

# Curso de Ruby on Rails – Aula 20

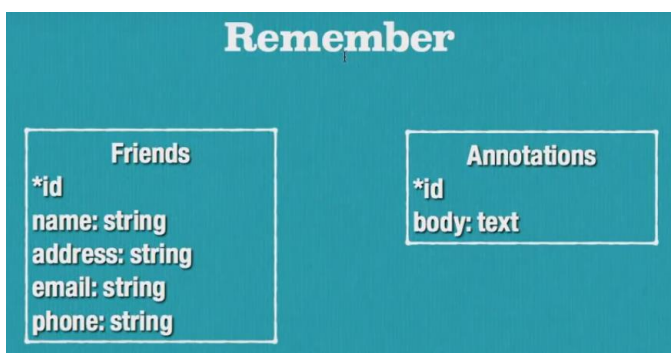
## Jackson Pires

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

Resumo feito por Roberto Pinheiro

## Aula 20 – Criando uma pequena aplicação

Trata-se da criação de uma agenda de contato simples.



### Criando o projeto

```
rails new remember --database=mysql
```

### Criando o banco de dados

```
rake db:create
```

```
C:\Sites\remember>rake db:create
Created database 'remember_development'
Created database 'remember_test'
```

### Criando os scaffolds

```
rails g scaffold Annotation body:text
rails g scaffold Friend name:string address:string email:string phone:string
```

## Criando as tabelas

rake db:migrate

```
C:\Sites\remember>rake db:migrate
== 20191017112417 CreateAnnotations: migrating =====
-- create_table(:annotations)
   -> 0.2773s
== 20191017112417 CreateAnnotations: migrated (0.2781s) =====

== 20191017112530 CreateFriends: migrating =====
-- create_table(:friends)
   -> 0.2460s
== 20191017112530 CreateFriends: migrated (0.2479s) =====
```

## Criando o controller welcome com a action index

rails g controller welcome index

```
C:\Sites\remember>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
```

## Rodando o servidor

rails s

```
C:\Sites\remember>rails s
=> Booting Puma
=> Rails 5.2.3 application starting in development
=> Run `rails server -h` for more startup options
*** SIGUSR2 not implemented, signal based restart unavailable!
*** SIGUSR1 not implemented, signal based restart unavailable!
*** SIGHUP not implemented, signal based logs reopening unavailable!
Puma starting in single mode...
* Version 3.12.1 (ruby 2.5.1-p57), codename: Llamas in Pajamas
* Min threads: 5, max threads: 5
* Environment: development
* Listening on tcp://localhost:3000
Use Ctrl-C to stop
```

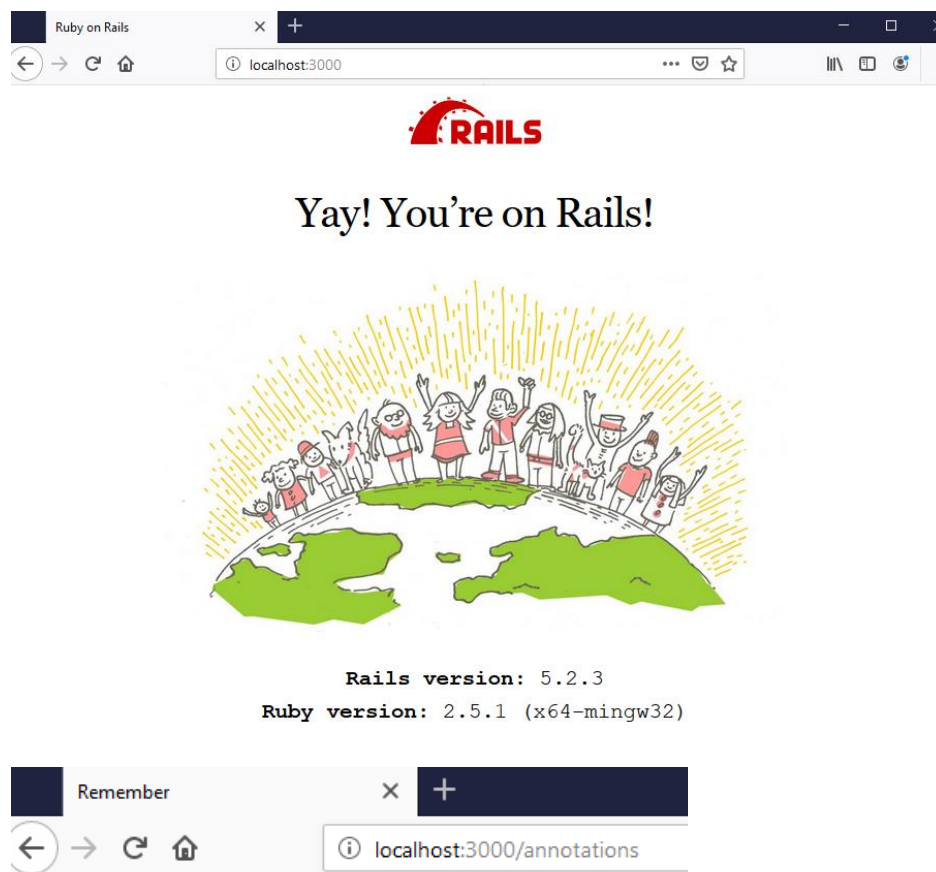
- Dê start no MySQL

**config/routes.rb**

```
Rails.application.routes.draw do
  get 'welcome/index'
  resources :friends
  resources :annotations
end
```

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

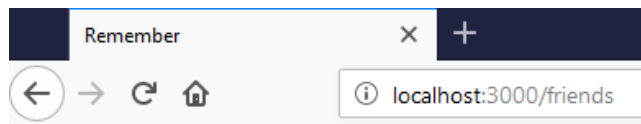
```
<h1>:: Remember! ::</h1>
<p>Seja bem-vindo!</p>
```



## Annotations

**Body**

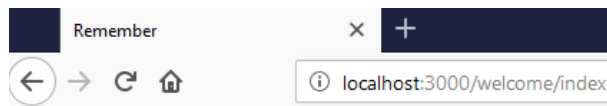
[New Annotation](#)



## Friends

Name Address Email Phone

[New Friend](#)



## ... Remember! ...

Seja bem-vindo!

### config/routes.rb

```
Rails.application.routes.draw do
  get 'welcome/index'
  root 'welcome#index'
  resources :friends
  resources :annotations
end
```

## Instalando o Bootstrap

### Gemfile

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

ruby '2.5.1'

# rb-readline
gem 'rb-readline', '~> 0.5.5'

# Bootstrap
gem 'twitter-bootstrap-rails', :git => 'git://github.com/seyhunak/twitter-bootstrap-rails.git'

# 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 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 bootstrap:install less

```
C:\Sites\remember>rails generate bootstrap:install less
insert  app/assets/javascripts/application.js
create  app/assets/javascripts/bootstrap.js.coffee
create  app/assets/stylesheets/bootstrap and overrides.css.less
create  config/locales/en.bootstrap.yml
gsub    app/assets/stylesheets/application.css
```

rails generate bootstrap:themed Annotations

```
C:\Sites\remember>rails g bootstrap:themed Annotations
conflict  app/views/annotations/index.html.erb
Overwrite C:/Sites/remember/app/views/annotations/index.html.erb? (enter "h" for help) [Ynaqdhm] a
force     app/views/annotations/index.html.erb
conflict  app/views/annotations/new.html.erb
force     app/views/annotations/new.html.erb
conflict  app/views/annotations/edit.html.erb
force     app/views/annotations/edit.html.erb
conflict  app/views/annotations/ form.html.erb
force     app/views/annotations/ form.html.erb
conflict  app/views/annotations/show.html.erb
force     app/views/annotations/show.html.erb
```

rails generate bootstrap:themed Friends

```
C:\Sites\remember>rails g bootstrap:themed Friends
conflict  app/views/friends/index.html.erb
Overwrite C:/Sites/remember/app/views/friends/index.html.erb? (enter "h" for help) [Ynaqdhm] a
force     app/views/friends/index.html.erb
conflict  app/views/friends/new.html.erb
force     app/views/friends/new.html.erb
conflict  app/views/friends/edit.html.erb
force     app/views/friends/edit.html.erb
conflict  app/views/friends/ form.html.erb
force     app/views/friends/ form.html.erb
conflict  app/views/friends/show.html.erb
force     app/views/friends/show.html.erb
```

No arquivo `app/assets/stylesheets/scaffold.scss` substituir o conteúdo pelo conteúdo do arquivo `bootstrap.css` (versão 3.3.7)

## 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 Remember
  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
```



## config/locales/pt-BR.yml

```
pt-BR:
  activerecord:
    models:
      annotation: Lembrete
      friend: Contato
    attributes:
      friend:
        name: Nome
        email: Email
        address: Endereço
        phone: Telefone
        created_at: Criado em
        update_at: Atualizado em
      annotation:
        body: Anotação
        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 caractere)  
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: "
```

## config/locales/pt-BR\_bootstrap.yml

```
pt-BR:
  breadcrumbs:
    application:
      root: "Index"
    pages:
      pages: "Páginas"
  helpers:
    actions: "Ações"
    links:
      back: "Voltar"
      cancel: "Cancelar"
      confirm: "Tem certeza?"
      destroy: "Excluir"
      new: "Novo"
      edit: "Editar"
      show: "Exibir"
  titles:
    edit: "Editar %{model}"
    save: "Salvar %{model}"
    new: "Novo %{model}"
    delete: "Apagar %{model}"
```

## app/views/layouts/application.erb

```
<!DOCTYPE html>
<html>
<head>
  <title>Exemplos</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">
  <nav class="navbar navbar-default">
    <div class="container-fluid">
      <!-- Brand and toggle get grouped for better mobile display -->
      <div class="navbar-header">
        <button type="button" class="navbar-toggle collapsed" data-toggle="collapse" data-
target="#bs-example-navbar-collapse-1" aria-expanded="false">
          <span class="sr-only">Toggle navigation</span>
          <span class="icon-bar"></span>
          <span class="icon-bar"></span>
          <span class="icon-bar"></span>
        </button>
        <%= link_to 'Home', root_url, class: "navbar-brand" %>
      </div>

      <!-- Collect the nav links, forms, and other content for toggling -->
      <div class="collapse navbar-collapse" id="bs-example-navbar-collapse-1">
        <ul class="nav navbar-nav">
          <li class="active"><%= link_to 'Contatos', friends_url %></li>
          <li><%= link_to 'Anotações', annotations_url %></li>
        </ul>
      </div><!-- /.navbar-collapse -->
    </div><!-- /.container-fluid -->
  </nav>

  <%= yield %>
</div>

</body>
</html>
```

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

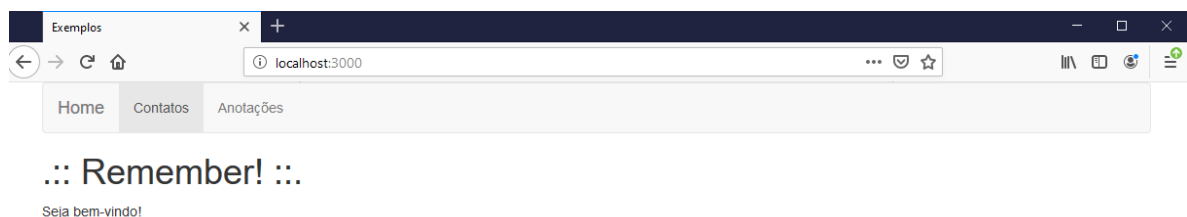
```
<%= form_for @annotation, :html => { :class => "form-horizontal annotation" } do |f| %>

  <% if @annotation.errors.any? %>
    <div id="error_expl" class="panel panel-danger">
      <div class="panel-heading">
        <h3 class="panel-title"><%= pluralize(@annotation.errors.count, "error") %> prohibited this
annotation from being saved:</h3>
      </div>
      <div class="panel-body">
        <ul>
          <% @annotation.errors.full_messages.each do |msg| %>
            <li><%= msg %></li>
          <% end %>
        </ul>
      </div>
    </div>
  <% end %>

  <div class="form-group">
    <%= f.label :body, :class => 'control-label' %><br><br>
    <div>
      <%= f.text_area :body, "COLS" => 80, "ROWS" => 10 %>
    </div>
    <%= f.error_span(:body) %>
  </div>

  <div class="form-group">
    <div>
      <%= f.submit nil, :class => 'btn btn-primary' %>
      <%= link_to t('.cancel', :default => t("helpers.links.cancel")),
        annotations_path, :class => 'btn btn-default' %>
    </div>
  </div>

<% end %>
```



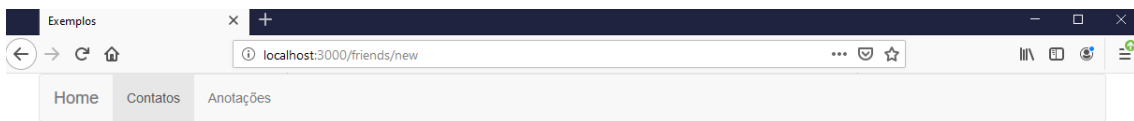




## Contatos

Id	Nome	Endereço	Email	Telefone	Ações
1	Roberto Pinheiro	Rua Waldemar Francisco do Nascimento, 257	betopinheiro1005@yahoo.com.br	(11) 98356-2157	<button>Exibir</button> <button>Editar</button> <button>Excluir</button>
2	Jackson Pires	Rua das Acácias, 195	jackson_pires@gmail.com	(11) 98122-6838	<button>Exibir</button> <button>Editar</button> <button>Excluir</button>

Novo



## Novo Contato

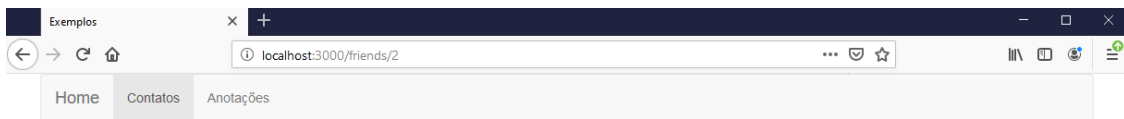
**Nome**

**Endereço**

**Email**

**Telefone**

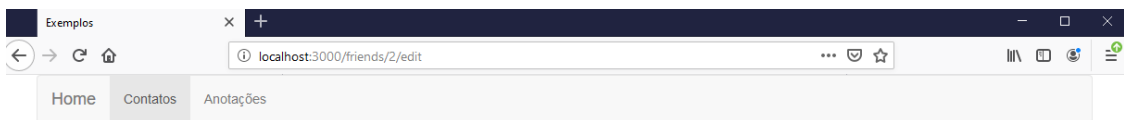
Criar Contato Cancelar



## Contato

**Nome:** Jackson Pires  
**Endereço:** Rua das Acácias, 195  
**Email:** jackson\_pires@gmail.com  
**Telefone:** (11) 98122-6838  
**Criado em:** 2019-10-18 13:02:35 UTC

Voltar Editar Excluir



## Editar Contato

**Nome**

**Endereço**

**Email**

**Telefone**

Atualizar Contato Cancelar

