



Ruby on Rails

¿Qué es?



Un framework Web para desarrollo **ágil**
enfocado en la **productividad**

¿Cómo lo logra?



Convención sobre
configuración



Arquitectura sólida
siguiendo MVC



Un lenguaje dinámico
y flexible

```
say = "I love Ruby"  
puts say # "I love Ruby"
```

```
say['love'] = "*love*"  
puts say.upcase # "I *LOVE* RUBY"
```

```
5.times { puts say }
```

```
say = "I love Ruby"  
say.class # String
```

```
say = 8  
say.class # Fixnum
```

```
"Hola" + say # Error
```

TypeError: no implicit conversion of **Fixnum** into **String**

para_nombrar_variables

se_usa_snake_case

enVezDeCamelCase

```
def hola(nombre)  
  “Hola #{nombre}”  
end
```

```
hola “Germán”
```

```
arr = [1, 2, 3, 4]
```

```
arr.each do |elem|  
  puts elem  
end
```



```
hash = {  
  "one" => "uno",  
  "two" => "dos",  
  "three" => "tres"  
}
```

```
hash["one"] # "uno"  
hash["one"] = "ugh"
```

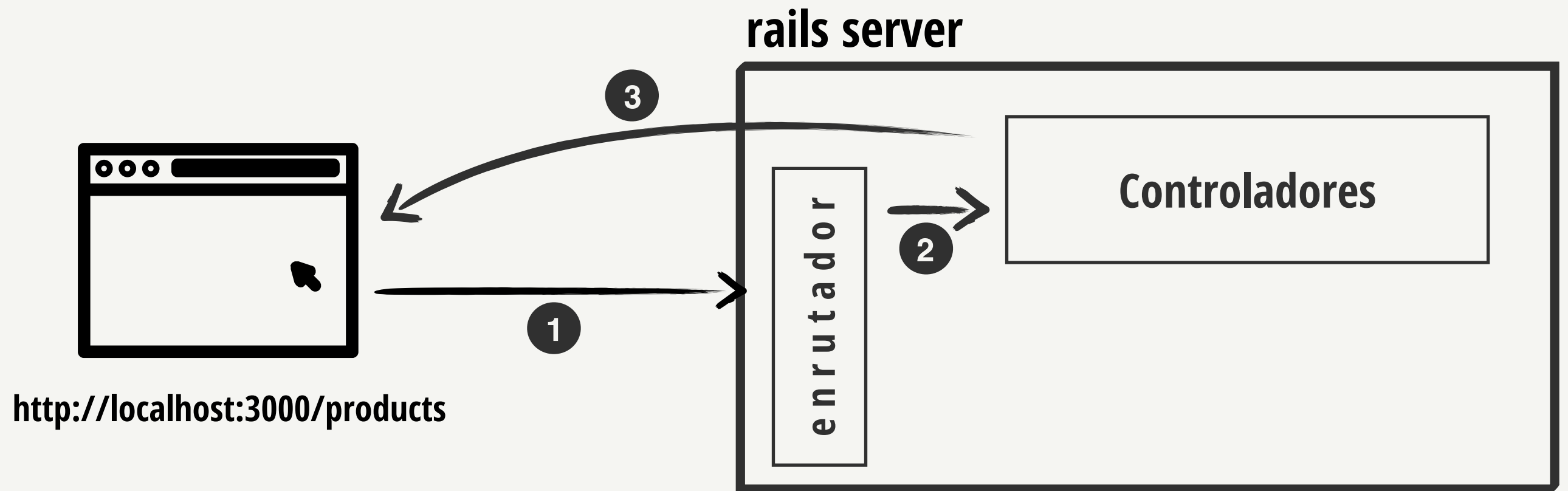
```
hash["four"] = "cuatro"
```

```
status = :running
```

```
hash = {  
  one "uno",  
  two "dos",  
  three "tres"  
}
```

<https://github.com/makeitrealcamp/taller-uptc/>

Arquitectura simplificada



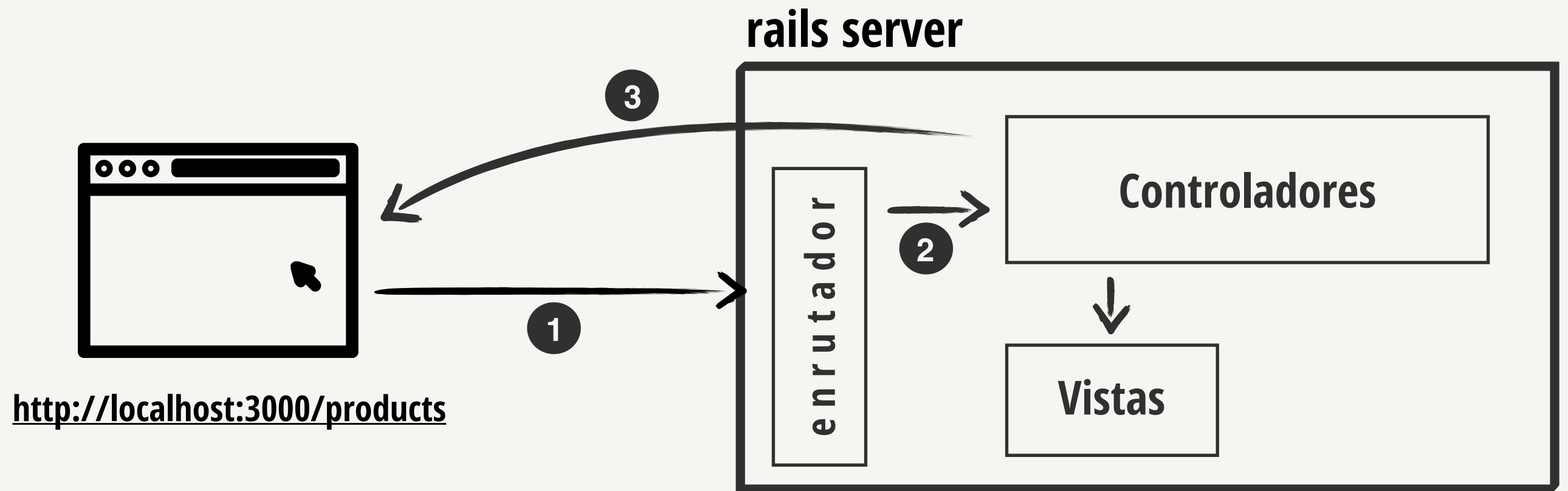
`http://localhost:3000/products`

`config/routes.rb`

```
Rails.application.routes.draw do
  get '/products', to: 'products#index'
end
```

`app/controllers/products_controller.rb`

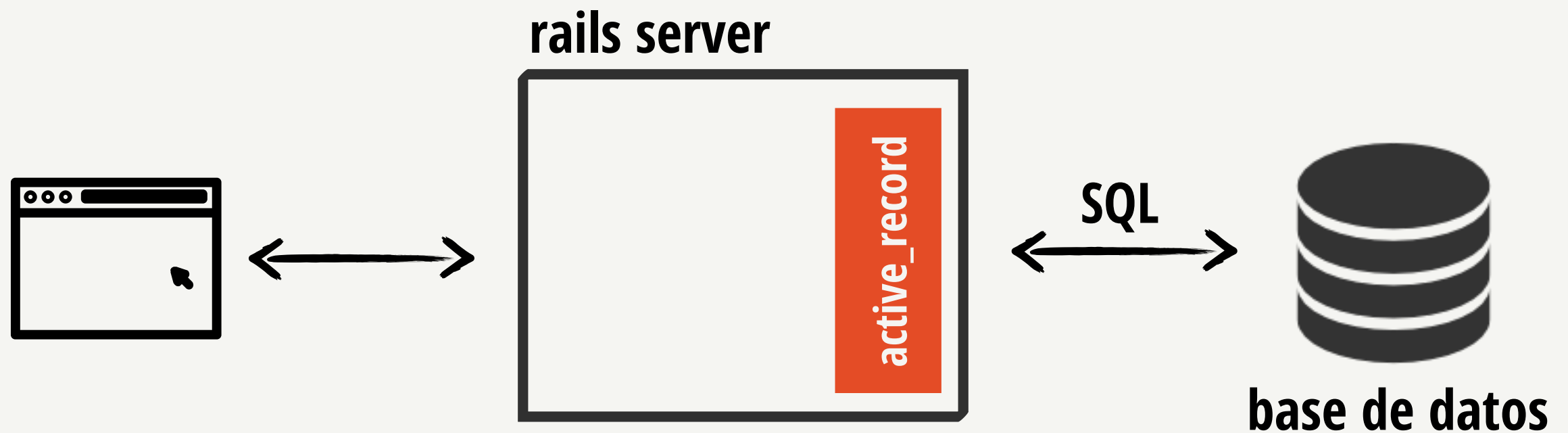
```
class ProductsController < ApplicationController
  def index
    ...
  end
end
```

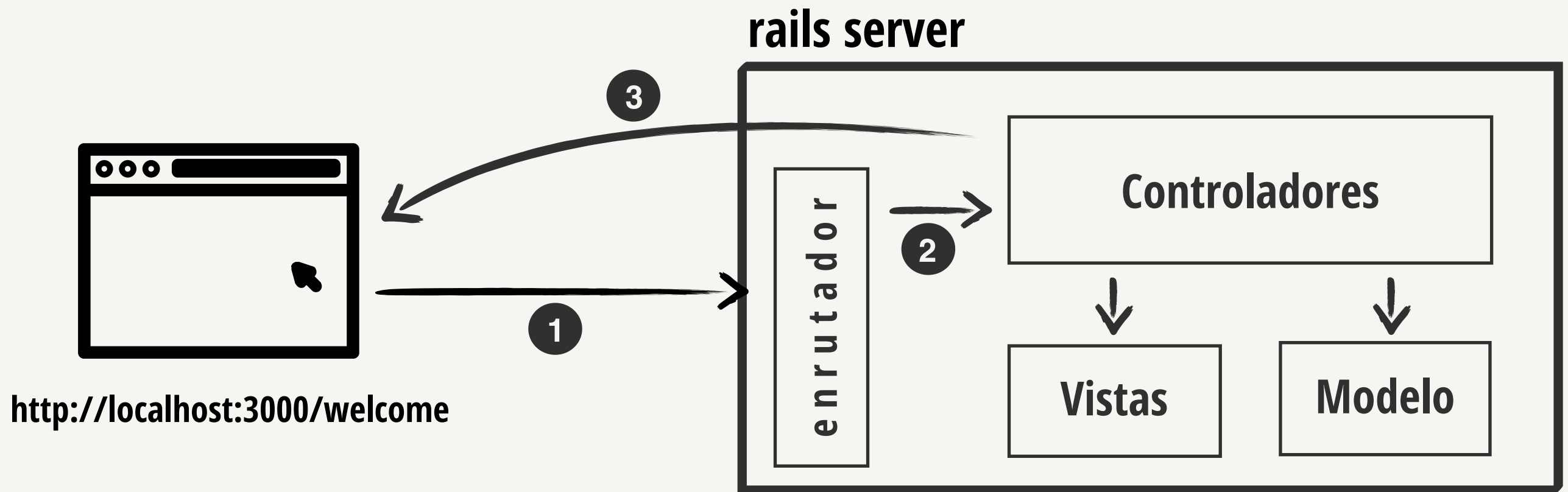


`app/views/products/index.html.erb`

```
<h1>Hola Mundo</h1>
```

La capa que nos permite acceder y manipular la información de la base de datos sin necesidad de escribir código SQL.





```
products = Product.all
Product.create(name: "P1", url: "")

p1 = Product.find(1)
p1.destroy
```

`app/models/product.rb`

```
class Product < ActiveRecord::Base

end
```

ORM (Object-relational Mapping)