

Rails :

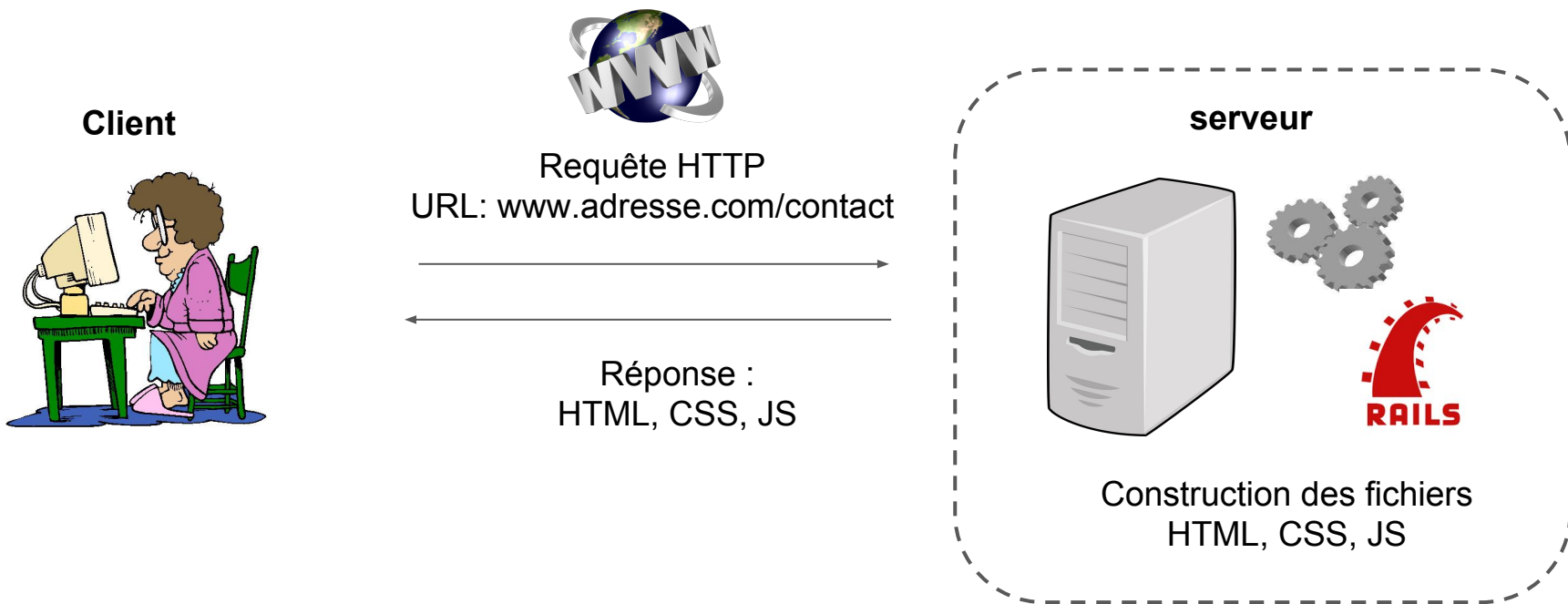
I. Controller View

Jonathan Serafini

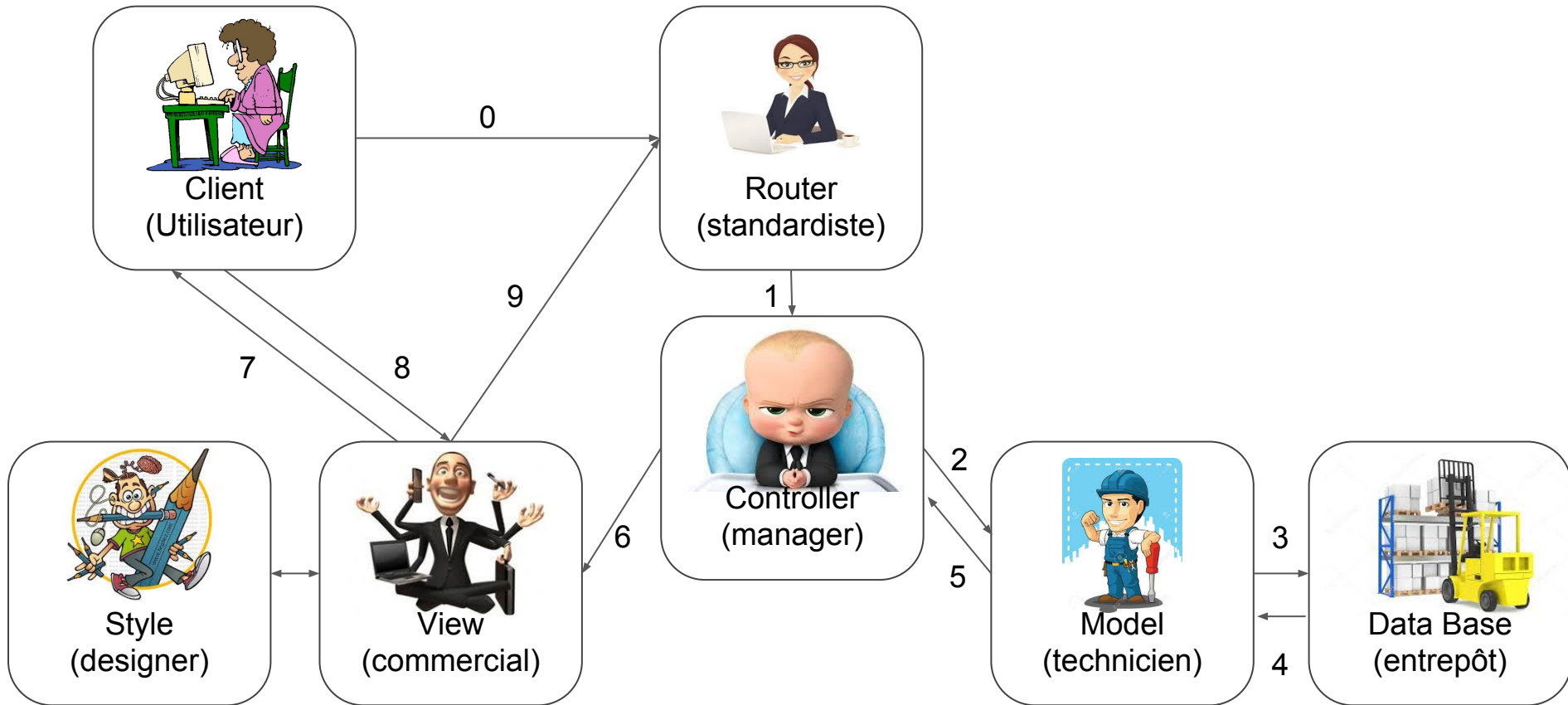


mihivai

Requêtes HTTP



Architecture Rails (MVC)



Rails new

Terminal:

```
rails new --database postgresql akinator  
cd akinator  
rails s
```

Navigateur:

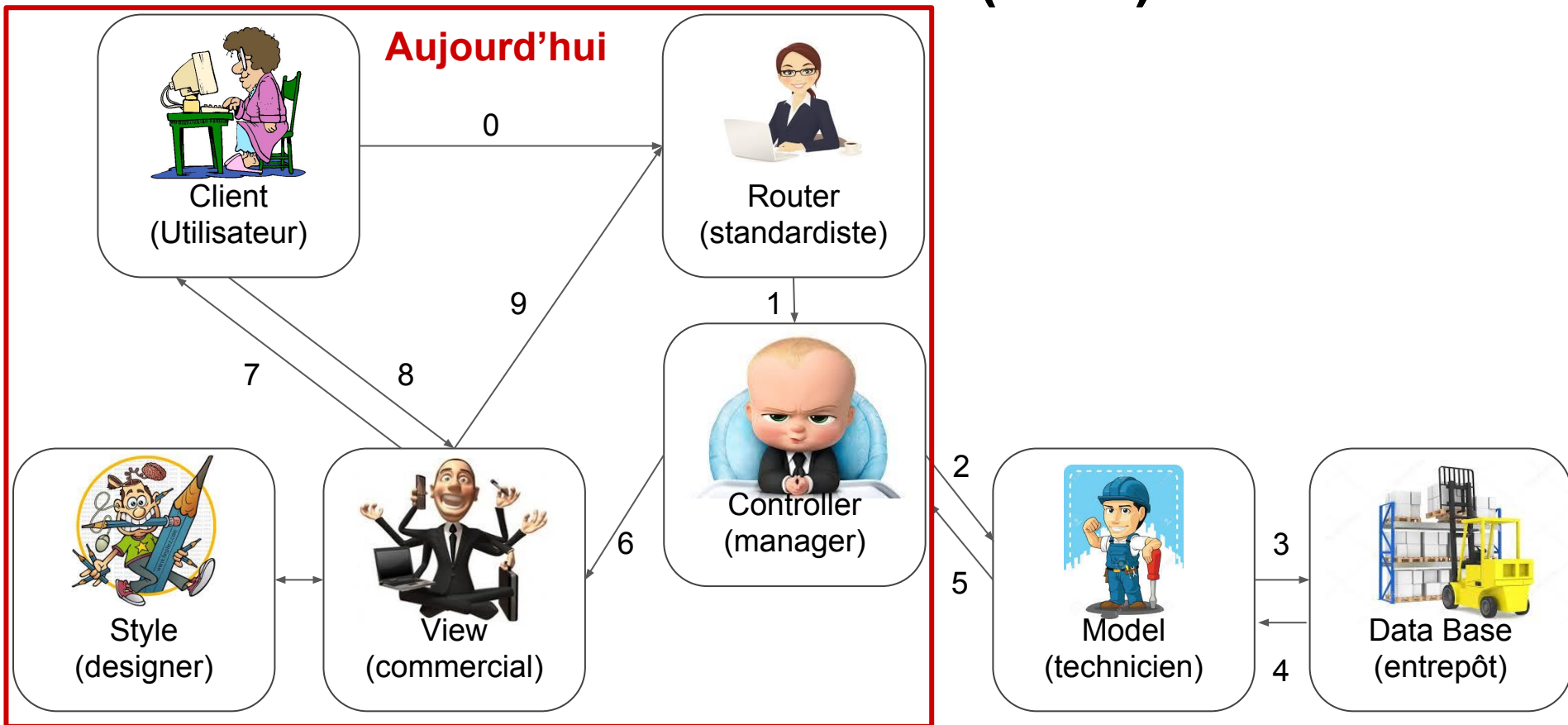
<http://localhost:3000/>

Architecture Rails (MVC)

```
- app/  
  - assets/  
    - images/  
    - stylesheets/  
  - controllers/  
  - models/  
  - views/  
- configs/  
  - routes.rb  
- db/  
  - schema.rb
```



Architecture Rails (MVC)



Controller generator

Terminal

```
> rails generate Pages home
```

Router

Terminal

```
> rails routes
```

Prefix	Verb	URI Pattern	Controller#Action
root	GET	/	pages#home

/config/routes

```
Rails.application.routes.draw do
  # get 'pages/home'
  root to: 'pages#home'
end
```


Controller

controllers/pages_controller.rb

```
class PagesController < ApplicationController
  def home
  end
end
```

View

/views/pages/home.html.erb

```
<h1>Akinator</h1>  
  
<p>Challenge me to see if I can find who you think!</p>
```

Architecture

Conventions!!!

- Modèle: Nom au singulier
- controleur : (nom au pluriel)_controller
- dossier des vues : nom au pluriel
- fichier de vues associées à un contrôleur : nom de la méthode

Ajouter une page blog

config/routes.rb

```
Rails.application.routes.draw do
  root to: 'pages#home'
  get 'pages/blog'
end
```

controllers/pages_controller.rb

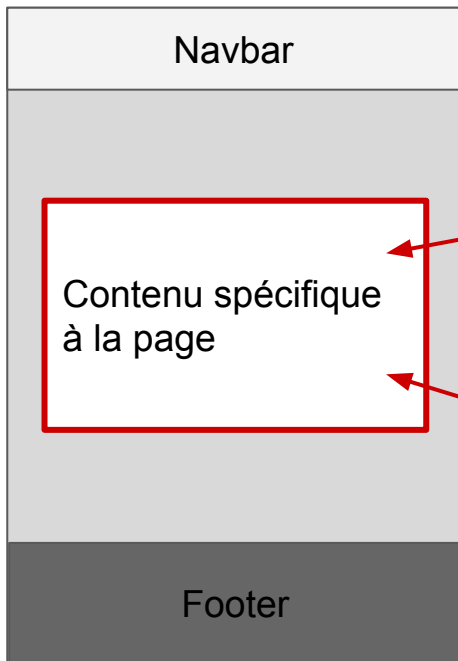
```
class PagesController < ApplicationController
  # [...]
  def blog
  end
end
```

views/pages/blog

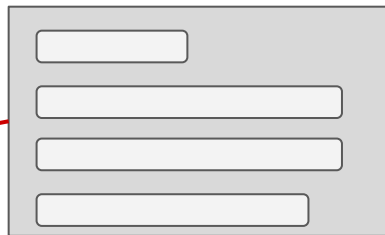
```
<h1>Mon blog</h1>
<h2>Mon 1er article</h2>
<p>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Pariatur sequi.</p>
```

Layout

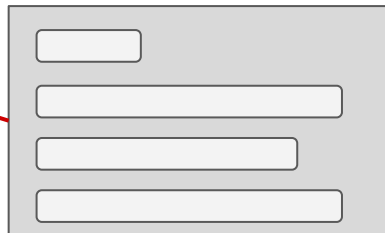
/views/layouts/application.html.erb



/views/pages/home.html.erb



/views/pages/blog.html.erb



À vous de jouer

Créer une page “team” qui contient des info sur l’équipe de mon restaurant.

Layout

/views/layouts/application.html.erb

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width,
initial-scale=1, shrink-to-fit=no">
    <title>TODO</title>
    <%= csrf_meta_tags %>
    <%= action_cable_meta_tag %>
    <%= stylesheet_link_tag 'application', media: 'all' %>
  </head>
  <body>
    Navbar

    <%= yield %>

    Footer
    <%= javascript_include_tag 'application' %>
    <%= javascript_pack_tag 'application' %>
  </body>
</html>
```

/views/pages/home.html.erb

```
<h1>Mon livre de recettes</h1>
<p>Lorem ipsum dolor sit amet, consectetur
adipisicing elit. Eligendi dolorum distinctio, quos
libero temporibus placeat ad. Repellendus nam odio
inventore harum deserunt praesentium dicta laborum
sequi illo dolor. Voluptates, reiciendis?</p>
```

/views/pages/blog.html.erb

```
<h1>Mon blog</h1>
<h2>Mon 1er article</h2>
<p>Lorem ipsum dolor sit amet, consectetur
adipisicing elit. Pariatur sequi reiciendis, ipsam
esse temporibus, nobis doloremque vitae, hic
mollitia voluptatibus quas aperiam quam tenetur
harum perspiciatis non, illum enim impedit.</p>
```

CSS - Bootstrap

app/views/layouts/application.html.erb

```
<link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css"
integrity="sha384-ggOyR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQUOhcWr7x9JvoRxT2MZw1T"
crossorigin="anonymous">
<link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.8.0/css/all.css"
integrity="sha384-Mmxa0mLqhmOeaE8vgOSbKacftZcsNYDjQzuCom6D02luYSzBG8vpaOykv91FQ51Y"
crossorigin="anonymous">
<%= stylesheet_link_tag 'application', media: 'all' %>
</head>
<body>
  ...
  <script src="https://code.jquery.com/jquery-3.3.1.slim.min.js"
  integrity="sha384-q8i/X+965DzO0rT7abK41JStQIAqVgRVzpbzo5smXKp4YfRvH+8abtTE1Pi6jizo"
  crossorigin="anonymous"></script>
  <script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.7/umd/popper.min.js"
  integrity="sha384-UO2eT0CpHqdSJJQ6hJty5KVphtPhzWj9WO1clHTMGa3JDZwrnQq4sF86dIHNDz0W1"
  crossorigin="anonymous"></script>
  <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/js/bootstrap.min.js"
  integrity="sha384-JjSmVgyd0p3pXB1rRibZUAYoIIy60Rq6VrjIEaFf/nJGzIxFDs4x0xIM+B07jRM"
  crossorigin="anonymous"></script>
</body>
```


CSS - Banner

app/views/pages/home.html.erb

```
<div class="banner" style="background-image: linear-gradient(-225deg,
rgba(0,101,168,0.6) 0%, rgba(0,36,61,0.6) 50%),
url('https://kitt.lewagon.com/placeholder/cities/berlin');">
  <div class="banner-content">
    <h1>Le Wagon Berlin</h1>
    <p>Learn to code with us in Berlin</p>
    <a class="btn btn-primary btn-lg">Start now</a>
  </div>
</div>
```

CSS - Banner

app/assets/stylesheets/application.css

```
.banner {  
  color: white;  
  text-align: center;  
  height: 100vh;  
  /* if you have a 70px navbar => height: calc(100vh - 70px); */  
  background-size: cover !important;  
  display: flex;  
  align-items: center;  
  justify-content: center;  
}  
.banner h1 {  
  font-size: 50px;  
  font-weight: bold;  
  text-shadow: 0px 1px rgba(0, 0, 0, 0.2);  
}  
.banner p {  
  font-size: 25px;  
  font-weight: lighter;  
  color: rgb(255, 255, 255);  
  opacity: 0.6;  
  margin-bottom: 30px;  
}
```

Erb

Définition

Erb: Embedded Ruby

Erb permet d'écrire du **ruby** à l'intérieur des fichiers **HTML** afin d'introduire de la logique.

Syntaxe

Pour que cela fonctionne, les fichiers html doivent avoir pour extension **.html.erb**

<% %> Pour exécuter du ruby **sans** qu'il soit visible par l'utilisateur.

<%= %> Pour exécuter du ruby **et** qu'il soit visible par l'utilisateur.

Erb - Exemple 1

Exemple : Afficher la date d'aujourd'hui

```
...  
<p>La date d'aujourd'hui : <%= Time.now.strftime("%d %B %Y") %></p>
```

Exemple : Afficher la date d'aujourd'hui avec une variable

```
...  
<% today = Time.now.strftime("%d %B %Y") %>  
<p>La date d'aujourd'hui : <%= today %></p>
```

Erb - Exemple 2

Exemple : Afficher la team

app/views/pages/team.html.erb

```
<% persons = [
  { name: "Alice",
    bio: "Lorem ipsum dolor sit amet, consectetur adipisicing elit. Doloribus quas ab!" },
  { name: "Bob",
    bio: "Lorem ipsum dolor sit amet, consectetur elit. Incidunt vitae voluptates." },
  { name: "Charly",
    bio: "Lorem ipsum dolor sit amet, consectetur adipisicing elit. Sunt suscipit facere?" }
] %>

<h2>Mes recettes</h2>
<ul>
  <% persons.each do |person| %>
    <li>
      <h3><%= person[:name] %></h3>
      <p><%= person[:bio] %></p>
    </li>
  <% end %>
</ul>
```

Controller - View

Pour qu'une **variable définie** dans le **contrôleur** puisse être **réutilisable** dans la **vue** et doit commencer par “@”.

Controller - View

controllers/pages_controller.rb

```
class PagesController < ApplicationController
  def team
    @persons = [
      { name: "Alice",
        bio: "Lorem ipsum dolor sit amet, consectetur adipisicing elit. Doloribus quas ab!" },
      { name: "Bob",
        bio: "Lorem ipsum dolor sit amet, consectetur elit. Incidunt vitae voluptates." },
      { name: "Charly",
        bio: "Lorem ipsum dolor sit amet, consectetur adipisicing elit. Sunt suscipit facere?" }
    ]
  end
end
```

app/views/pages/home.html.erb

```
<h2>Mes recettes</h2>
<ul>
  <% persons.each do |person| %>
    <li>
      <h3><%= person[:name] %></h3>
      <p><%= person[:bio] %></p>
    </li>
  <% end %>
</ul>
```

Helper link_to

Terminal

```
> rails routes
```

Prefix	Verb	URI Pattern	Controller#Action
root	GET	/	pages#home

view

```
<%= link_to "Ma 1ère page", root_path %>
```



```
<a href="/">Ma 1ère page</a>
```


Définir une route

config/routes.rb

```
Rails.application.routes.draw do
  root to: 'pages#home'
  get 'blog', to: 'pages#blog', as: :my_blog
end
```

Terminal

```
> rails routes
```

Prefix	Verb	URI Pattern	Controller#Action
root	GET	/	pages#home
my_blog	GET	/blog(.:format)	pages#blog

Helper

```
<%= link_to "Mon blog", my_blog_path(name: "coco") %>
```

Images

Les **images** appelées par les **Helpers rails** doivent être placées dans le dossier **app/assets/images/**

image_tag

```
<%= image_tag "logo.png", alt: "Le Wagon", width: 200 %>
```



```

```

image_path

```
<%= image_path "coco.jpg" %>
```

```
<div style="background-image: url(<%= image_path 'coco.jpg' %>);"></div>
```

À vous!