Ruby on Rails

Introducción a Active Record

Overview

- Cómo hacer scaffold de recursos rápidamente
- Qué provee el scaffolding de Rails

Scaffolding

- Esencialmente es un generador de código para entidades
- Genera un prototipo simple sobre el cual se puede trabajar.
- Permite estar up-and-running rápidamente.

Generador scaffolding

```
→  fancy_cars git:(master) ✗ rails g scaffold car make color year:integer
                active_record
      create      db/migrate/20161112015033_create_cars.rb
      create      app/models/car.rb
                test_unit
      create        test/models/car_test.rb
      create        test/fixtures/cars.yml
                resource_route
       route      resources :cars
                scaffold_controller
      create      app/controllers/cars_controller.rb
                erb
      create        app/views/cars
      create        app/views/cars/index.html.erb
      create        app/views/cars/edit.html.erb
      create        app/views/cars/show.html.erb
      create        app/views/cars/new.html.erb
      create        app/views/cars/_form.html.erb
                test_unit
      create        test/controllers/cars_controller_test.rb
                helper
      create        app/helpers/cars_helper.rb
                test_unit
      create          test/helpers/cars_helper_test.rb
                jbuilder
      create        app/views/cars/index.json.jbuilder
      create        app/views/cars/show.json.jbuilder
                assets
                coffee
      create        app/assets/javascripts/cars.js.coffee
                scss
      create        app/assets/stylesheets/cars.css.scss
                scss
    identical     app/assets/stylesheets/scaffolds.css.scss
```

rails new fancy_car

Nombres de columnas y tipos de datos.

Se asume String por defecto.

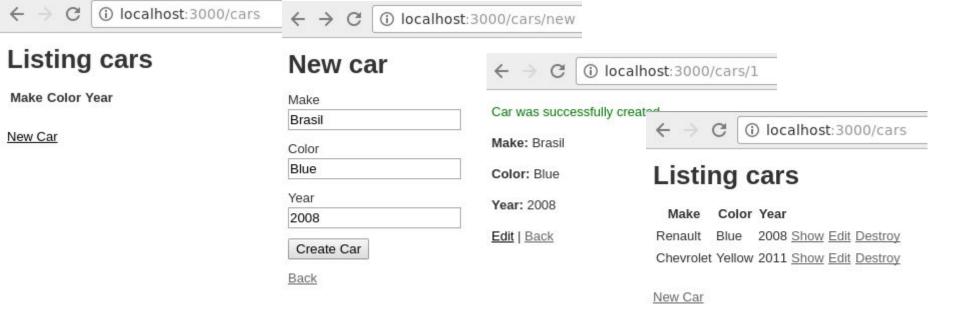Resource

Aplicando el scaffolding a la BD

```
→ fancy_cars git:(master) ✗ rake db:migrate
== 20161112015033 CreateCars: migrating ======================================
-- create_table(:cars)
   -> 0.0009s
== 20161112015033 CreateCars: migrated (0.0010s) =============================
```

migrate es una tarea de **rake**

generate scaffold es una tarea de **rails**

Aplica cambios a la base de datos

Scaffolding Demo

rails s / rails server

Scaffolding API

```json
[
  {
    "id": 1,
    "make": "Renault",
    "color": "Blue",
    "year": 2008,
    "url": "http://localhost:3000/cars/1.json"
  },
  {
    "id": 2,
    "make": "Chevrolet",
    "color": "Yellow",
    "year": 2011,
    "url": "http://localhost:3000/cars/2.json"
  }
]
```

GET http://localhost:3000/cars.json

Authorization Headers Body Pre-request Script Tests

Type No Auth

Body Cookies Headers (13) Tests

Pretty Raw Preview JSON

http://localhost:3000/

Scaffolding / Partes de la magia

- Migration
- Model
- Routes
- Controller with actions
- Views

Estaremos discutiendo estos temas!

Entonces...

- El scaffolding nos permite tener nuestra aplicación corriendo rápidamente.
- Genera un JSON Response