

{desafío}  
latam\_

# Aplicaciones en Rails



# Introducción a Ruby on Rails

- Conocer qué es Ruby on Rails.
- Conocer las ventajas y desventajas de Rails.

## Competencias

# Introducción a Ruby on Rails



# Instalando Rails y creando nuestro primer proyecto

- Instalar la gema Rails.
- Crear un proyecto nuevo con Rails.
- Levantar y bajar el servidor de Rails.
- Utilizar el navegador para conectarse al servidor de Rails.
- Conocer errores típicos al momento de levantar un servidor.

## Competencias

# Instalando Rails y creando nuestro primer proyecto

```
>gem install rails -v 5.2.1  
  
>rails new proyecto
```

- ▶  app
- ▶  bin
- ▶  config
- ▶  config.ru
- ▶  db
- ▶  Gemfile
- ▶  Gemfile.lock
- ▶  lib
- ▶  log
- ▶  package.json
- ▶  public
- ▶  Rakefile
- ▶  README.md
- ▶  storage
- ▶  test
- ▶  tmp
- ▶  vendor

# Levantando el servidor de Rails

```
>rails s

=> Booting Puma

=> Rails 5.2.1 application starting in development

=> Run `rails server -h` for more startup options

Puma starting in single mode...

* Version 3.12.0 (ruby 2.5.1-p57), codename: Llamas in Pajamas

* Min threads: 5, max threads: 5

* Environment: development

* Listening on tcp://0.0.0.0:3000

Use Ctrl-C to stop
```

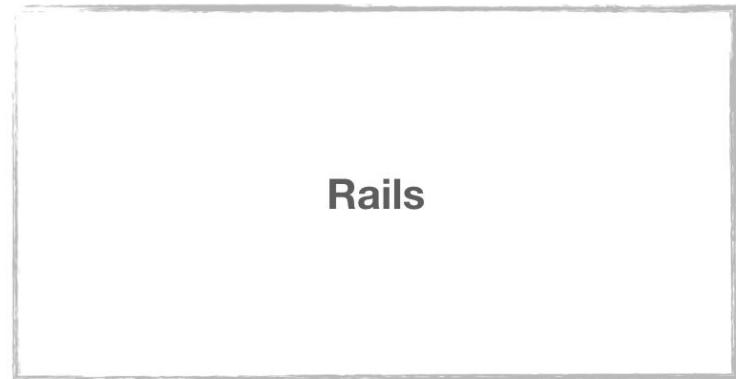
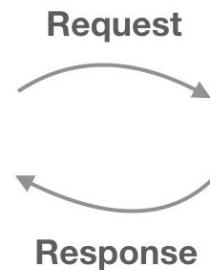
# Conectándose al servidor



Yay! You're on Rails!



# El servidor



# Errores comunes

Usage:

```
rails new APP_PATH [options]
```

Options:

```
[--skip-namespace], [--no-skip-namespace]
```

```
# Skip namespace (affects only isolated applications)
```

```
-r, [--ruby=PATH]
```

```
# Path to the Ruby binary of your choice
```

```
# Default:
```

```
/Users/gonzalosanchez/.rvm/rubies/ruby-2.5.1/bin/ruby -m, [--template=TEMPLATE]
```

```
# Path to some application template (can be a filesystem path or URL)
```

```
-d, [--database=DATABASE]
```

# Errores comunes

```
Puma starting in single mode...
* Version 3.12.1 (ruby 2.6.0-p0), codename: Llamas in Pajamas
* Min threads: 5, max threads: 5
* Environment: development
Exiting
Traceback (most recent call last):
  43: from bin/rails:3:in `main'
  42: from bin/rails:3:in `load'
  41: from /Users/danielaguilar/Documents/desafio-latam/creacion-contenido/proyecto/bin/spring:15:in `top (required)'
  40: from /Users/danielaguilar/Documents/desafio-latam/creacion-contenido/proyecto/bin/spring:15:in `require'
  39: from /Users/danielaguilar/.rvm/gems/ruby-2.6.0/gems/spring-2.0.2/lib/spring/binstub.rb:31:in `top (required)'
  38: from /Users/danielaguilar/.rvm/gems/ruby-2.6.0/gems/spring-2.0.2/lib/spring/binstub.rb:31:in `load'
  37: from /Users/danielaguilar/.rvm/gems/ruby-2.6.0/gems/spring-2.0.2/bin/spring:49:in `top (required)'
  36: from /Users/danielaguilar/.rvm/gems/ruby-2.6.0/gems/spring-2.0.2/lib/spring/client/command.rb:7:in `call'
  35: from /Users/danielaguilar/.rvm/gems/ruby-2.6.0/gems/spring-2.0.2/lib/spring/client/command.rb:30:in `run'
  34: from /Users/danielaguilar/.rvm/gems/ruby-2.6.0/gems/spring-2.0.2/lib/spring/client/rails.rb:28:in `call'
  33: from /Users/danielaguilar/.rvm/gems/ruby-2.6.0/gems/spring-2.0.2/lib/spring/client/rails.rb:28:in `load'
  32: from /Users/danielaguilar/Documents/desafio-latam/creacion-contenido/proyecto/bin/rails:9:in `top (required)'
  31: from /Users/danielaguilar/.rvm/gems/ruby-2.6.0/gems/activesupport-5.2.3/lib/active_support/dependencies.rb:29:in `require'
  30: from /Users/danielaguilar/.rvm/gems/ruby-2.6.0/gems/activesupport-5.2.3/lib/active_support/dependencies.rb:257:in `load_dependency'
  29: from /Users/danielaguilar/.rvm/gems/ruby-2.6.0/gems/activesupport-5.2.3/lib/active_support/dependencies.rb:291:in `block in require'
  28: from /Users/danielaguilar/.rvm/gems/ruby-2.6.0/gems/bootsnap-1.4.4/lib/bootsnap/load_path_cache/core_ext/kernel_require.rb:30:in `require'
  27: from /Users/danielaguilar/.rvm/gems/ruby-2.6.0/gems/bootsnap-1.4.4/lib/bootsnap/load_path_cache/core_ext/kernel_require.rb:21:in `require_with_bootsnap_lfi'
  26: from /Users/danielaguilar/.rvm/gems/ruby-2.6.0/gems/bootsnap-1.4.4/lib/bootsnap/load_path_cache/loaded_features_index.rb:92:in `register'
  25: from /Users/danielaguilar/.rvm/gems/ruby-2.6.0/gems/bootsnap-1.4.4/lib/bootsnap/load_path_cache/core_ext/kernel_require.rb:22:in `block in require_with_bootsnap_lfi'
  24: from /Users/danielaguilar/.rvm/gems/ruby-2.6.0/gems/bootsnap-1.4.4/lib/bootsnap/load_path_cache/core_ext/kernel_require.rb:22:in `require'
  23: from /Users/danielaguilar/.rvm/gems/ruby-2.6.0/gems/railties-5.2.3/lib/rails/commands.rb:18:in `main'
  22: from /Users/danielaguilar/.rvm/gems/ruby-2.6.0/gems/railties-5.2.3/lib/rails/command.rb:46:in `invoke'
  21: from /Users/danielaguilar/.rvm/gems/ruby-2.6.0/gems/railties-5.2.3/lib/rails/command/base.rb:65:in `perform'
  20: from /Users/danielaguilar/.rvm/gems/ruby-2.6.0/gems/thor-0.20.3/lib/thor.rb:387:in `dispatch'
  19: from /Users/danielaguilar/.rvm/gems/ruby-2.6.0/gems/thor-0.20.3/lib/thor/invocation.rb:126:in `invoke_command'
  18: from /Users/danielaguilar/.rvm/gems/ruby-2.6.0/gems/thor-0.20.3/lib/thor/command.rb:27:in `run'
  17: from /Users/danielaguilar/.rvm/gems/ruby-2.6.0/gems/railties-5.2.3/lib/rails/commands/server/server_command.rb:142:in `perform'
  16: from /Users/danielaguilar/.rvm/gems/ruby-2.6.0/gems/railties-5.2.3/lib/rails/commands/server/server_command.rb:142:in `tap'
  15: from /Users/danielaguilar/.rvm/gems/ruby-2.6.0/gems/railties-5.2.3/lib/rails/commands/server/server_command.rb:147:in `block in perform'
  14: from /Users/danielaguilar/.rvm/gems/ruby-2.6.0/gems/railties-5.2.3/lib/rails/commands/server/server_command.rb:53:in `start'
  13: from /Users/danielaguilar/.rvm/gems/ruby-2.6.0/gems/rack-2.0.7/lib/rack/server.rb:297:in `start'
  12: from /Users/danielaguilar/.rvm/gems/ruby-2.6.0/gems/puma-3.12.1/lib/rack/handler/puma.rb:73:in `run'
  11: from /Users/danielaguilar/.rvm/gems/ruby-2.6.0/gems/puma-3.12.1/lib/puma/launcher.rb:186:in `run'
  10: from /Users/danielaguilar/.rvm/gems/ruby-2.6.0/gems/puma-3.12.1/lib/puma/single.rb:98:in `run'
  9: from /Users/danielaguilar/.rvm/gems/ruby-2.6.0/gems/puma-3.12.1/lib/puma/runner.rb:153:in `load_and_bind'
  8: from /Users/danielaguilar/.rvm/gems/ruby-2.6.0/gems/puma-3.12.1/lib/puma/binder.rb:98:in `parse'
  7: from /Users/danielaguilar/.rvm/gems/ruby-2.6.0/gems/puma-3.12.1/lib/puma/binder.rb:98:in `each'
  6: from /Users/danielaguilar/.rvm/gems/ruby-2.6.0/gems/puma-3.12.1/lib/puma/binder.rb:106:in `block in parse'
  5: from /Users/danielaguilar/.rvm/gems/ruby-2.6.0/gems/puma-3.12.1/lib/puma/binder.rb:266:in `add_tcp_listener'
  4: from /Users/danielaguilar/.rvm/gems/ruby-2.6.0/gems/puma-3.12.1/lib/puma/binder.rb:266:in `each'
  3: from /Users/danielaguilar/.rvm/gems/ruby-2.6.0/gems/puma-3.12.1/lib/puma/binder.rb:267:in `block in add_tcp_listener'
  2: from /Users/danielaguilar/.rvm/gems/ruby-2.6.0/gems/puma-3.12.1/lib/puma/binder.rb:273:in `add_tcp_listener'
  1: from /Users/danielaguilar/.rvm/gems/ruby-2.6.0/gems/puma-3.12.1/lib/puma/binder.rb:273:in `new'

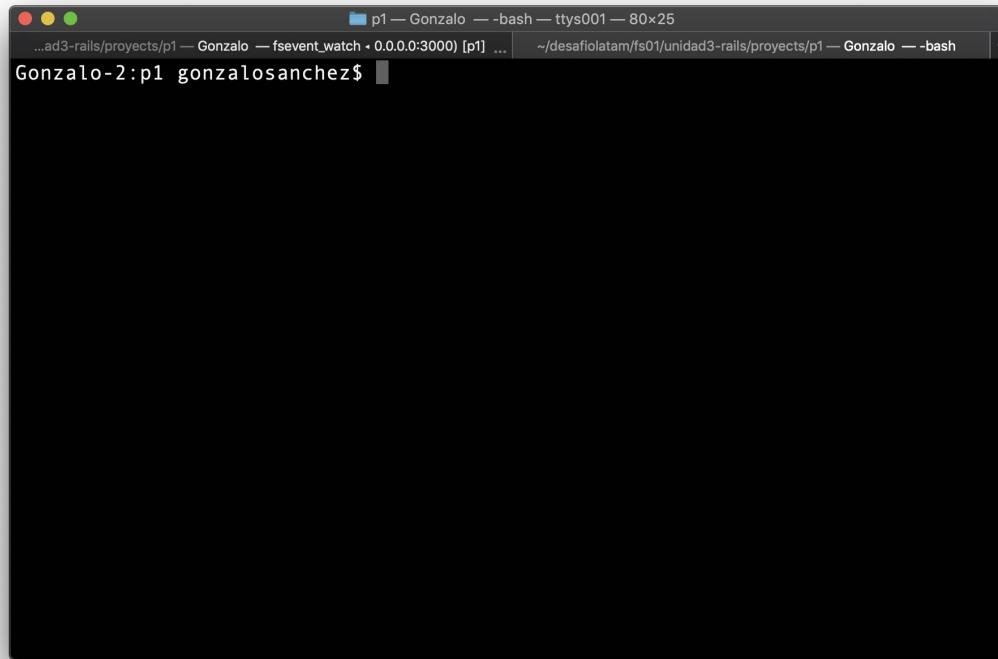
/Users/danielaguilar/.rvm/gems/ruby-2.6.0/gems/puma-3.12.1/lib/puma/binder.rb:273:in `initialize': Address already in use - bind(2) for ":::1" port 3000 (Errno::EADDRINUSE)
```

# Creando una página web con el generador

- Conocer el generador de controladores.
- Utilizar un generador para crear páginas estáticas.
- Estudiar el concepto de vista y de controlador.
- Trabajar con la carpeta views.
- Modificar una página estática.

## Competencias

# Trabajando con dos tabs



# Controlador y Vista

- localhost:3000/categorias/tecnología
- localhost:3000/categorias/libros
- localhost:3000/categorias/moda
- localhost:3000/categorias/salud
- localhost:3000/productos/ofertas
- localhost:3000/productos/populares

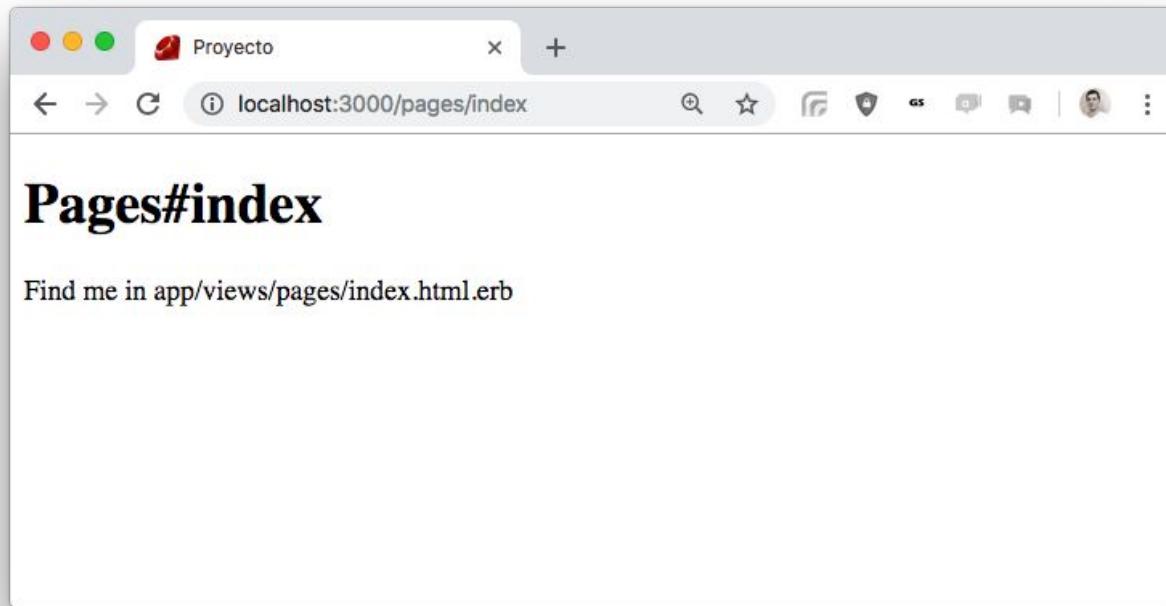
# Convención sobre configuración

# Utilizando el generador

```
>rails generate controller pages index about

create  app/controllers/pages_controller.rb
route   get 'pages/index'
        get 'pages/about'
invoke  erb
create  app/views/pages
create  app/views/pages/index.html.erb
create  app/views/pages/about.html.erb
invoke  test_unit
create  test/controllers/pages_controller_test.rb
invoke  helper
create  app/helpers/pages_helper.rb
invoke  test_unit
invoke  assets
invoke  coffee
create  app/assets/javascripts/pages.coffee
invoke  scss
create  app/assets/stylesheets/pages.scss
```

# Utilizando el generador



# Utilizando el generador

```
>rails generate controller pages index about

create  app/controllers/pages_controller.rb
route   get 'pages/index'
        get 'pages/about'
invoke  erb
create  app/views/pages
create  app/views/pages/index.html.erb
create  app/views/pages/about.html.erb
invoke  test_unit
create  test/controllers/pages_controller_test.rb
invoke  helper
create  app/helpers/pages_helper.rb
invoke  test_unit
invoke  assets
invoke  coffee
create  app/assets/javascripts/pages.coffee
invoke  scss
create  app/assets/stylesheets/pages.scss
```

# Modificando la página

```
create    app/views/pages
create    app/views/pages/index.html.erb
create    app/views/pages/about.html.erb
```

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

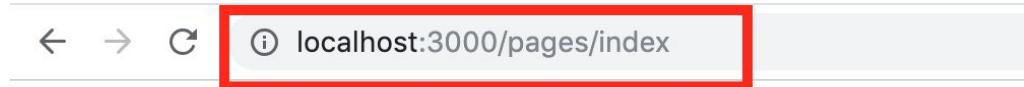
← → ⌂ ⓘ localhost:3000/pages/index

## Pages#index

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

# Modificando la página

```
<h1>Indice de la página</h1>
<p>Acabo de modificar el archivo app/views/pages/index.html.erb</p>
<h2>Hola Mundo!!</h2>
```



localhost:3000/pages/index

A screenshot of a web browser window. The address bar at the top contains the URL "localhost:3000/pages/index". Below the address bar, the main content area displays the modified page. It features an H1 heading "Indice de la página", a P element containing the text "Acabo de modificar el archivo app/views/pages/index.html.erb", and an H2 heading "Hola Mundo!!". The entire screenshot is framed by a thick red border.

## Indice de la página

Acabo de modificar el archivo app/views/pages/index.html.erb

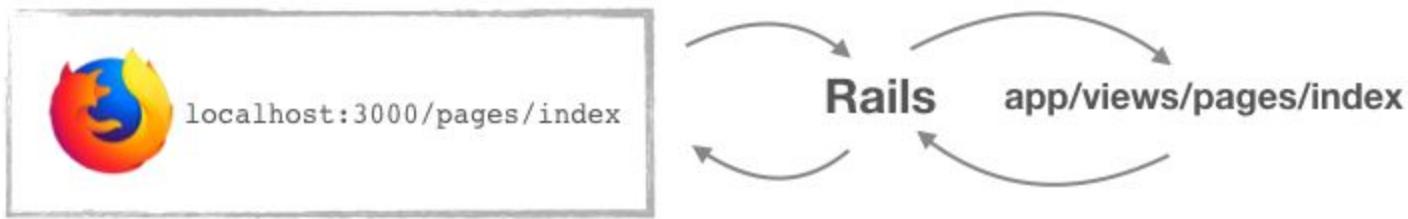
**Hola Mundo!!**

# Contenido dinámico

- Conocer el concepto de contenido dinámico.
- Entender el rol de Ruby dentro de las vistas.
- Utilizar Ruby para mostrar contenido dinámicamente.
- Leer el log de un request.

## Competencias

# Vistas y páginas web



# ERB

<%= %>

<% %>

# ERB

```
<h1>Indice de la página</h1>
<p>Acabo de modificar el archivo app/views/pages/index.html.erb</p>
<h2>Hola Mundo!!</h2>
```

```
©Copyright <%= Time.now.year %>
```

localhost:3000/pages/index

## Indice de la página

Acabo de modificar el archivo app/views/pages/index.html.erb

### Hola Mundo!!

©Copyright 2019

# ERB

```
<h1>Indice de la página</h1>
<p>Acabo de modificar el archivo app/views/pages/index.html.erb</p>
<h2>Hola Mundo!!</h2>

©Copyright <%= Time.now.year %>

<% if Time.now.year >= 2018 %>
| <p> Versión 2.0 </p>
<% else %>
| <p> versión 1.0 </p>
<% end %>
```



← → C ⓘ localhost:3000/pages/index

## Indice de la página

Acabo de modificar el archivo app/views/pages/index.html.erb

**Hola Mundo!!**

©Copyright 2019

Versión 2.0

# Revisando el proceso de transformación



# Revisando el proceso de transformación

```
<h1>Indice de la página</h1>

<p>Acabo de modificar el archivo
app/views/pages/index.html.erb</p>

<h2>Hola Mundo!!</h2>

©Copyright <%= Time.now.year %>

<% if Time.now.year >= 2018 %>

    <p> Versión 2.0 </p>

<% else %>

    <p> versión 1.0 </p>

<% end %>
```

## Indice de la página

Acabo de modificar el archivo app/views/pages/index.html.erb

## Hola Mundo!!

©Copyright 2019

Versión 2.0

# Interpretando el log

```
Started GET "/pages/index" for 127.0.0.1 at 2019-01-07 20:25:34 -0300
```

```
Processing by PagesController#index as HTML
```

```
Rendering pages/index.html.erb within layouts/application
```

```
Rendered pages/index.html.erb within layouts/application (0.4ms)
```

```
Completed 200 OK in 671ms (Views: 668.0ms | ActiveRecord: 0.0ms)
```

# Layouts

- Utilizar el layout para modificar múltiples vistas simultáneamente.
- Entender la importancia de la instrucción yield en el layout.

## Competencias

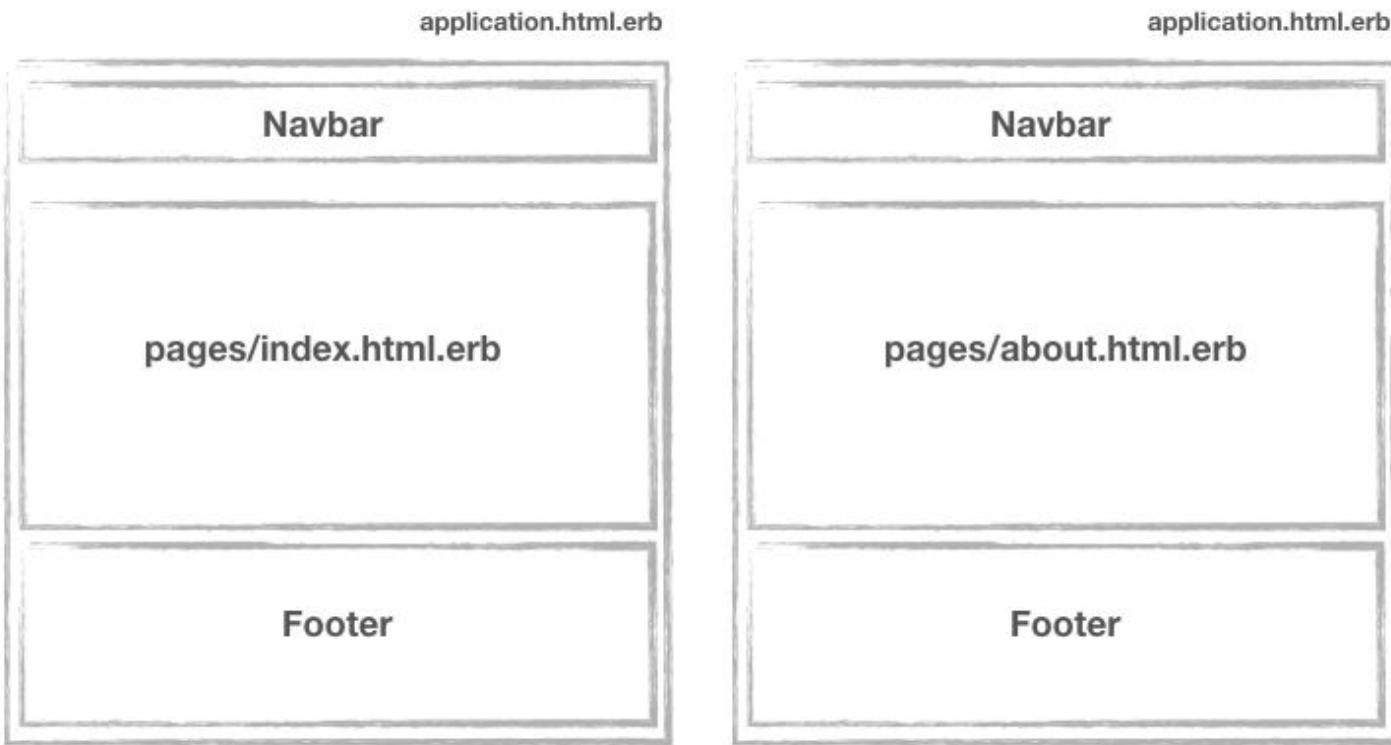
# Layouts

The image displays two side-by-side screenshots of the Facebook desktop interface, highlighting different layout approaches.

**Left Screenshot (Older Layout):** This layout features a top navigation bar with links for "Inicio", "Buscar amigos", "Crear", and a user icon with a notification count of 8. Below this is a main content area titled "Responde a las 7 solicitudes de amistad" (Respond to 7 friend requests). It lists three request items, each with a blue rectangular redaction box, a "Confirmar" button, and an "Eliminar solicitud" button. A red arrow points from the left edge of the screen towards the "Confirmar" button of the top request.

**Right Screenshot (Newer Layout):** This layout has a similar top navigation bar. The main content area includes a "Crear publicación" (Create post) button and a text input field asking "¿Qué estás pensando?" (What are you thinking?). To the left of the input field is a sidebar with links: "Últimas noticias" (Latest news), "Messenger", "Videos en Watch", "Marketplace", "Accesos directos" (Direct links), "Garage Sales F..." (with + de 20 items), "Explorar", "Páginas", and "Grupos". A red arrow points from the left edge of the screen towards the "Crear publicación" button.

# Layouts



# Modificando el layout

```
<!DOCTYPE html>
<html>
  <head>
    <title>Proyecto</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>
    <%= yield %>
  </body>
</html>
```

# Modificando el layout

```
<!DOCTYPE html>
<html>
  <head>
    <title>Proyecto</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>
    <p>Modificando el layout antes</p>
    <%= yield %>
    <p>Modificando el layout despues</p>
  </body>
</html>
```

# Modificando el layout

← → ⌂

ⓘ localhost:3000/pages/about

Modificando el layout antes



## Pages#about

Find me in app/views/pages/about.html.erb

Modificando el layout despues



← → ⌂

ⓘ localhost:3000/pages/index

Modificando el layout antes



## Indice de la página

Acabo de modificar el archivo app/views/pages/index.html.erb

Hola Mundo!!

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Versión 2.0

Modificando el layout despues



# La instrucción yield

```
<!DOCTYPE html>
<html>
  <head>
    <title>Proyecto</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>
    <p>Modificando el layout antes</p>
    <%= yield %>
    <p>Modificando el layout despues</p>
  </body>
</html>
```

← → ⌂ i localhost:3000/pages/index

Modificando el layout antes

## Indice de la página

Acabo de modificar el archivo app/views/pages/index.html.erb

## Hola Mundo!!

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Versión 2.0

Modificando el layout despues

# La instrucción yield

```
<!DOCTYPE html>
<html>
  <head>
    <title>Proyecto</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>
    <p>Modificando el layout antes</p>
    <p>Modificando el layout despues</p>
  </body>
</html>
```

← → C ⓘ localhost:3000/pages/index

Modificando el layout antes

Modificando el layout despues

# Interpretando el log

```
Started GET "/pages/index" for 127.0.0.1 at 2019-01-07 20:25:34 -0300
```

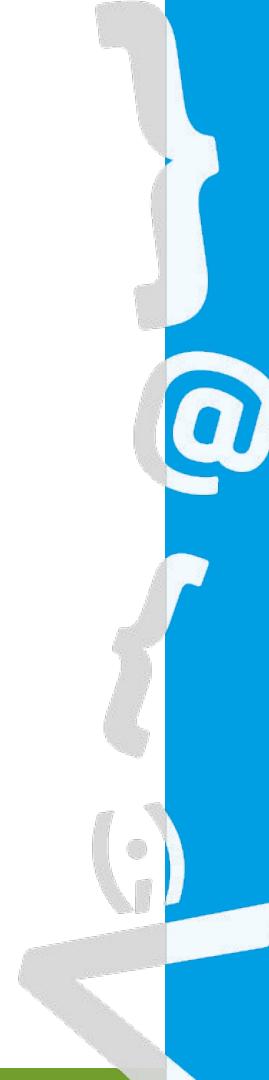
```
Processing by PagesController#index as HTML
```

```
Rendering pages/index.html.erb within layouts/application
```

```
Rendered pages/index.html.erb within layouts/application (0.4ms)
```

```
Completed 200 OK in 671ms (Views: 668.0ms | ActiveRecord: 0.0ms)
```

# Las rutas



## Competencias

- Conocer el archivo de rutas.
- Conocer la relación entre el controlador, la acción y las vistas.
- Definir una página raíz.
- Leer las rutas utilizando rails routes.
- Leer las rutas utilizando la url  
[http://localhost:3000/rails/info/routes.](http://localhost:3000/rails/info/routes)

# Interpretando el log

```
Rails.application.routes.draw do

  get 'pages/index'

  get 'pages/about'

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

end
```

# Convención sobre configuración

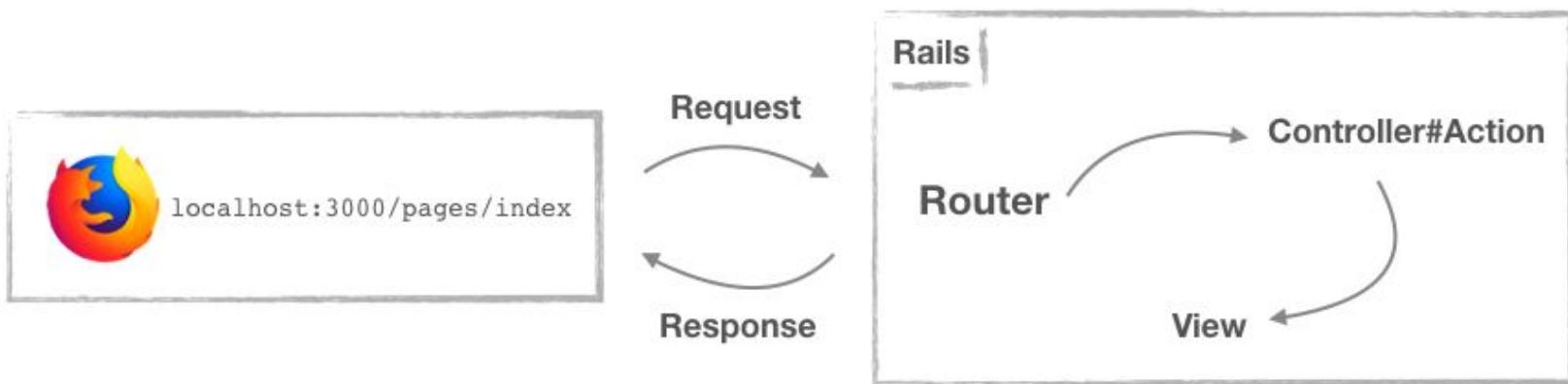
```
Rails.application.routes.draw do  
  get 'users/new'  
end
```

← → ⌂ ⓘ localhost:3000/users/new

Routing Error

uninitialized constant UsersController

# Entendiendo el proceso de enrutamiento



# Entendiendo el proceso de enrutamiento

```
class PagesController < ApplicationController

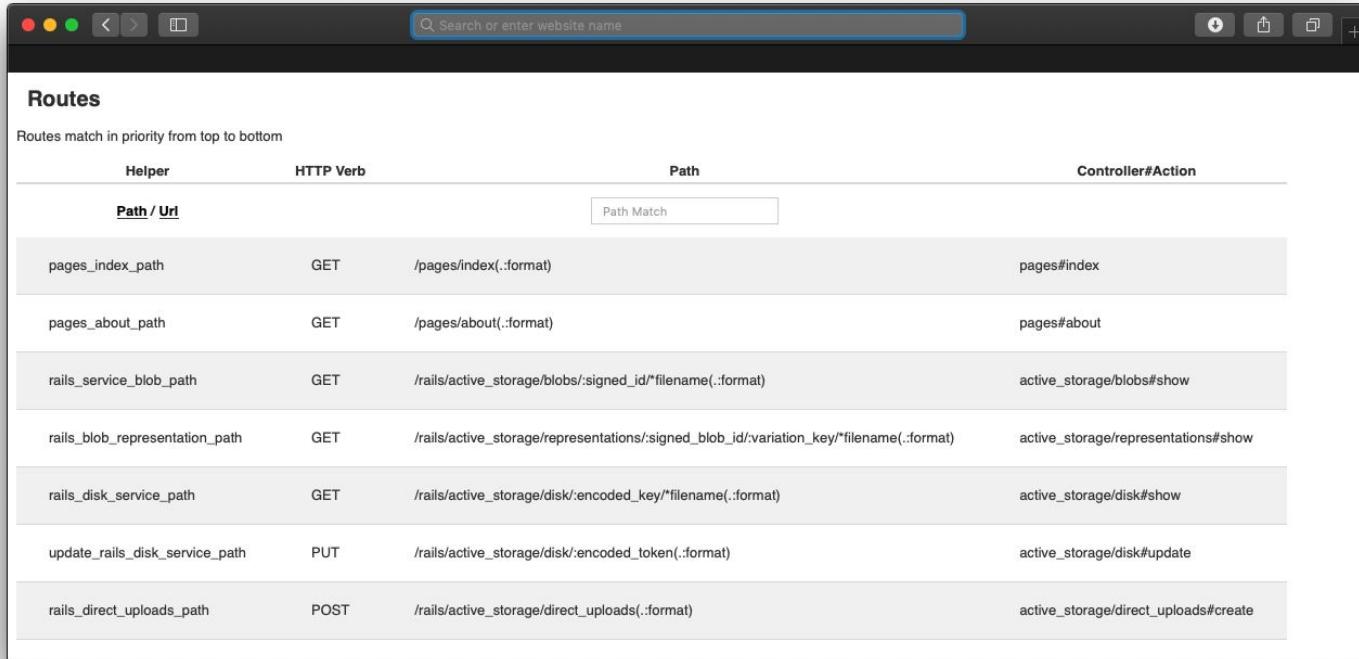
  def index
    end

    def about
    end
  end
```

# Observando las rutas utilizando rails routes

<i>Prefix</i>	<i>Verb</i>	<i>URI Pattern</i>	<i>Controller\#Action</i>
<i>pages_index</i>	<i>GET</i>	<i>/pages/index(.:format)</i>	<i>pages#index</i>
<i>pages_about</i>	<i>GET</i>	<i>/pages/about(.:format)</i>	<i>pages#about</i>

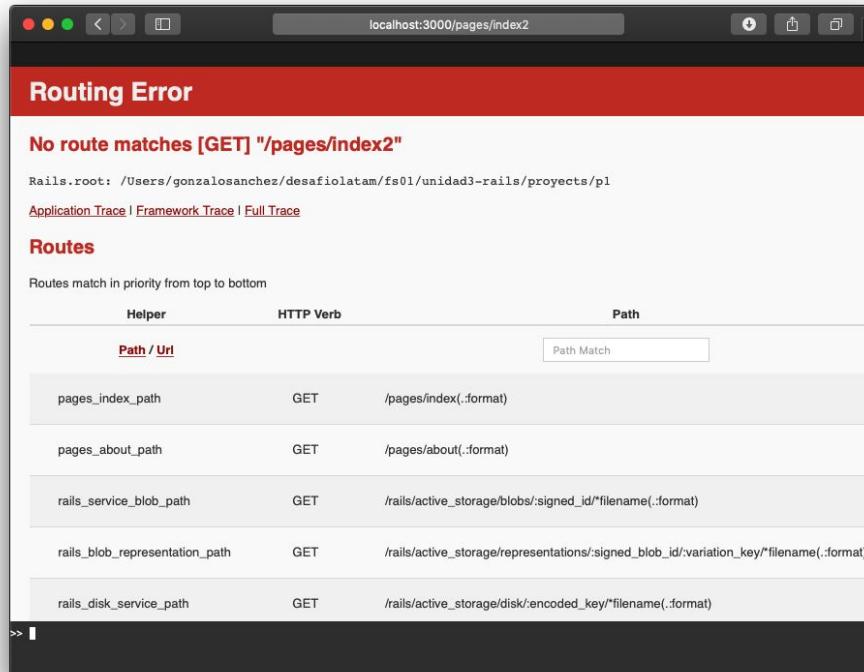
# Observando las rutas en: `http://localhost:3000/rails/info/routes`



The screenshot shows a web browser window with a dark theme. The title bar includes standard OS X icons (red, yellow, green) and a search bar. The main content area is titled "Routes" and contains the following text: "Routes match in priority from top to bottom". Below this is a table with the following columns: "Helper", "HTTP Verb", "Path", and "Controller#Action". The table lists seven routes, each with a "Path / Url" link that highlights "Path Match".

Helper	HTTP Verb	Path	Controller#Action
<u><a href="#">Path / Url</a></u>			
pages_index_path	GET	/pages/index(.:format)	pages#index
pages_about_path	GET	/pages/about(.:format)	pages#about
rails_service_blob_path	GET	/rails/active_storage/blobs/:signed_id/*filename(.:format)	active_storage/blobs#show
rails_blob_representation_path	GET	/rails/active_storage/representations/:signed_blob_id/:variation_key/*filename(.:format)	active_storage/representations#show
rails_disk_service_path	GET	/rails/active_storage/disk/:encoded_key/*filename(.:format)	active_storage/disk#show
update_rails_disk_service_path	PUT	/rails/active_storage/disk/:encoded_token(.:format)	active_storage/disk#update
rails_direct_uploads_path	POST	/rails/active_storage/direct_uploads(.:format)	active_storage/direct_uploads#create

# Observando las rutas entrando a una página no existente



# Agregando navegación

<i>Prefix Verb URI Pattern</i>	<i>Controller\#Action</i>
<i>pages_index GET /pages/index(.:format)</i>	<i>pages#index</i>
<i>pages_about GET /pages/about(.:format)</i>	<i>pages#about</i>

# Agregando navegación

```
<!DOCTYPE html>
<html>
  <head>
    <title>Proyecto</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>
    <%= pages_index_path %>
    <%= pages_index_url %>
    <%= yield %>
  </body>
</html>
```



# Agregando el link

```
<!DOCTYPE html>
<html>
  <head>
    <title>Proyecto</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>
    <%= link_to "index", pages_index_path %><br/>
    <%= link_to "about", pages_about_path %><br/>
    <%= yield %>
  </body>
</html>
```

← → ⌂ ⓘ localhost:3000/pages/about

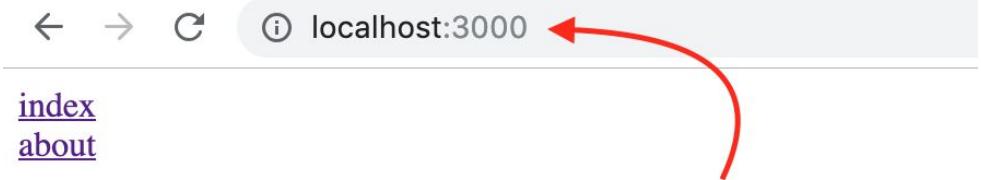
index ←  
about ←

## Pages#about

Find me in app/views/pages/about.html.erb

# Agregando una página principal

```
Rails.application.routes.draw do  
  
  get 'pages/index'  
  
  get 'pages/about'  
  
  root 'pages#index'  
  
end
```



## Indice de la página

Acabo de modificar el archivo app/views/pages/index.html.erb

**Hola Mundo!!**

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Versión 2.0

# Agregando una nueva página manualmente

- Repasar el uso de rutas.
- Agregar una ruta al archivo config/routes.rb.
- Crear un método manualmente dentro de un controlador.
- Crear una vista manualmente.

## Competencias

# Creando la ruta

```
Rails.application.routes.draw do  
  get 'pages/index'  
  get 'pages/about'  
  get 'pages/team'  
  root 'pages#index'  
end
```

localhost:3000/pages/team

## Unknown action

The action 'team' could not be found for PagesController

# El controlador

```
class PagesController < ApplicationController

  def index

  end

  def about

  end

  def team

  end

end
```



A screenshot of a web browser window. The address bar shows "localhost:3000/pages/team". The main content area has a red header bar with the text "ActionController::UnknownFormat in PagesController#team". Below this, a red box highlights the error message: "PagesController#team is missing a template for this request format and variant. request.formats: ['text/html'] respond with 204 No Content: an empty white screen. Since you're loading it in a web browser, we assume the extra-clear. If you expect 204 No Content, carry on. That's what you'll get from an XHR or API request. Give it a shot." A red arrow points from the text "That's what you'll get from an XHR or API request. Give it a shot." down to the extracted source code.

localhost:3000/pages/team

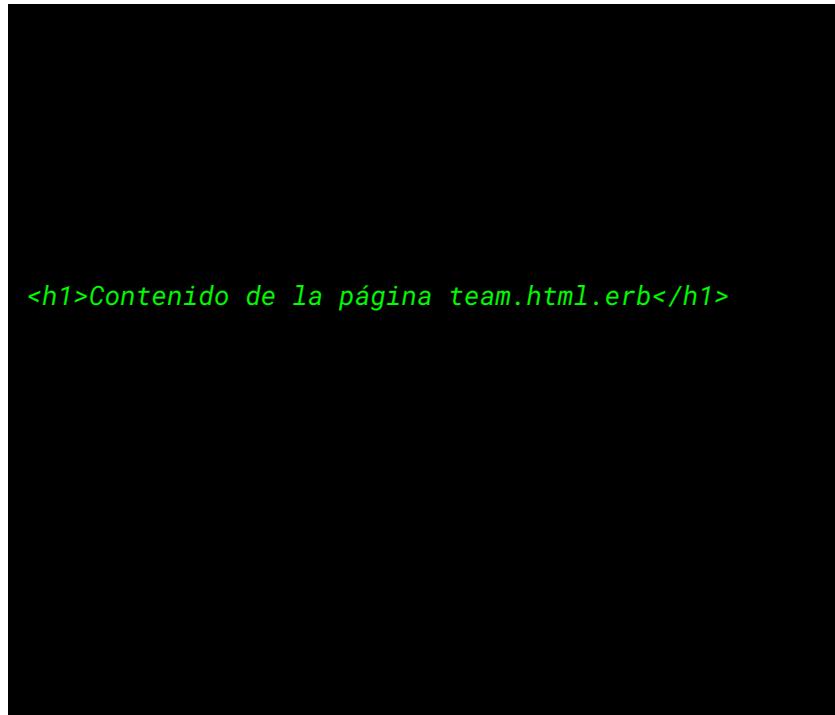
ActionController::UnknownFormat in PagesController#team

PagesController#team is missing a template for this request format and variant. request.formats: ['text/html'] respond with 204 No Content: an empty white screen. Since you're loading it in a web browser, we assume the extra-clear. If you expect 204 No Content, carry on. That's what you'll get from an XHR or API request. Give it a shot.

Extracted source (around line #53):

```
53   "That's what you'll get from an XHR or API request. Give it a shot."
54
55   raise ActionController::UnknownFormat, message
56 else
57   logger.info "No template found for #{self.class.name}\#{action_name}, rendering head :no_content" if logger
58   super
```

# team.html.erb



← → C ⓘ localhost:3000/pages/team

[index](#)  
[about](#)

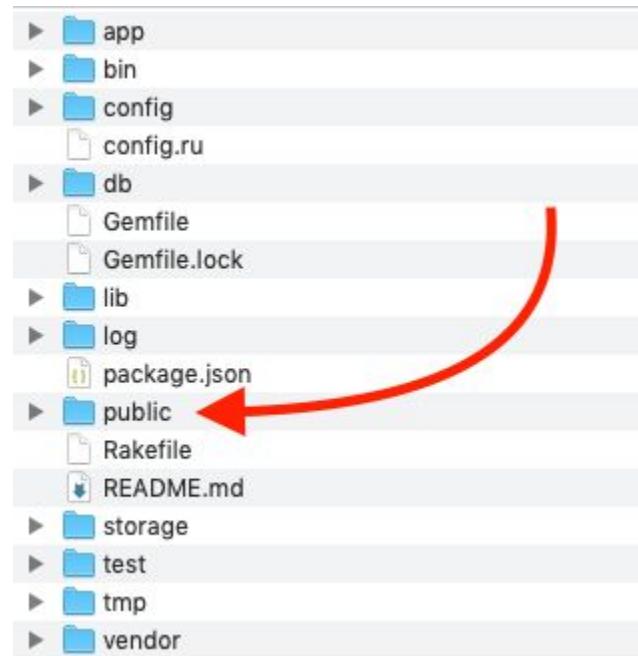
**Contenido de la página team.html.erb**

# Imágenes y el asset path

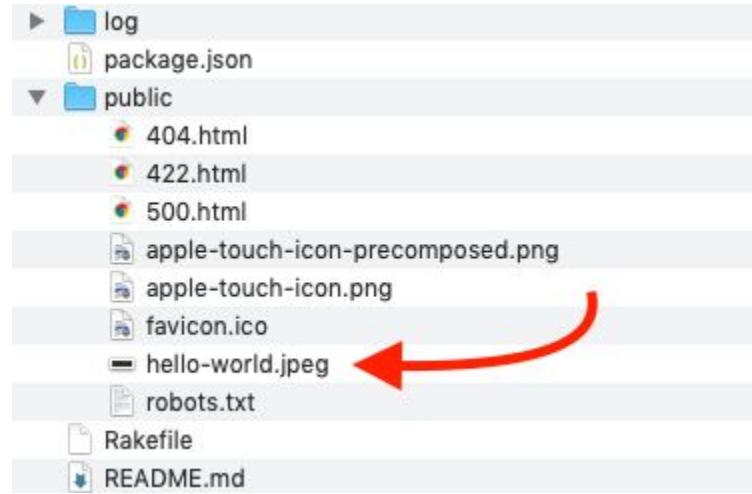
- Agregar imágenes dentro de la vista.
- Utilizar la carpeta public para guardar assets.
- Conocer las ventajas de utilizar el asset\_path.
- Conocer el helper image\_tag.

## Competencias

# Assets



# Assets



# Assets

```
<h1>Contenido de la página team.html.erb</h1>  
  
<image src="/hello-world.jpeg">
```

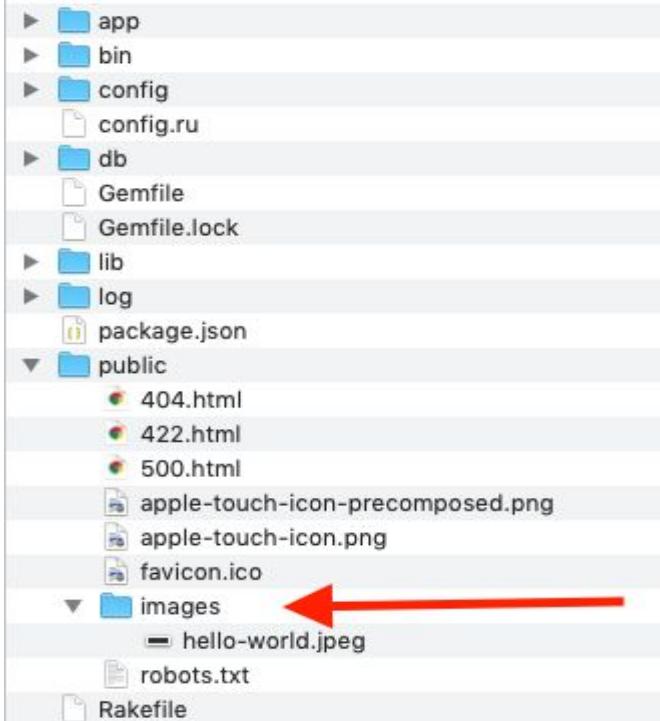
localhost:3000/pages/team

index  
about

Contenido de la página team.html.erb

<Hello World/>

# Subcarpetas



A screenshot of a web browser window displaying the content of the team.html.erb file. The page shows an H1 header with the text "Contenido de la página team.html.erb" and an image tag pointing to /images/hello-world.jpeg. The browser's address bar shows localhost:3000/pages/team.

```
<h1>Contenido de la página team.html.erb</h1>

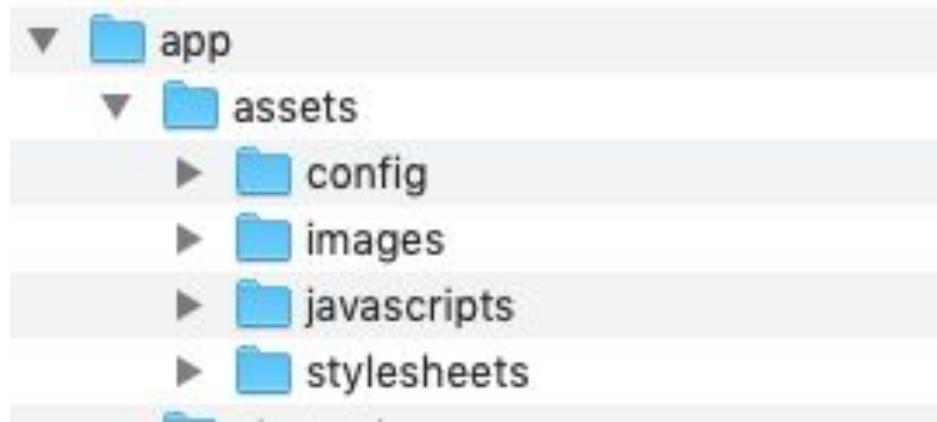
<image src="/images/hello-world.jpeg">
```

A screenshot of a web browser window displaying the content of the team.html.erb file. The page shows an H1 header with the text "Contenido de la página team.html.erb" and an image tag pointing to /images/hello-world.jpeg. The browser's address bar shows localhost:3000/pages/team.

Contenido de la página team.html.erb

```
<Hello World/>
```

# ¿Qué carpetas están en el asset path?



# Agregando una imagen desde el asset path



localhost:3000/pages/team

index  
about

Contenido de la página team.html.erb

<Hello World/>

# Observando el output de image\_tag en el inspector de elementos

```
<br>
<a href="/pages/about">about</a>
<br>
<h1>Contenido de la página team.html.erb</h1>


</html>
```

# Leyendo la documentación de image\_tag

```
image_tag(source, options={}) public
```

Returns an [HTML](#) image tag for the `source`. The `source` can be a full path or a file.

## Options

You can add [HTML](#) attributes using the `options`. The `options` supports two additional keys for convenience and conformance:

- `:alt` - If no alt text is given, the file name part of the `source` is used (capitalized and without the extension)
- `:size` - Supplied as "`{Width}x{Height}`" or "`{Number}`", so "`30x45`" becomes `width="30"` and `height="45"`, and "`50`" becomes `width="50"` and `height="50"`. `:size` will be ignored if the value is not in the correct format.

## Examples

```
image_tag("icon")
# => 
image_tag("icon.png")
# => 
image_tag("icon.png", size: "16x10", alt: "Edit Entry")
# => 
image_tag("/icons/icon.gif", size: "16")
# => 
image_tag("/icons/icon.gif", height: '32', width: '32')
# => 
image_tag("/icons/icon.gif", class: "menu_icon")
# => 
```

# Utilizando image\_tag con opciones

```
<%= image_tag 'hello-world.jpeg', class:"hello", id:"main-bg", alt: "hello photo"%>
```

```
▼<body>
  <a href="/pages/index">index</a>
  <br>
  <a href="/pages/about">about</a>
  <br>
  <h1>Contenido de la página team.html.erb</h1>
  •  == $0
</body>
```



# Revisando la sintaxis

```
def image_tag(source, options={})  
  
    #...  
  
end
```

- image\_tag "foto.png"
- image\_tag "foto.png", {}
- image\_tag "foto.png", {id: "foto1"}
- image\_tag "foto.png", id: "foto1"

# CSS y layout

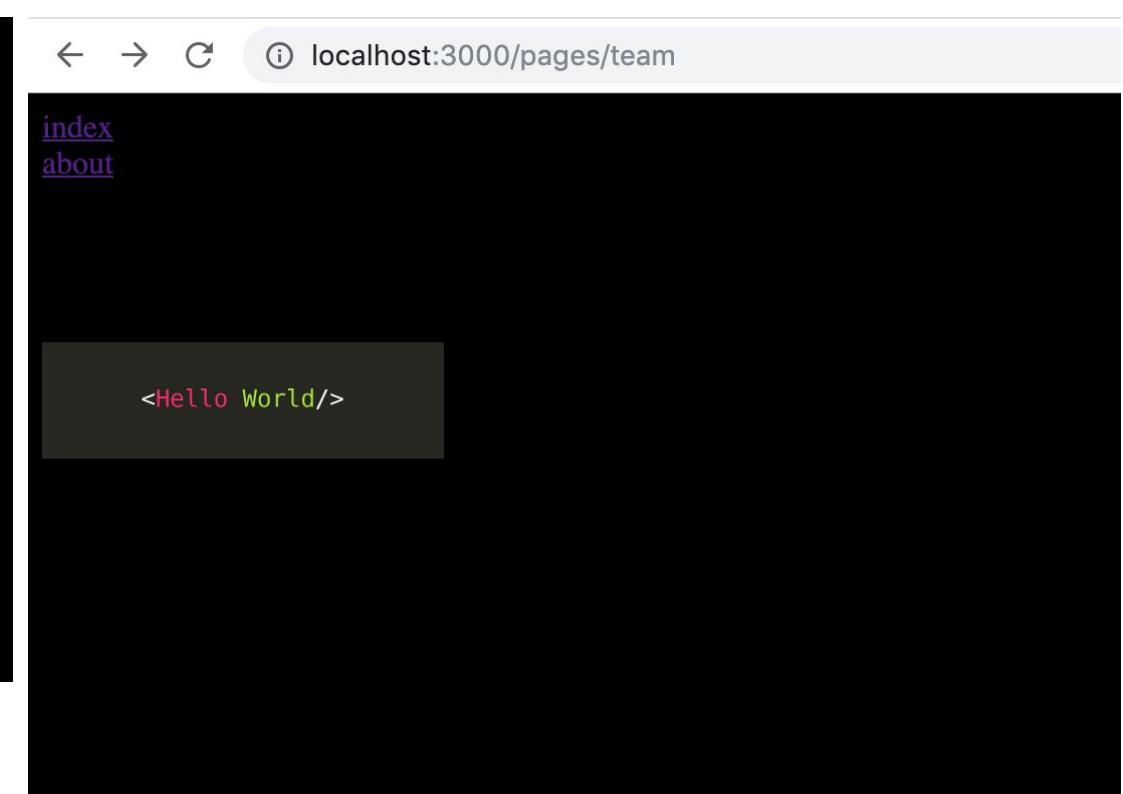
- Invocar CSS desde el layout.
- Conocer las ventajas del asset pipeline.
- Conocer y modificar el manifiesto.
- Conocer el orden de carga de los archivos CSS.
- Comprender las directivas del manifiesto.

## Competencias

# Agregando CSS en el asset\_path

```
body{  
    background: black;  
}  
  
img{  
    max-width: 200px;  
}
```

{desafío}  
latam\_



# ¿Cómo se cargan los archivos CSS?

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

```
*
*= require_tree .
*= require_self
*/
```

# La directiva require

```
/*
 *= require style.css
 */
```

# El orden de las directivas importa

```
/* ...  
  
 *= require reset  
  
 *= require layout  
  
 *= require chrome  
  
 *= require_tree .  
  
 *= require_self  
  
 */
```

# El gemfile

- Conocer el Gemfile.
- Manejar las versiones de las dependencias ocupando el archivo Gemfile.
- Limitar las gemas a entornos específicos.

## Competencias

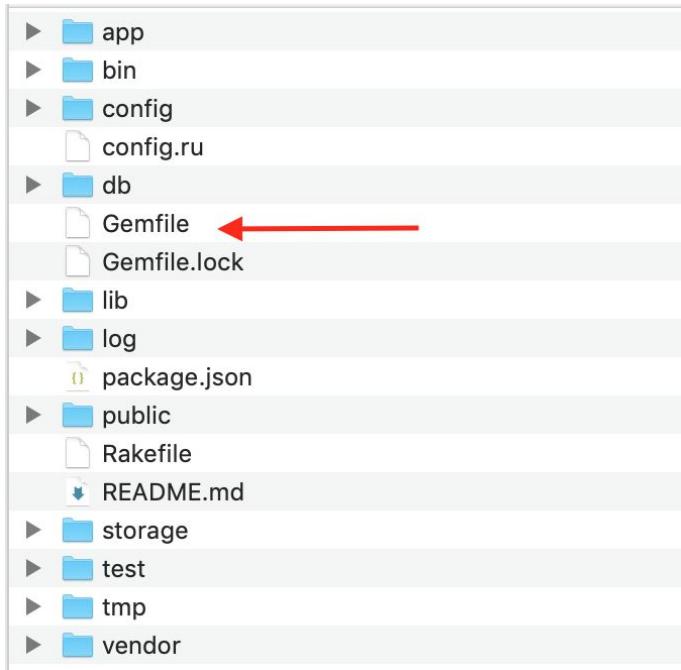
# Las gemas y el Gemfile

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

ruby '2.6.0'

# Bundle edge Rails instead: gem 'rails', github: 'rails/rails'
gem 'rails', '~> 5.2.3'
gem 'sqlite3', group: :development
gem 'pg', group: :production
# 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 'mini_racer', platforms: :ruby
```

# Las gemas y el Gemfile



{desafío}  
latam\_

```
gem install bundler

bundle install

The dependency tzinfo-data (>= 0) will be unused by any of the
platforms Bundler is installing for. Bundler is installing for ruby but
the dependency is only for x86-mingw32, x86-mswin32, x64-mingw32, java.
To add those platforms to the bundle, run `bundle lock --add-platform
x86-mingw32 x86-mswin32 x64-mingw32 java`.

Using rake 12.3.2
Using concurrent-ruby 1.1.5
Using i18n 1.6.0
Using minitest 5.11.3
Using thread_safe 0.3.6
Using tzinfo 1.2.5
U
.
.

Bundle complete! 18 Gemfile dependencies, 79 gems now installed.
Use `bundle info [gemname]` to see where a bundled gem is
installed.
```

# Las gemas y el Gemfile

```
gem 'rails', '5.1.0'
```

```
gem 'sqlite3', group: :development  
gem 'pg', group: :production
```

```
gem 'rack', '>=1.0'
```

```
group :development do  
  gem 'sqlite3'  
end  
  
group :production do  
  gem 'pg'  
end
```

```
gem 'thin', '~>1.1'
```

# Subiendo una aplicación a heroku

- Conocer heroku.
- Subir una aplicación a heroku.
- Usar comandos típicos de heroku.

## Competencias

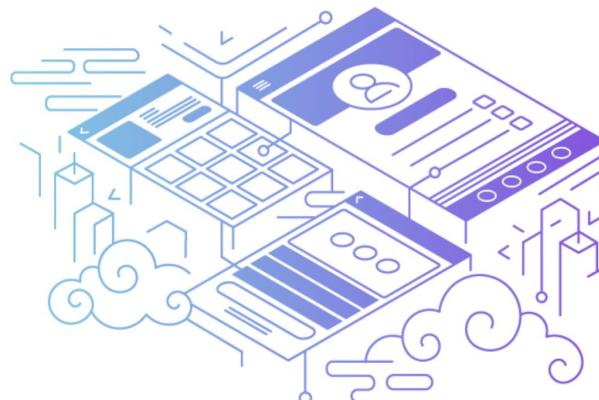
# Heroku

← → C Heroku, Inc. [US] | https://www.heroku.com

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# Instalando Heroku Cli

## Download and install



The Heroku CLI requires Git, the popular version control system. If you don't already have Git installed, complete the following before installing the CLI:

- [Git installation](#)
- [First-time Git setup](#)



[Download the installer](#)

Also available via Homebrew:

```
$ brew tap heroku/brew && brew install heroku
```



Download the appropriate installer for your Windows installation:

[64-bit installer](#)

[32-bit installer](#)



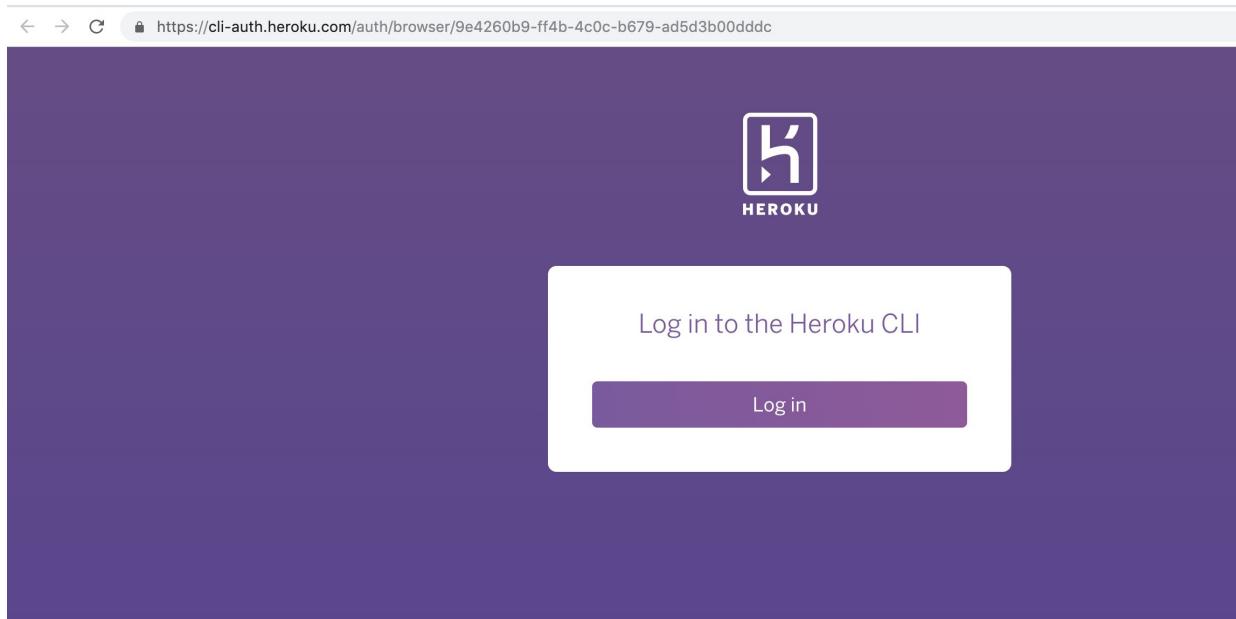
Run the following from your terminal:

```
$ sudo snap install --classic heroku
```

Snap is available on other Linux OS's as well.

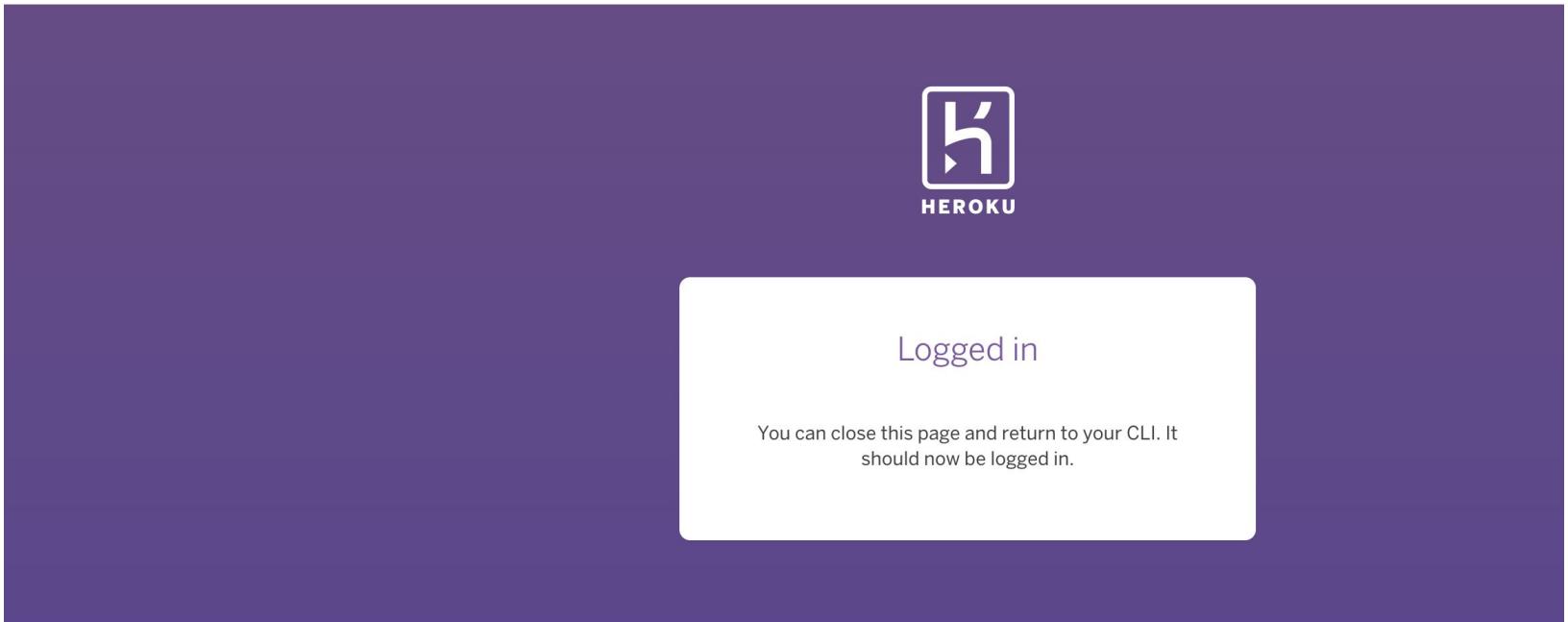
# Login desde terminal

```
[→ proyecto git:(master) ✘ heroku login  
heroku: Press any key to open up the browser to login or q to exit: █
```



# Login desde terminal

← → ⌂ https://cli-auth.herokuapp.com/auth/heroku/callback?code=7b134dfb-00ab-4d77-bde0-5c1d88452e22&state=9e4260b9-ff4b-4c0c-b679-ad5d3b00dddc



# Login desde terminal

```
→ proyecto git:(master) ✘ heroku login
heroku: Press any key to open up the browser to login or q to exit:
Opening browser to https://cli-auth.heroku.com/auth/browser/9e4260b9-ff4b-4c0c-b679-ad5d3b00dddc
Logging in... done
Logged in as [REDACTED]@gmail.com
```

# Heroku create

```
[→ proyecto git:(master) ✘ heroku create  
Creating app... done, ⬤ immense-bayou-40721  
https://immense-bayou-40721.herokuapp.com/ | https://git.heroku.com/immense-bayou-40721.git
```

# Subiendo la aplicación

```
 proyecto git:(master) ✘ git remote
```

```
bundle  
git add .  
git commit -m "First commit to push to heroku"  
git push heroku master
```

# Possible error al subir la aplicación

```
remote:          /tmp/build_68ee77b8853a2322898a82a25db1940c/vendor/bundle/ruby/2.6.0/extensions/x86_64-linux/2.6.0/sqlite3-1.4.0/mkmf.log
remote: extconf failed, exit code 1
remote: Gem files will remain installed in
remote: /tmp/build_68ee77b8853a2322898a82a25db1940c/vendor/bundle/ruby/2.6.0/gems/sqlite3-1.4.0
remote: for inspection.
remote: Results logged to
remote: /tmp/build_68ee77b8853a2322898a82a25db1940c/vendor/bundle/ruby/2.6.0/extensions/x86_64-linux/2.6.0/sqlite3-1.4.0/gem_make.out
remote:
remote: An error occurred while installing sqlite3 (1.4.0), and Bundler cannot continue.
remote: Make sure that `gem install sqlite3 -v '1.4.0' --source 'https://rubygems.org/'` succeeds before bundling.
remote:
remote: In Gemfile:
remote:   sqlite3
remote:
remote: !
remote: !     Failed to install gems via Bundler.
remote: !     Detected sqlite3 gem which is not supported on Heroku:
remote: !     https://devcenter.heroku.com/articles/sqlite3
remote: !
remote: !     Push rejected, failed to compile Ruby app.
remote:
remote: !
remote: !     Push failed
remote: Verifying deploy...
remote:
remote: !
remote: !     Push rejected to immense-bayou-40721.
remote:
To https://git.heroku.com/immense-bayou-40721.git
 ! [remote rejected] master -> master (pre-receive hook declined)
error: failed to push some refs to 'https://git.heroku.com/immense-bayou-40721.git'
```

# Possible error al subir la aplicación

```
gem 'sqlite3', group: :development  
gem 'pg', group: :production
```

```
bundle  
git add .  
git commit -m "Change sqlite3 to pg"  
git push heroku master
```

```
remote:        https://immense-bayou-40721.herokuapp.com/ deployed to Heroku  
remote:  
remote: Verifying deploy... done.  
To https://git.heroku.com/immense-bayou-40721.git  
 * [new branch]      master -> master
```

# Claves SSH

```
> ls ~/.ssh  
> ssh-keygen -t rsa  
> heroku keys:add
```

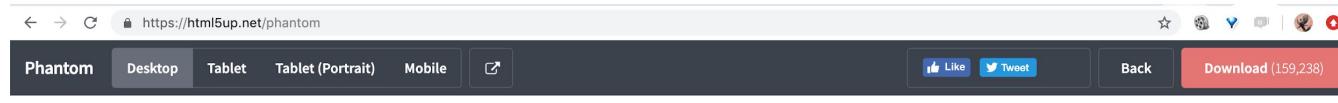
# Integrar una plantilla a nuestro proyecto

- Integrar una plantilla a nuestro proyecto.



Competencias

# Buscando una plantilla



**This is Phantom, a free, fully responsive site template designed by HTML5 UP.**

Etiam quis viverra lorem, in semper lorem. Sed nisl arcu euismod sit amet nisi euismod sed cursus arcu elementum ipsum arcu vivamus quis venenatis orci lorem ipsum et magna feugiat veroeros aliquam. Lorem ipsum dolor sit amet nullam dolore.



# Descargando e integrando

html5up-phantom		--
	README.txt	861 bytes
	generic.html	5 KB
▶	images	--
	LICENSE.txt	17 KB
	index.html	9 KB
▼	assets	--
▶	css	---
▶	sass	---
▶	js	---
▶	fonts	---
	elements.html	19 KB
	html5up-phantom.zip	792 KB

app		--
▼	assets	--
▶	config	
▼	images	
	hello-world.jpeg	
▼	javascripts	
	application.js	
	breakpoints.min.js	
	browser.min.js	
	cable.js	
▶	channels	
	jquery.min.js	
	main.js	
	pages.coffee	
	util.js	
▼	stylesheets	
	# application.css	
	# font-awesome.min.css	
	# main.css	
	# noscript.css	
	# pages.scss	

# Editando el layout

▼	html5up-phantom	--
	README.txt	861 bytes
	generic.html	5 KB
▶	images	--
	LICENSE.txt	17 KB
	index.html	9 KB
▼	assets	--
	css	--
	# font-awesome.min.css	31 KB
	# noscript.css	292 bytes
	# main.css	59 KB
▶	sass	--

```
<html>
  <head>
    <title>Phantom by HTML5 UP</title>
    <meta charset="utf-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1, user-scalable=no" />
    <link rel="stylesheet" href="assets/css/main.css" />
    <noscript><link rel="stylesheet" href="assets/css/noscript.css" /></noscript>
  </head>
  <body class="is-preload">
    <!-- Wrapper -->
    <div id="wrapper">

      <!-- Header -->
      <header id="header">...</header>

      <!-- Menu -->
      <nav id="menu">
        <h2>Menu</h2>
        <ul>...
        </ul>
      </nav>

      <!-- Main -->
      <div id="main">
        <div class="inner">...
        </div>
      </div>

      <!-- Footer -->
      <footer id="footer">...</footer>

    </div>

    <!-- Scripts -->
    <script src="assets/js/jquery.min.js"></script>
    <script src="assets/js/browser.min.js"></script>
    <script src="assets/js/breakpoints.min.js"></script>
    <script src="assets/js/util.js"></script>
    <script src="assets/js/main.js"></script>

  </body>
</html>
```

# Editando el layout

```
<!DOCTYPE html>
<html>
  <head>
    <title>Proyecto</title>
    <%= csrf_meta_tags %>
    <%= csp_meta_tag %>
    <%= stylesheet_link_tag 'application', media: 'all',
'data-turbolinks-track': 'reload' %>
  </head>
  <body class="is-preload">
    <!-- Wrapper -->
    <div id="wrapper">
      <!-- Header -->
      <header id="header">
        <div class="inner">
          <!-- Nav -->
          <nav>
            <ul>
              <li><a href="#menu">Menu</a></li>
            </ul>
          </nav>
        </div>
      </header>
      <!-- Menu -->
      <nav id="menu">
        <h2>Menu</h2>
        <ul>
          <li><%= link_to "Inicio",
pages_index_path%></li>
          <li><%= link_to "About", pages_about_path%></li>
        </ul>
      </nav>
```

```
    <!-- Main -->
    <div id="main">
      <div class="inner">
        <%= yield %>
      </div>
    </div>
    <!-- Footer -->
    <footer id="footer">
      <div class="inner">
        <ul class="copyright">
          <li>&copy; Untitled. All rights reserved</li><li>Design: <a href="http://html5up.net">HTML5 UP</a>
        </li>
      </ul>
    </div>
  </footer>
</body>
<%= javascript_include_tag 'application' %>
</html>
```

# Editando el layout

A screenshot of a web browser window displaying a page with a sidebar menu. The main content area shows the title "Indice de la página" and some placeholder text. The sidebar on the right is titled "MENU" and contains links to "Inicio" and "About".

Indice de la página

Acabo de modificar el archivo app/views/pages/index.html.erb

H O L A M U N D O !!

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localhost:3000/pages/index

# Subiendo los cambios

```
git add .
git commit -m "Change layout style"
git push heroku master
```

*{desafío}*  
**latam\_**

*Academia de  
talentos digitales*

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