



Ruby conoce a la WEB

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/jvelezpo

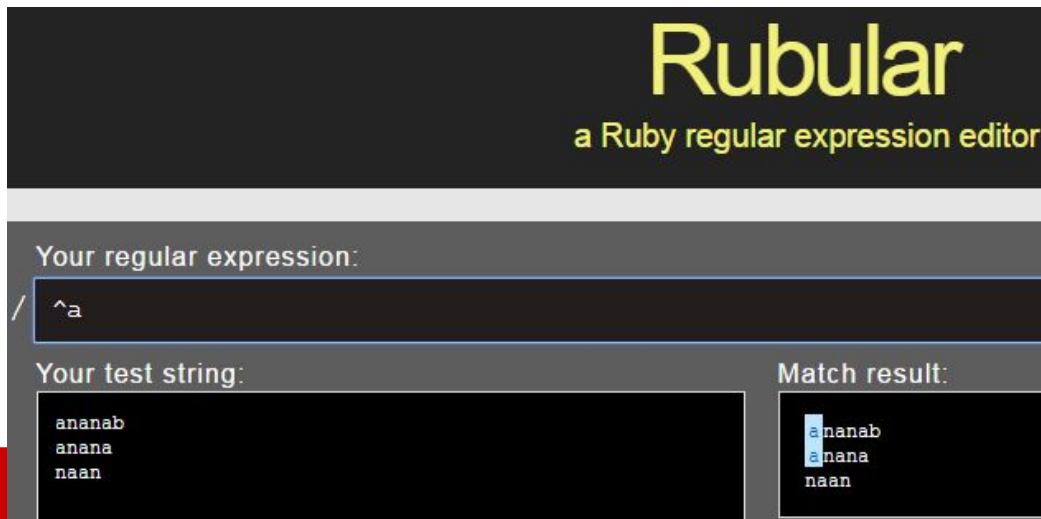


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“Expression orientation”

```
fruits = ['banana', 'anana', 'naan'].map do |food|  
  food.reverse  
end  
# ["ananab", "anana", "naan"]  
  
puts fruits.select { |f| f.match /^a/ }  
# ananab anana
```

<http://www.rubular.com/>



The screenshot shows the Rubular website, which is a Ruby regular expression editor. The header features the "Rubular" logo in yellow and the tagline "a Ruby regular expression editor" in white. Below the header, there are two main input sections: "Your regular expression:" and "Your test string:". The regular expression input field contains the pattern `/^a`. The test string input field contains the text `ananab`, `anana`, and `naan` on separate lines. To the right of the test string input is a "Match result:" section. This section displays the results of the search, with the first two lines, `ananab` and `anana`, highlighted in blue to indicate they match the pattern, while the third line, `naan`, is not highlighted.

Rubular
a Ruby regular expression editor

Your regular expression:
`/^a`

Your test string:
`ananab`
`anana`
`naan`

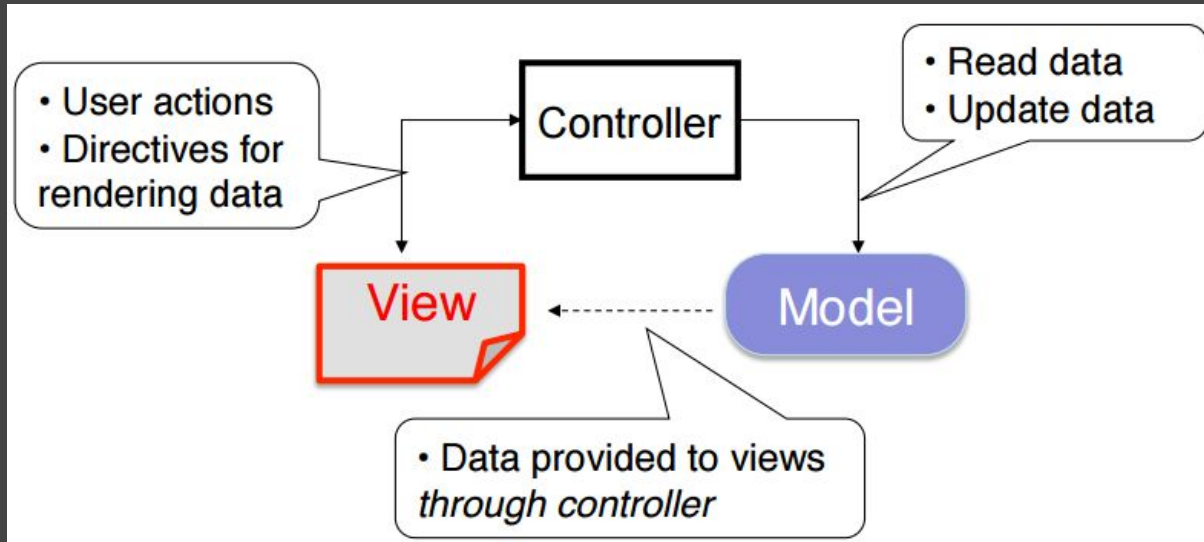
Match result:
`ananab`
`anana`
`naan`

Temario

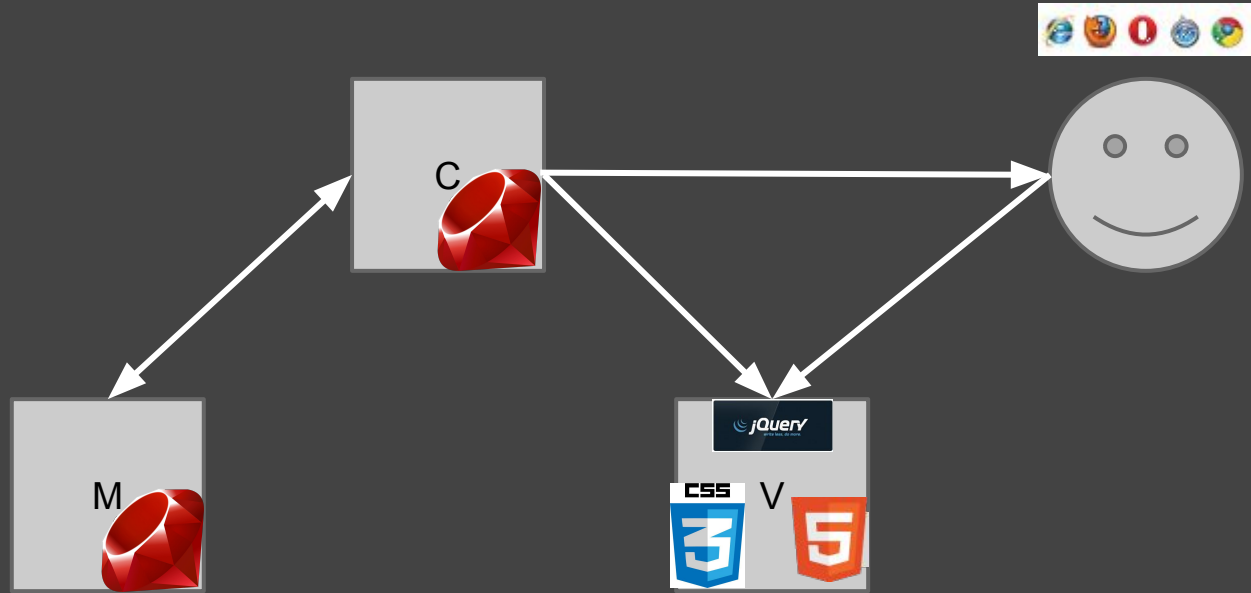
1. MVC
2. REST
3. Routes
4. Gemfile
5. Estructura de una app simple

The MVC Design Pattern

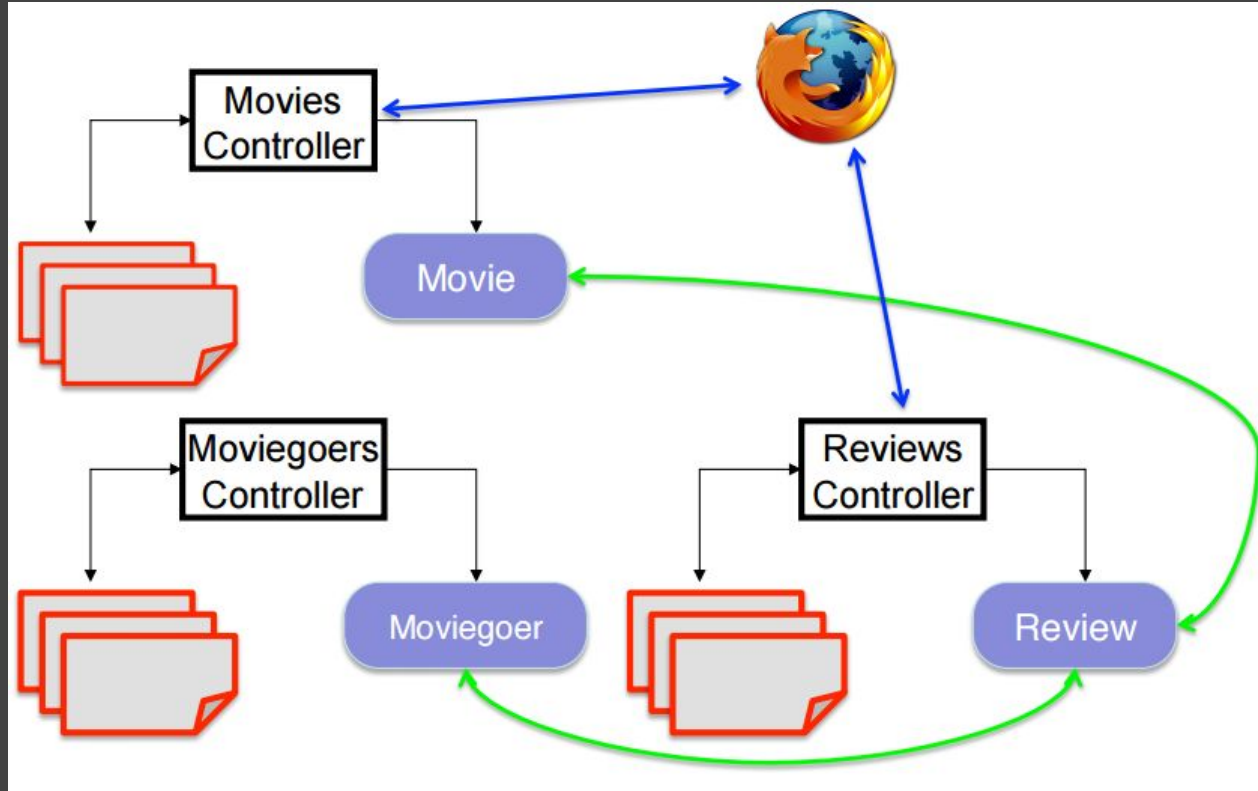
- Goal: separate organization of data (model) from UI & presentation (view) by introducing controller
 - mediates user actions requesting access to data
 - presents data for rendering by the view
- Web apps may seem “obviously” MVC by design, but other alternatives are possible...



MC, donde está la V?

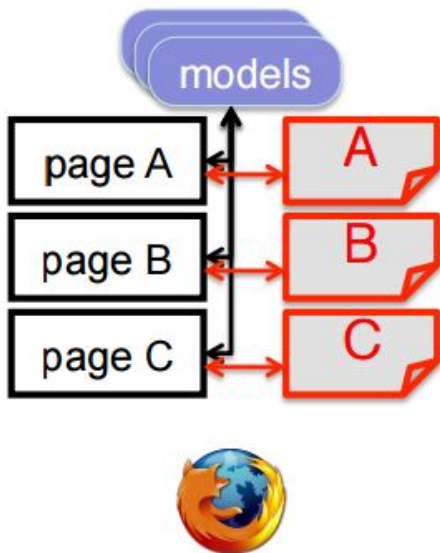


Each entity has a model, controller, & set of views

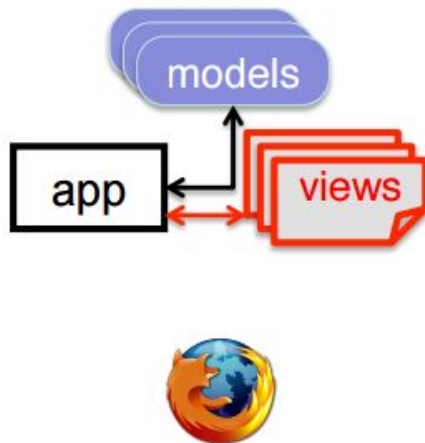


Alternatives to MVC

Page Controller
(Ruby Sinatra)



Front Controller
(J2EE servlet)



Template View
(PHP)



Question

Which statement is **NOT** true about the Model-View-Controller (MVC) architectural pattern:

All MVC apps have both a “client” part (e.g. Web browser) and a “cloud” part (e.g. Rails app on cloud).

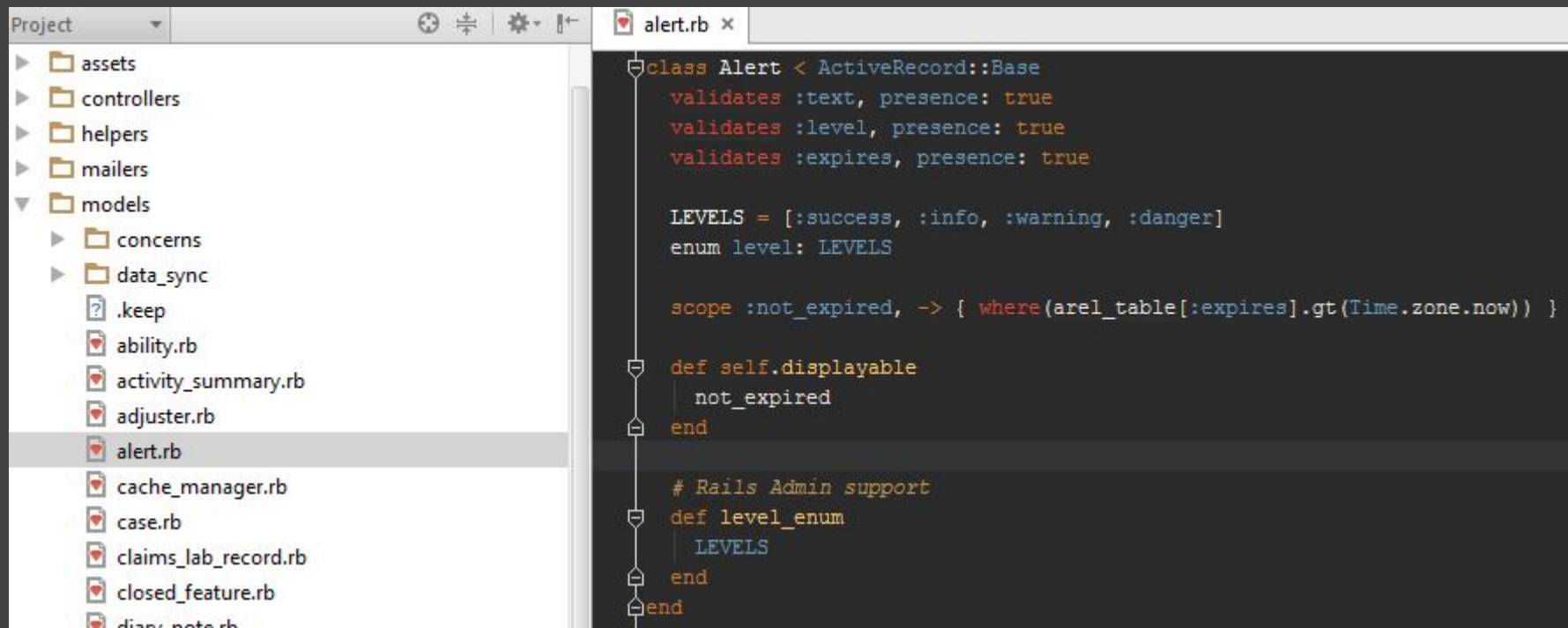
Model-View-Controller is just one of several possible ways to structure a app.

Peer-to-peer apps (vs. client-server apps) can be structured as Model-View-Controller.

Apps on the Web, controller actions and view contents are transmitted using HTTP.

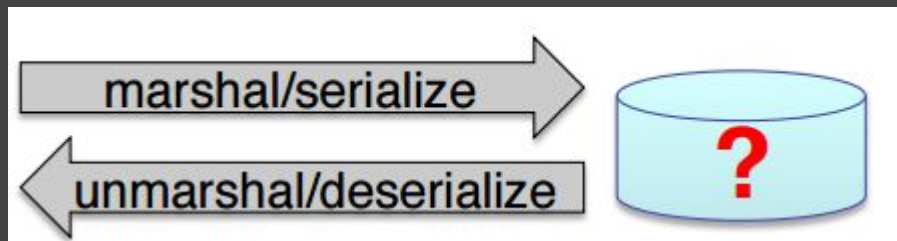
MC, donde está la V?

Modelo



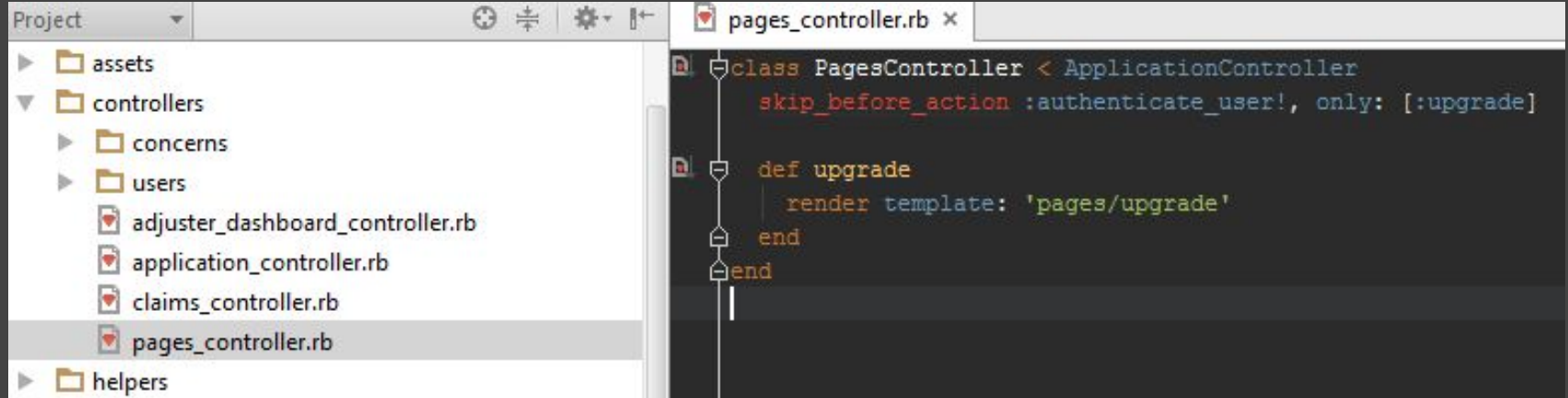
In-Memory vs. In-Storage objects

- How to represent persisted object in storage
 - Example: Movie with name & rating attributes
- Basic operations on object: CRUD (Create, Read, Update, Delete)
- ActiveRecord: every model knows how to CRUD itself, using common mechanisms



MC, donde está la V?

Controlador



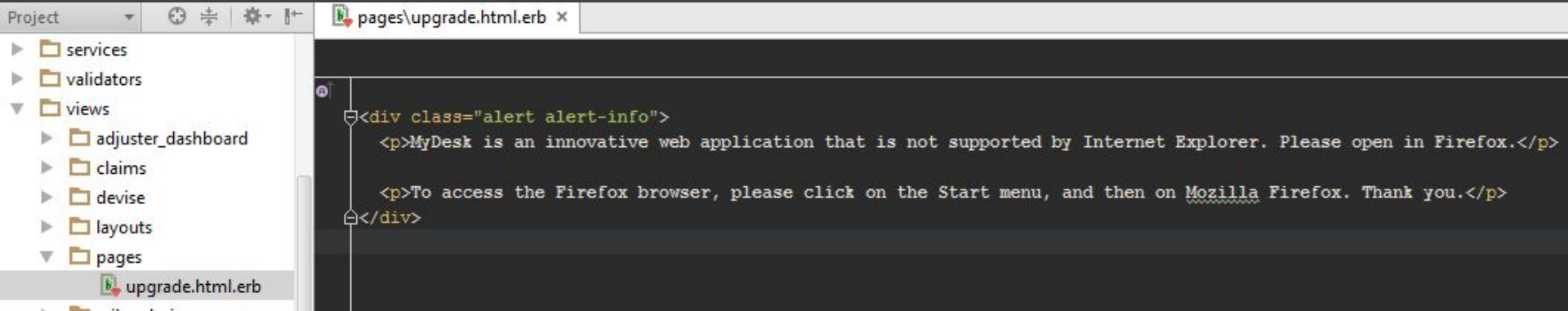
MC, donde está la V?

Vista?

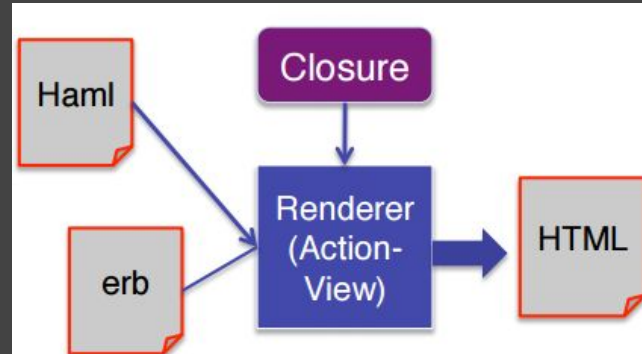


```
1. ruby control.rb (ruby)
→ Archivos ruby control.rb
NOMINA
***
Empleados
1. Listar Empleados
2. Buscar Empleado
3. Crear Empleado
4. Eliminar Empleado
5. Actualizar Empleado
-----
Pagos
6. Listar Pagos
7. Buscar Pago
8. Eliminar Pago
-----
** Para salir ingrese 'exit'
```

MC, donde está la V?



View:
Template View pattern



Don't put code in your views

- Syntactically, you can put any code in view
- MVC advocates **thin** views & controllers
- Helpers (methods that “prettify” objects for including in views) have their own place in Rails app

REST

REST (Representational State Transfer)—R. Fielding, 2000

Idea: URI names resource, not page or action

Homework, read about REST

Routes

- In MVC, each interaction the user can do is handled by a controller action
 - Ruby method that handles that interaction
- A route maps <HTTP method, URI> to controller action

Route	Action
GET /movies/3	Show info about movie whose ID=3
POST /movies	Create new movie from attached form data
PUT /movies/5	Update movie ID 5 from attached form data
DELETE /movies/5	Delete movie whose ID=5

Bundler & Gemfile



Administración de librerías por proyectos

<http://bundler.io/>

```
1. rubenespinosaroldan@MacbookP  
→ Quinta Sesión  gem install bundler_
```

Gemfile



Gemfile - /Users/rubenespinosaroldan/Documents/Projects/Ruby/Capacitacion/Quinta Sesión/Web

```
1 ruby '2.1.2'
2 source 'https://rubygems.org'
3
4 gem 'sinatra'
5 gem 'rack-flash3'
6
```

Gemfile 1,1 Ruby master +2 Send Feedback 1