Ruby on Rails

Debugging

Overview

- Revisión de errores en producción
- Revisión de errores en desarrollo
- Web console

```ruby
34
35    # Use ActiveModel has_secure_password
36    # gem 'bcrypt', '~> 3.1.7'
37
38    # Use unicorn as the app server
39    # gem 'unicorn'
40
41    # Use Capistrano for deployment
42    # gem 'capistrano', group: :development
43
44    # Use debugger
45    # gem 'debugger', group: [:development, :test]
46    gem 'httparty', '0.14.0'
47
48    group :development, :test do
49      gem 'byebug'
50      gem 'web-console', '~>2.0'
51      gem 'spring'
52    end
53
```

Errores en producción

We're sorry, but something went wrong.

If you are the application owner check the logs for more information.

Desarrollo

localhost:3000/recipes/search?text=nil

NoMethodError in Recipes#search

Showing /home/vanessa/git/capacitaciones/ruby-on-rails-intro/modulo-3/sources/my_first_app/app/views/recipes/search.html.erb where line #9 raised:

undefined method `each' for nil:NilClass

Extracted source (around line #9):

```
6          <th>Publisher</th>
7          <th>Title</th>
8        </tr>
9        <% @recipes.each do |recipe| %>
10         <tr class=<%= cycle('even', 'odd') %>>
11           <td><%= image_tag(recipe["image_url"])%></td>
12           <td><%= recipe['publisher'] %></td>
```

Rails.root: /home/vanessa/git/capacitaciones/ruby-on-rails-intro/modulo-3/sources/my_first_app

Application Trace | Framework Trace | Full Trace

app/views/recipes/search.html.erb:9:in `_app_views_recipes_search_html_erb___665336742861853937_47384351988980'

Request

Parameters:

>>

Acceso a variables

Rails.root: /home/vanessa/git/capacitaciones/ruby-on

Application Trace | Framework Trace | Full Trace

app/views/recipes/search.html.erb:9:in `_app_views_recipes_sea

Request

Parameters:

```
>> @recipes.nil?
=> true
>> params[:text].nil?
=> false
>> params[:text]
=> "nil"
>>
```

Corrección del "error"

```erb
<h1>Buscando recetas con: <%= params[:text] %></h1>
<% if @recipes.nil? %>
  No se encontraron recetas.
<%else%>
  <table border="1">
    <tr>
      <th>Imagen</th>
      <th>Publisher</th>
      <th>Title</th>
    </tr>
    <% @recipes.each do |recipe| %>
      <tr class=<%= cycle('even', 'odd') %>>
        <td><%= image_tag(recipe["image_url"])%></td>
        <td><%= recipe['publisher'] %></td>
        <td><%= recipe['title'] %></td>
      </tr>
    <% end %>
  </table>
<%end%>
```

Buscando recetas con: nil

No se encontraron recetas.

Byebug

`gem` `v9.0.6` `code climate` `3.9` `coverage` `94%` `tips` `$0.45/week` `IRC (gitter)` `devs & users`

Byebug is a simple to use, feature rich debugger for Ruby 2. It uses the new TracePoint API for execution control and the new Debug Inspector API for call stack navigation, so it doesn't depend on internal core sources. It's developed as a C extension, so it's fast. And it has a full test suite so it's reliable.

It allows you to see what is going on *inside* a Ruby program while it executes and offers many of the traditional debugging features such as:

- Stepping: Running your program one line at a time.
- Breaking: Pausing the program at some event or specified instruction, to examine the current state.
- Evaluating: Basic REPL functionality, although pry does a better job at that.
- Tracking: Keeping track of the different values of your variables or the different lines executed by your program.