
  </div>

  <div class="actions">
    <%= form.submit class: "btn btn-primary" %>
  </div>
<% end %>

<br>

```

**Novo Filho**

**Nome**

**Sexo**

**Pai**

**Criar Filho**

**Voltar**

**Editar Filho**

**Nome**

**Sexo**

**Pai**

**Alterar Filho**

**Detalhes** **Voltar**

## app/views/children/index.html.erb

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

<h1>Filhos</h1>

<table class="table table-striped">
  <thead>
    <tr>
      <th>Nome</th>
      <th>Sexo</th>
      <th>Pai</th>
      <th>Cadastrado em</th>
      <th colspan="3">Ações</th>
    </tr>
  </thead>

  <tbody>
    <% @children.each do |child| %>
      <tr>
        <td><%= child.name %></td>
        <td><%= pegar_sexo(child.sex) %></td>
        <td><%= child.father.name %></td>
        <td><%= child.created_at %></td>
        <td><%= link_to 'Detalhes', child, class: "btn btn-success" %></td>
        <td><%= link_to 'Editar', edit_child_path(child), class: "btn btn-warning" %></td>
        <td><%= link_to 'Eliminar', child, method: :delete, data: { confirm: 'Tem certeza que deseja excluir?' }, class: "btn btn-danger" %></td>
      </tr>
    <% end %>
  </tbody>
</table>

<br>

<%= link_to 'Novo Filho', new_child_path, class: "btn btn-primary" %>
<%= link_to 'Página Inicial', welcome_index_path, class: 'btn btn-default' %>
```

RorCurso

localhost:3000/children

## Filhos

Nome	Sexo	Pai	Cadastrado em	Ações
Jailson	Masculino	Jackson Pires	2019-10-23 13:30:58 -0300	<a href="#">Detalhes</a> <a href="#">Editar</a> <a href="#">Eliminar</a>
Josefa	Feminino	José Ateneu	2019-10-23 13:30:58 -0300	<a href="#">Detalhes</a> <a href="#">Editar</a> <a href="#">Eliminar</a>
Rebeca	Feminino	Jackson Pires	2019-10-23 13:30:58 -0300	<a href="#">Detalhes</a> <a href="#">Editar</a> <a href="#">Eliminar</a>
Alexandre	Masculino	Roberto Pinheiro	2019-10-23 13:30:58 -0300	<a href="#">Detalhes</a> <a href="#">Editar</a> <a href="#">Eliminar</a>
Vanessa	Feminino	Roberto Pinheiro	2019-10-23 13:30:58 -0300	<a href="#">Detalhes</a> <a href="#">Editar</a> <a href="#">Eliminar</a>

[Novo Filho](#)
[Página Inicial](#)

**app/views/children/show.html.erb**

```
<br>

<p id="notice"><%= notice %></p>

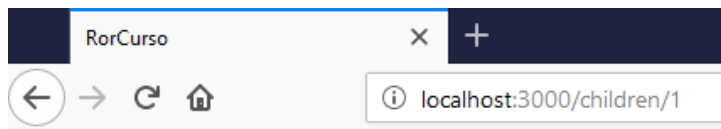
<h3>Filho</h3>

<br>

<p><span class="text-primary">Nome:</span> <%= @child.name %></p>
<p><span class="text-primary">Sexo:</span> <%= pegar_sexo(@child.sex) %></p>
<p><span class="text-primary">Pai:</span> <%= @child.father.name %></p>
<p><span class="text-primary">Cadastrado em:</span> <%= @child.created_at %></p>
<p><span class="text-primary">Atualizado em:</span> <%= @child.updated_at %></p>

<br>

<%= link_to 'Editar', edit_child_path(@child), class:'btn btn-warning' %>
<%= link_to 'Voltar', children_path, class:'btn btn-default' %>
```



## Filho

Nome: Jailson

Sexo: Masculino

Pai: Jackson Pires

Cadastrado em: 2019-10-23 13:30:58 -0300

Atualizado em: 2019-10-23 13:30:58 -0300

Editar

Voltar

### app/views/fathers/new.html.erb

```
<h1>Novo Pai</h1>

<%= render 'form', father: @father %>

<%= link_to 'Voltar', fathers_path, class: 'btn btn-default' %>
```

### app/views/fathers/edit.html.erb

```
<h1>Editar Pai</h1>

<%= render 'form', father: @father %>

<%= link_to 'Detalhes', @father, class: 'btn btn-success' %>
<%= link_to 'Voltar', fathers_path, class: 'btn btn-default' %>
```

## app/views/fathers/\_form.html.erb

```
<%= form_for @father, html: { multipart: true } do |form| %>
  <% if father.errors.any? %>
    <div id="error_explanation">
      <h2><%= pluralize(father.errors.count, "erro encontrado!", "erros encontrados!") %> </h2>

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

  <div class="form-group">
    <%= form.label :name %>
    <%= form.text_field :name, class: 'form-control' %>
  </div>

  <div class="form-group">
    <%= form.label :cpf %>
    <%= form.text_field :cpf, class: 'form-control' %>
  </div>

  <div class="form-group">
    <%= form.label :email %>
    <%= form.text_field :email, class: 'form-control' %>
  </div>

  <div class="form-group">
    <%= form.label :occupation_id %>
    <%= form.collection_select(:occupation_id,
                             @occupations,
                             :id, :description,
                             { include_blank: "Selecione" }, class:'form-control')
    %>
  </div>

  <div>
    <%= form.submit class: "btn btn-primary" %>
  </div>

  <br>
<% end %>
```



RorCurso

localhost:3000/fathers/new

## Novo Pai

**Nome**

**CPF**

**Email**

**Profissão**

Selecione

Criar Pai

Back

RorCurso

localhost:3000/fathers/1/edit

## Editar Pai

**Nome**

**CPF**

**Email**

**Profissão**

Programador

Alterar Pai

Detalhes Voltar

## app/views/fathers/index.html.erb

```
<p id="notice"><%= notice %></p>
<h1>Pais</h1>
<table class="table table-striped">
  <thead>
    <tr>
      <th>Nome</th>
      <th>CPF</th>
      <th>Email</th>
      <th>Profissão</th>
      <th colspan="3">Ações</th>
    </tr>
  </thead>
  <tbody>
    <% @fathers.each do |father| %>
      <tr>
        <td><%= father.name %></td>
        <td><%= father.cpf %></td>
        <td><%= father.email %></td>
        <td><%= father.occupation_description %></td>
        <td><%= link_to 'Detalhes', father, class:'btn btn-success' %></td>
        <td><%= link_to 'Editar', edit_father_path(father), class:'btn btn-warning' %></td>
        <td><%= link_to 'Excluir', father, method: :delete, data: { confirm: 'Tem certeza que deseja excluir?' }, class:'btn btn-danger' %></td>
      </tr>
    <% end %>
  </tbody>
</table>
<br>
<%= link_to 'Novo Pai', new_father_path, class: 'btn btn-primary' %>
<%= link_to 'Página Inicial', welcome_index_path, class: 'btn btn-default' %>
```

RorCurso

localhost:3000/fathers

## Pais

Nome	CPF	Email	Profissão	Ações
Jackson Pires	552.204.650-31	jackson_pires@gmail.com	Programador	<a href="#">Detalhes</a> <a href="#">Editar</a> <a href="#">Excluir</a>
José Ateneu	866.850.990-03	jose_ateneu@gmail.com	Médico	<a href="#">Detalhes</a> <a href="#">Editar</a> <a href="#">Excluir</a>
João Pereira	136.397.600-18	joao_pereira@gmail.com	Pedreiro	<a href="#">Detalhes</a> <a href="#">Editar</a> <a href="#">Excluir</a>
Roberto Pinheiro	967.853.050-39	betopinheiro1005@yahoo.com.br	Programador	<a href="#">Detalhes</a> <a href="#">Editar</a> <a href="#">Excluir</a>

[Novo Pai](#) [Página Inicial](#)

## app/views/fathers/show.html.erb

```
<br>

<div>

  <p id="notice"><%= notice %></p>

  <h3>Pai</h3>

  <br>

  <p><span class="text-primary">Nome:</span> <%= @father.name %></p>
  <p><span class="text-primary">CPF:</span> <%= @father.cpf %></p>
  <p><span class="text-primary">Email:</span> <%= @father.email %></p>
  <p><span class="text-primary">Profissão:</span> <%= @father.occupation_description %></p>

  <% if @father.children.count > 0 %>
  <p class="text-primary">Filhos:</p>
  <% @father.children.each do |child| %>
    <ul>
      <li>
        <%= "#{child.name} - #{pegar_sexo(child.sex)}" %>
      </li>
    </ul>
  <% end %>
  <% else %>
  <p><span class="text-primary">Filhos:</span> Não tem</p>
  <% end %>
  <p><span class="text-primary">Cadastrado em:</span> <%= @father.created_at %></p>
  <p><span class="text-primary">Última atualização:</span> <%= @father.updated_at %></p>
  <br>

  <%= link_to 'Editar', edit_father_path(@father), class:'btn btn-warning' %>
  <%= link_to 'Voltar', fathers_path, class:'btn btn-default' %>

</div>
```



## Pai

Nome: Jackson Pires

CPF: 552.204.650-31

Email: jackson\_pires@gmail.com

Profissão: Programador

### Filhos:

- Jailson - Masculino
- Rebeca - Feminino

Cadastrado em: 2019-10-23 13:30:58 -0300

Última atualização: 2019-10-23 13:30:58 -0300

[Editar](#) [Voltar](#)

## app/views/occupations/new.html.erb

```
<h1>New Occupation</h1>

<%= render 'form', occupation: @occupation %>
<%= link_to 'Back', occupations_path %>
```

## app/views/occupations/edit.html.erb

```
<h1>Editar Profissão</h1>

<%= render 'form', occupation: @occupation %>

<%= link_to 'Detalhes', @occupation, class: "btn btn-success" %>
<%= link_to 'Voltar', occupations_path, class: "btn btn-default" %>
```

## app/views/occupations/\_form.html.erb

```
<%= form_with(model: occupation, local: true) do |form| %>
  <% if occupation.errors.any? %>
    <div id="error_explanation">
      <h2><%= pluralize(occupation.errors.count, "error") %> prohibited this occupation from being
saved:</h2>

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

  <div class="form-group">
    <%= form.label :description %>
    <%= form.text_field :description, class: "form-control" %>
  </div>

  <div class="actions">
    <%= form.submit class: "btn btn-primary" %>
  </div>
<% end %>
```



**app/views/occupations/index.html.erb**

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

<h1>Profissões</h1>

<table class="table table-striped">
  <thead>
    <tr>
      <th>Descrição</th>
      <th>Cadastrada em:</th>
      <th>Atualizada em:</th>
      <th colspan="3">Ações</th>
    </tr>
  </thead>

  <tbody>
    <% @occupations.each do |occupation| %>
      <tr>
        <td><%= occupation.description %></td>
        <td><%= occupation.created_at %></td>
        <td><%= occupation.updated_at %></td>
        <td><%= link_to 'Detalhes', occupation, class: "btn btn-success" %></td>
        <td><%= link_to 'Editar', edit_occupation_path(occupation), class: "btn btn-warning" %></td>
        <td><%= link_to 'Eliminar', occupation, method: :delete, data: { confirm: 'Tem certeza que deseja excluir?' }, class: "btn btn-danger" %></td>
      </tr>
    </tbody>
  </table>
```

```
<% end %>
```

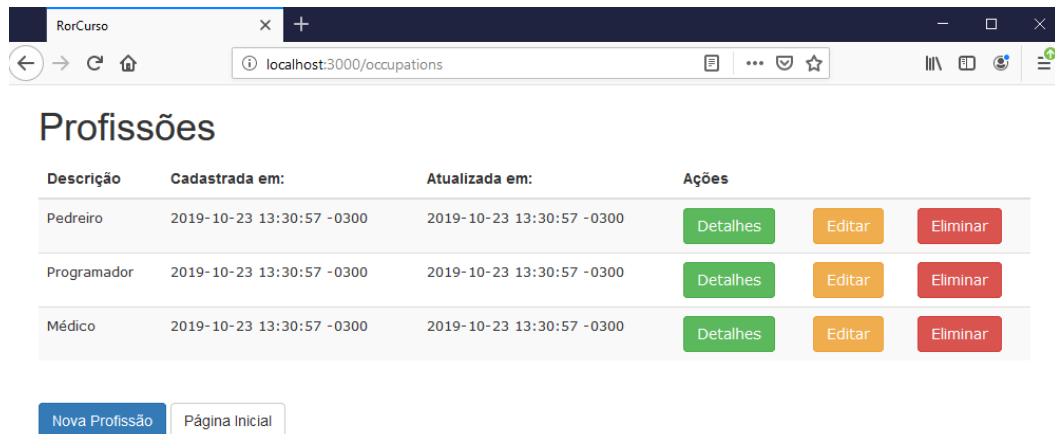
```
</tbody>
```

```
</table>
```

```
<br>
```

```
<%= link_to 'Nova Profissão', new_occupation_path, class: "btn btn-primary" %>
```

```
<%= link_to 'Página Inicial', welcome_index_path, class: 'btn btn-default' %>
```



The screenshot shows a web browser window with the address bar displaying 'localhost:3000/occupations'. The page title is 'Profissões'. Below the title is a table with four columns: 'Descrição', 'Cadastrada em:', 'Atualizada em:', and 'Ações'. The table contains three rows of data for the professions 'Pedreiro', 'Programador', and 'Médico'. Each row has three buttons in the 'Ações' column: 'Detalhes' (green), 'Editar' (orange), and 'Eliminar' (red). Below the table, there are two buttons: 'Nova Profissão' (blue) and 'Página Inicial' (white with a grey border).

Descrição	Cadastrada em:	Atualizada em:	Ações
Pedreiro	2019-10-23 13:30:57 -0300	2019-10-23 13:30:57 -0300	<a href="#">Detalhes</a> <a href="#">Editar</a> <a href="#">Eliminar</a>
Programador	2019-10-23 13:30:57 -0300	2019-10-23 13:30:57 -0300	<a href="#">Detalhes</a> <a href="#">Editar</a> <a href="#">Eliminar</a>
Médico	2019-10-23 13:30:57 -0300	2019-10-23 13:30:57 -0300	<a href="#">Detalhes</a> <a href="#">Editar</a> <a href="#">Eliminar</a>

[Nova Profissão](#) [Página Inicial](#)

## app/views/occupations/show.html.erb

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

<h3>Profissão</h3>

<br>

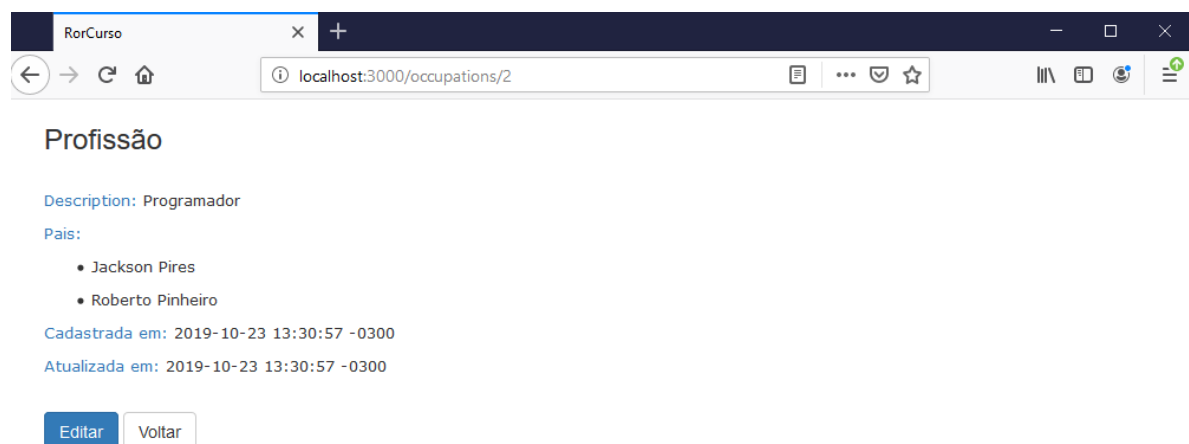
<p><span class="text-primary">Description:</span> <%= @occupation.description %></p>

<% if @occupation.fathers.count > 0 %>
  <p class="text-primary">Pais:</p>
  <% @occupation.fathers.each do |pai| %>
    <ul>
      <li>
        <%= pai.name %>
      </li>
    </ul>
  <% end %>
<% else %>
  <p><span class="text-primary">Filhos:</span> Não tem</p>
<% end %>

<p><span class="text-primary">Cadastrada em:</span> <%= @occupation.created_at %></p>
<p><span class="text-primary">Atualizada em:</span> <%= @occupation.updated_at %></p>

<br>

<%= link_to 'Editar', edit_occupation_path(@occupation), class: "btn btn-primary" %>
<%= link_to 'Voltar', occupations_path, class: "btn btn-default" %>
```





## app/views/welcome/index.html.erb

```
<h1>Welcome!!!</h1>
<br>
<p><%= link_to 'Pais', fathers_path, class: "btn btn-default" %>
  <%= link_to 'Filhos', children_path, class: "btn btn-default" %>
  <%= link_to 'Profissões', occupations_path, class: "btn btn-default" %></p>
```



# Welcome!!!

[Pais](#) [Filhos](#) [Profissões](#)

## Validações e relacionamentos

app/models/child.rb

```
class Occupation < ApplicationRecord
  has_many :fathers
  validates :description, presence: true
  validates :father_id, presence: true
end
```

The screenshot shows a web browser window with the address bar displaying 'localhost:3000/children'. The page title is 'Novo Filho'. A red banner at the top of the form area indicates '3 erros encontrados!'. Below this, a list of errors is shown: 'Pai é obrigatório(a)', 'Nome não pode ficar em branco', and 'Sexo não pode ficar em branco'. The form fields are: 'Nome' (a text input field), 'Sexo' (a dropdown menu with 'Selecione' selected), and 'Pai' (a dropdown menu with 'Selecione' selected). At the bottom of the form, there are two buttons: 'Criar Filho' (a blue button) and 'Voltar' (a white button with a grey border).

Novo Filho

3 erros encontrados!

- Pai é obrigatório(a)
- Nome não pode ficar em branco
- Sexo não pode ficar em branco

Nome

Sexo

Selecione

Pai

Selecione

Criar Filho

Voltar

## app/models/father.rb

```
class Father < ApplicationRecord
  has_many :children
  belongs_to :occupation

  validates :name, presence: true
  validates :email, presence: true, uniqueness: true
  validates :cpf, presence: true

  has_one_attached :avatar

  def occupation_description
    if self.occupation.blank?
      "_ "
    else
      self.occupation.description
    end
  end
end
```



## Novo Pai

4 erros encontrados!

- Profissão é obrigatório(a)
- Nome não pode ficar em branco
- Email não pode ficar em branco
- CPF não pode ficar em branco

Nome

CPF

Email

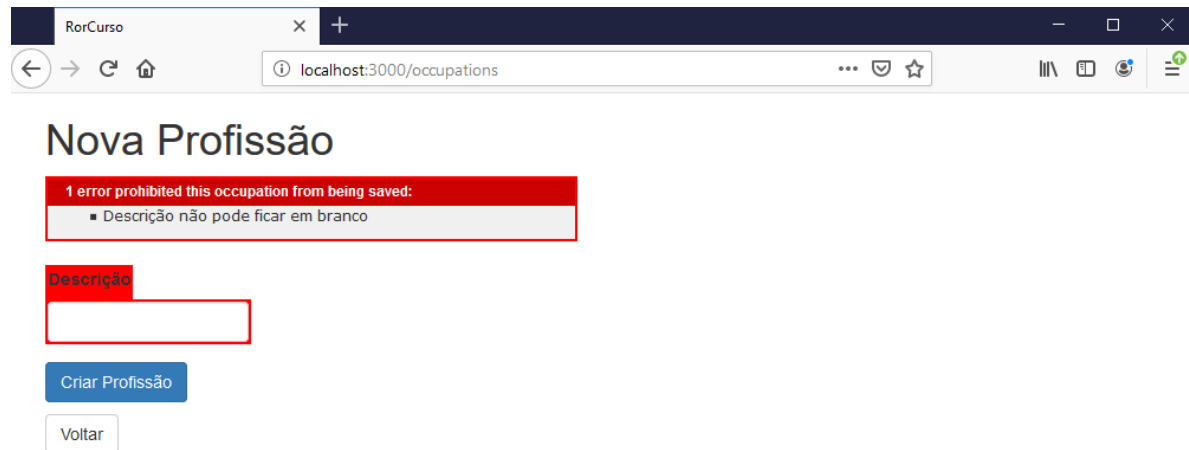
Profissão

Criar Pai

Back

**app/models/occupation.rb**

```
class Occupation < ApplicationRecord
  has_many :fathers
  validates :description, presence: true
end
```



The screenshot shows a web browser window with the title 'RorCurso'. The address bar displays 'localhost:3000/occupations'. The page content includes a heading 'Nova Profissão'. Below the heading, a red error message box states: '1 error prohibited this occupation from being saved: Descrição não pode ficar em branco'. Underneath the error, there is a label 'Descrição' followed by an empty text input field. At the bottom of the form, there are two buttons: 'Criar Profissão' (blue) and 'Voltar' (white).

## Fazendo o deploy

heroku login

git init

git status

git add .

git status

git commit -m "Usando Bootstrap"

git push heroku master

heroku run rake db:seed

heroku open