

I know Rails is NOT Magic!

but WTF just happened.



Guille Carlos

twitter: @guillec

Goal?

Introduce you to Rails and show you where the magic happens.

What is Ruby on Rails

- Its a set of technologies:
 - Ruby is the language you write in.
 - Rails is the Framework

What is a Framework

- Believe it or not coder spend most of the time doing the same thing over and over and over and over and over and over...
- Example: Most applications have a database. How to connect and interact?
- We could rewrite that process of user a framework to help us... (HINT: Rails)

RoR is a set of design approaches :

Rails is an **opinionated** framework

- They have their way of doing things.
- Example:
 - Directory Layout
 - How to use database
 - more ...



Its a community



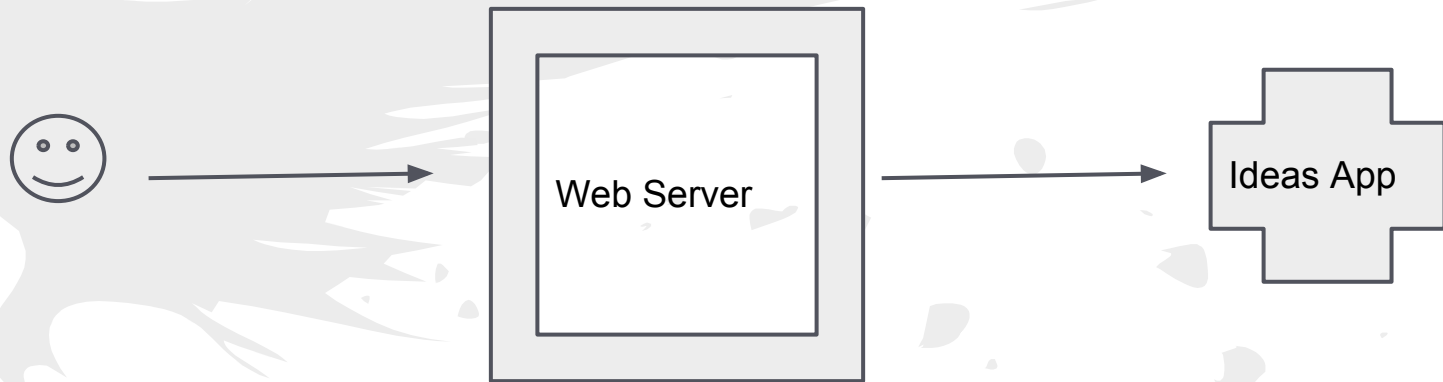
Rails Girls





How does it work?

Story time!





User types URL in browser

`http://localhost:3000/ideas/1`

Web server gets request

WS:

Oh check it out I got a request from a user.

WS:

Yo Rails! Here I got a request do what you got to do with this request.

Rails gets that request

Rails:

*Aight based on this request ('/ideas/1') and me being so **opinionated** I am going to send this to my IdeasController.rb.*

Rails Then

1. Runs the correct code.
2. Returns the correct data.
4. Returns the correct HTML page.

THE END

Cool Story Bro



Can you tell me more?

The Rails Controller

```
class IdeasController < ApplicationController
```

```
  def show
```

```
    @idea = Idea.find(params[:id])
```

```
  end
```

```
end
```

Lets take a deeper look

How do you define a class in Ruby?

```
class IdeasController
```

```
end
```

Lets take a deeper look

How do you define a method inside the class?

```
class IdeasController
```

```
  def show  
  end
```

```
end
```


Whats the difference?

#Rails class

```
class IdeasController <  
  ApplicationController
```

```
  def show
```

```
    id = params[:id]
```

```
    @i = Idea.find(id)
```

```
  end
```

```
end
```

#My class

```
class IdeasController
```

```
  def show
```

```
  end
```

```
end
```

Idea Model :

```
class Idea < ActiveRecord::Base  
  #THERE IS NOTHING HERE  
end
```

- Where the hell is that **.find** method coming from?
- Obvious answer is well **ActiveRecord::Base**

Where the hell is **ActiveRecord**?

All rails applications have a file:
application.rb

```
require 'rails/all'  
module Ideas
```

```
  class Application < Rails::Application
```

```
    ...
```

```
  end
```

Main concept

All these weird things that you will type and see are just methods that Rails includes into your project.

Example:

`has_many :users`

`belongs_to :pandas`

`validates :user_id, presence: true`

`.find_by_name_and_blah_blah()`

THE END

