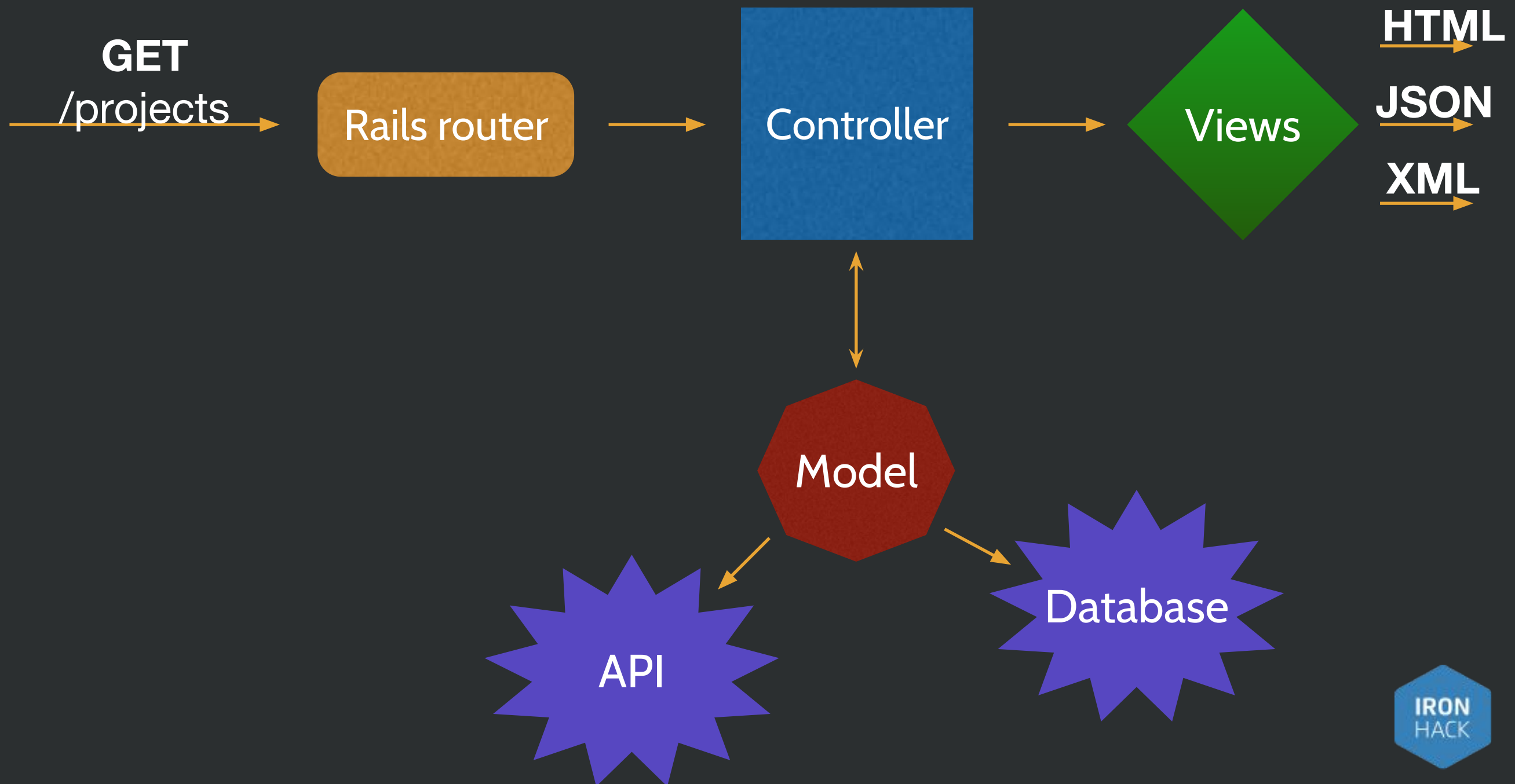


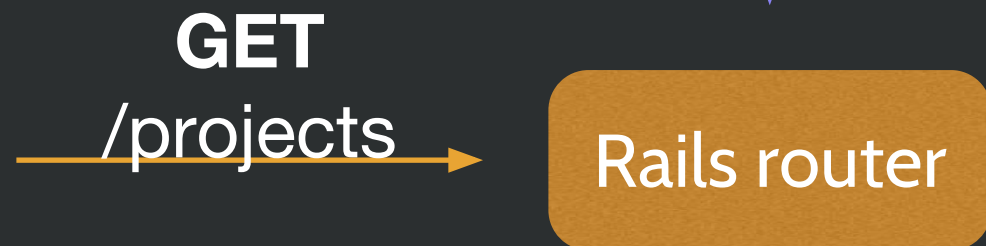


Index Action (Project)

MVC

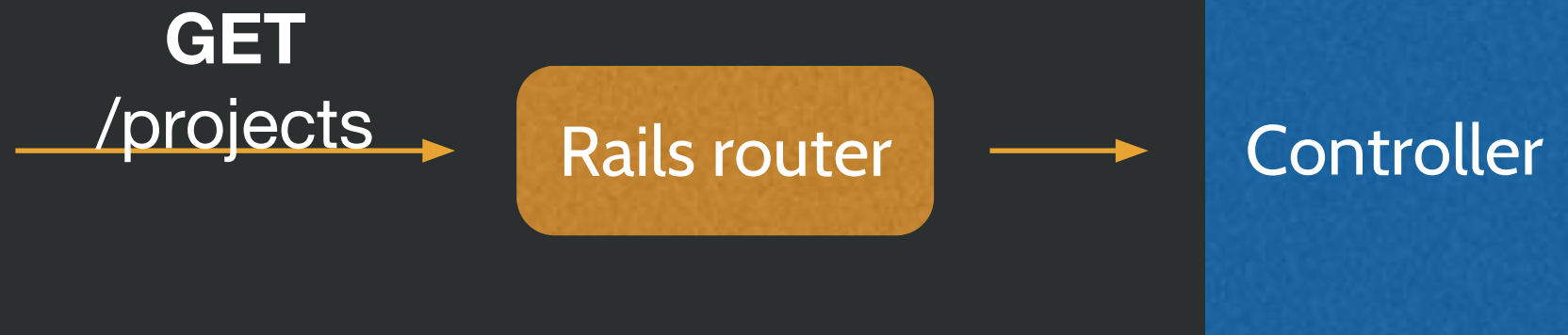


MVC



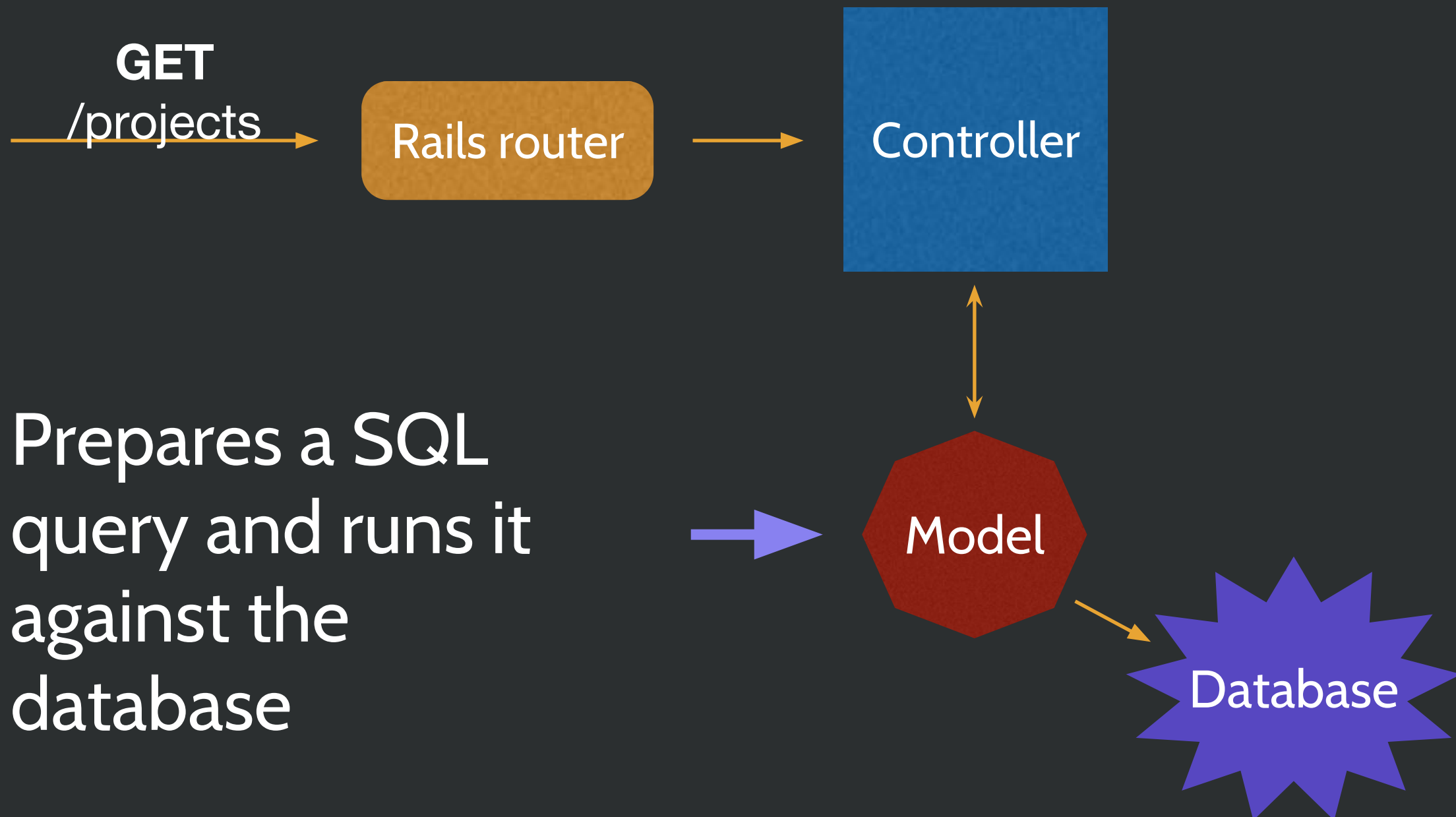
Picks which
controller an action
should respond to
a GET request to
the path /projects

MVC



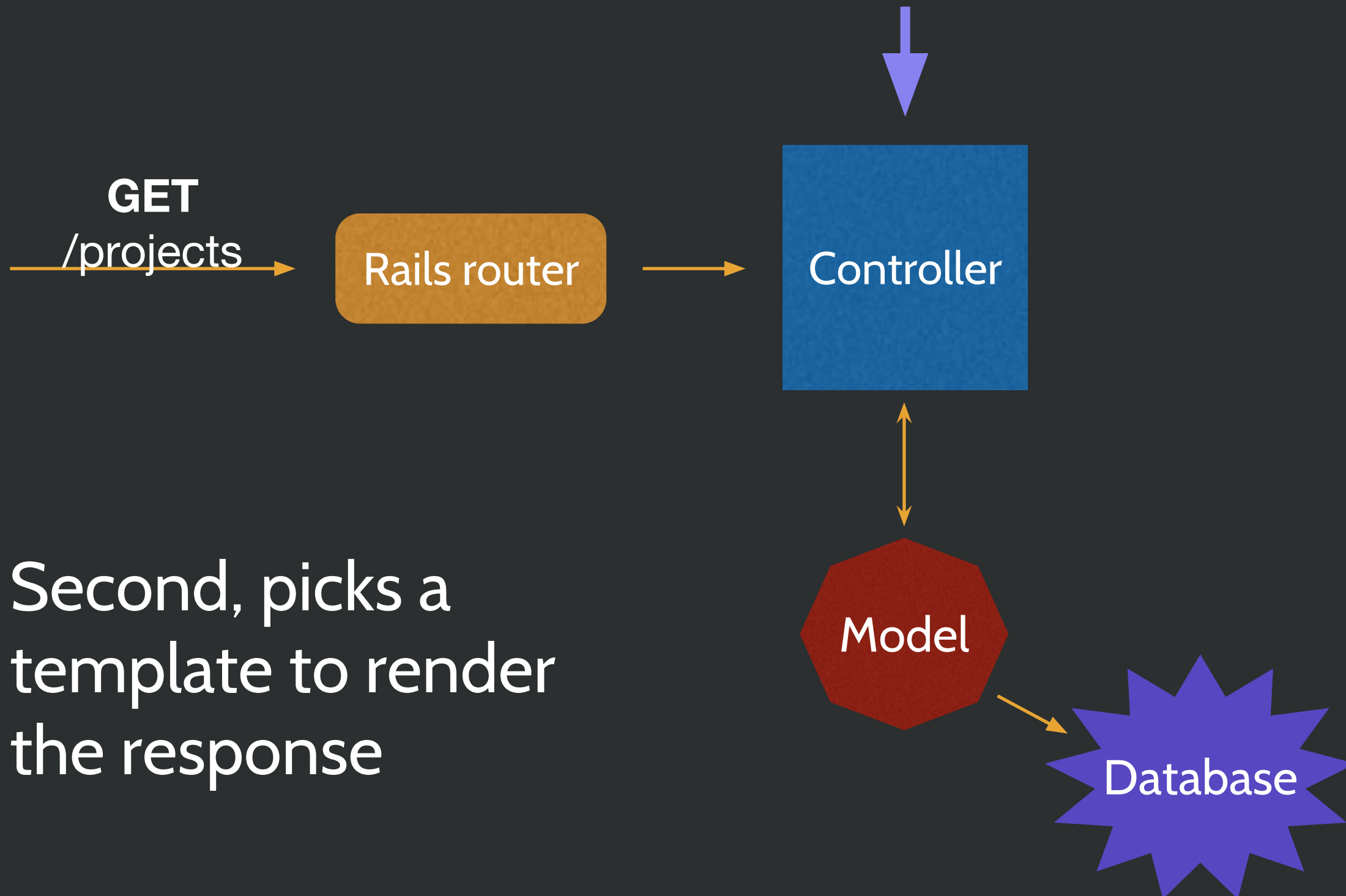
First, asks the
model Project for
the last 10 projects
created

MVC



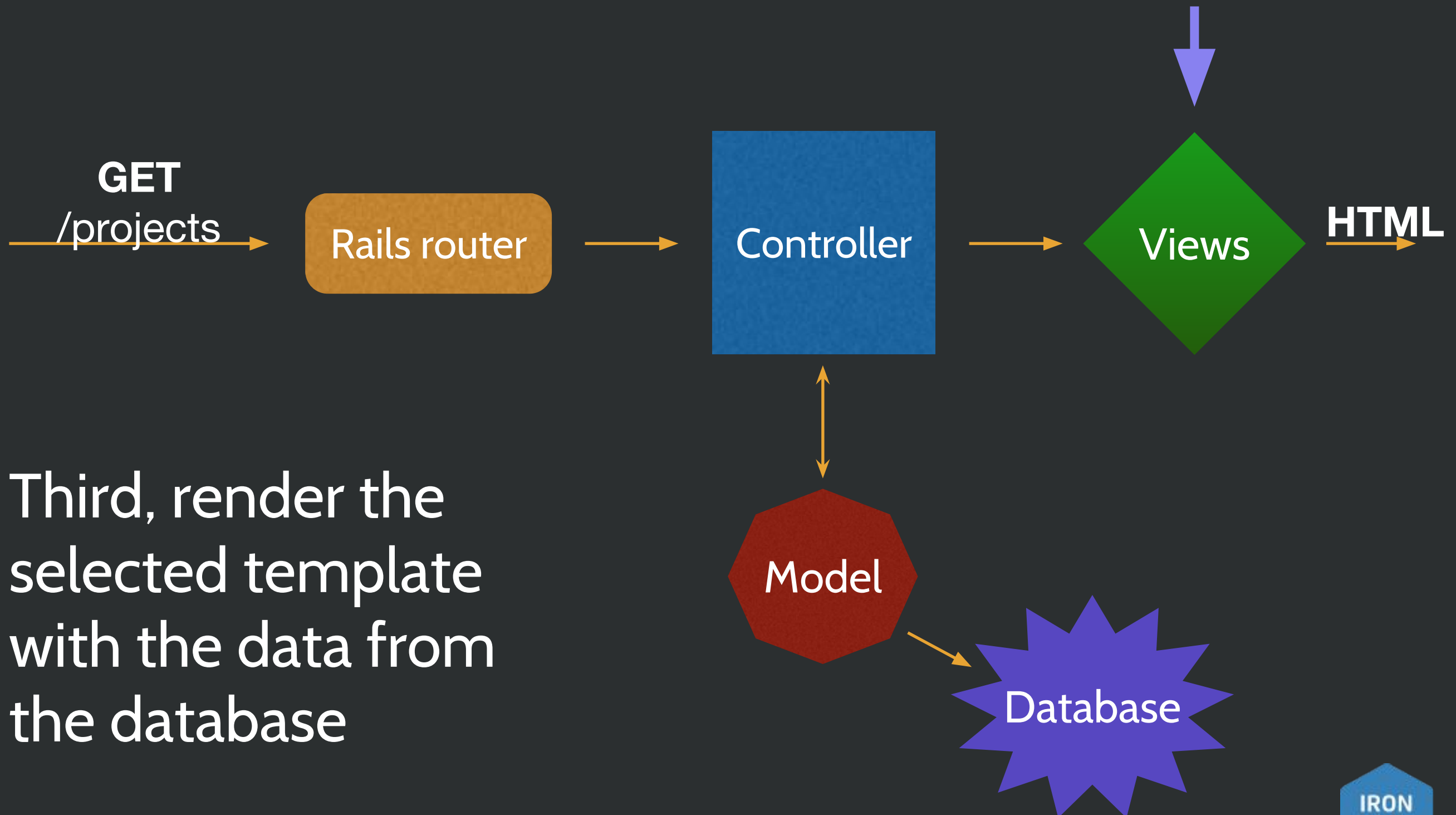
Prepares a SQL query and runs it against the database

MVC



Second, picks a template to render the response

MVC



Third, render the selected template with the data from the database

Time tracking tool

—

Projects

- [Toldo](#) - Integrate payments with Recurly
- [Ironhack](#) - Rails introduction week #4

Ironhack - Rails introduction

Model: Project

Project
<ul style="list-style-type: none">- name- description

Model: Project

```
$ rails g model Project
```

invoke active_record

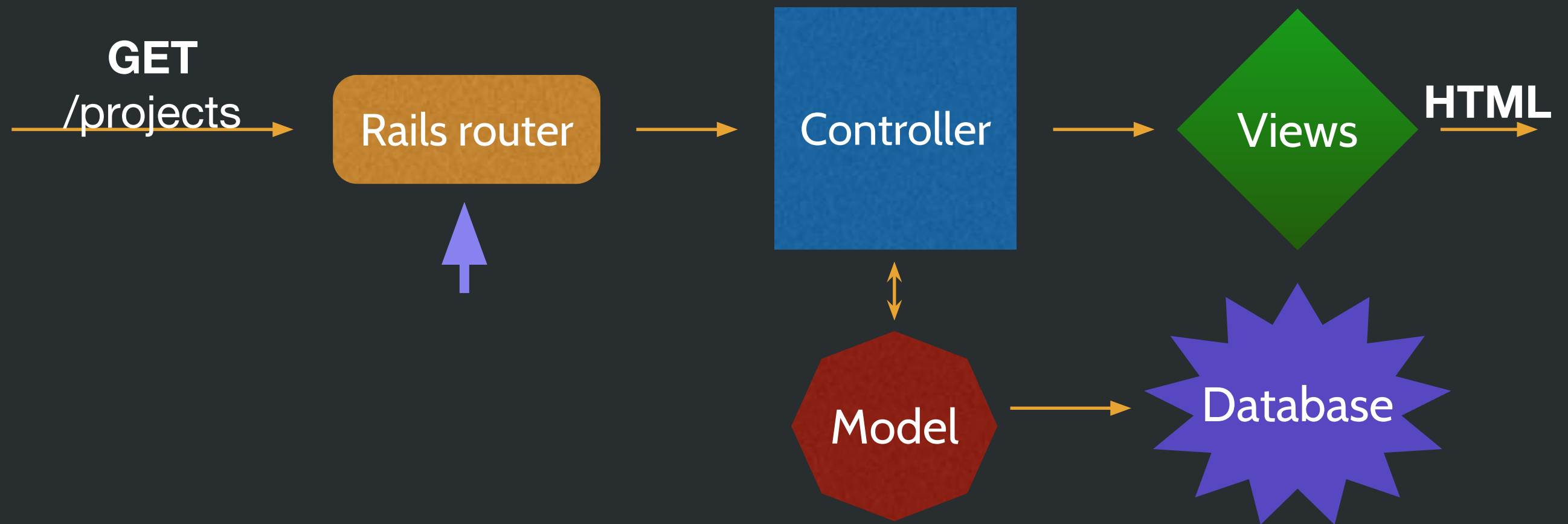
create db/migrate/20140126095033_create_projects.rb

create app/models/project.rb

Model: Project

app/models/project.rb

```
class Project < ActiveRecord::Base  
end
```



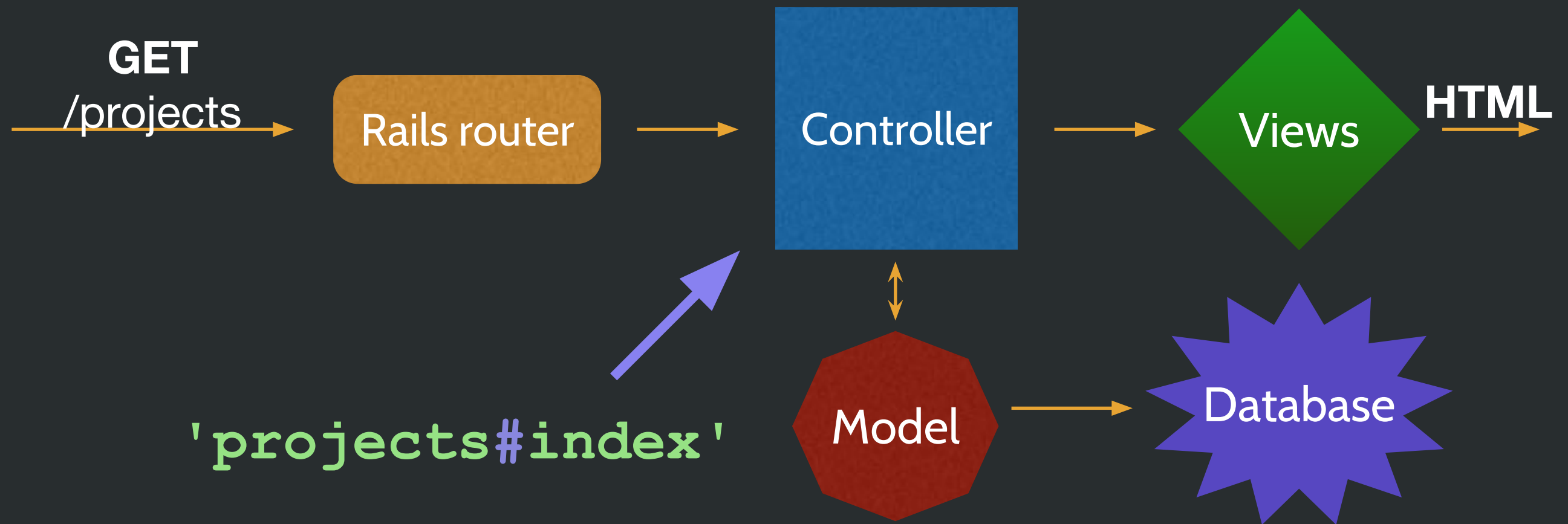
config/routes.rb

```
Timetracking::Application.routes.draw do
```

```
  get '/', to: 'site#home'
```

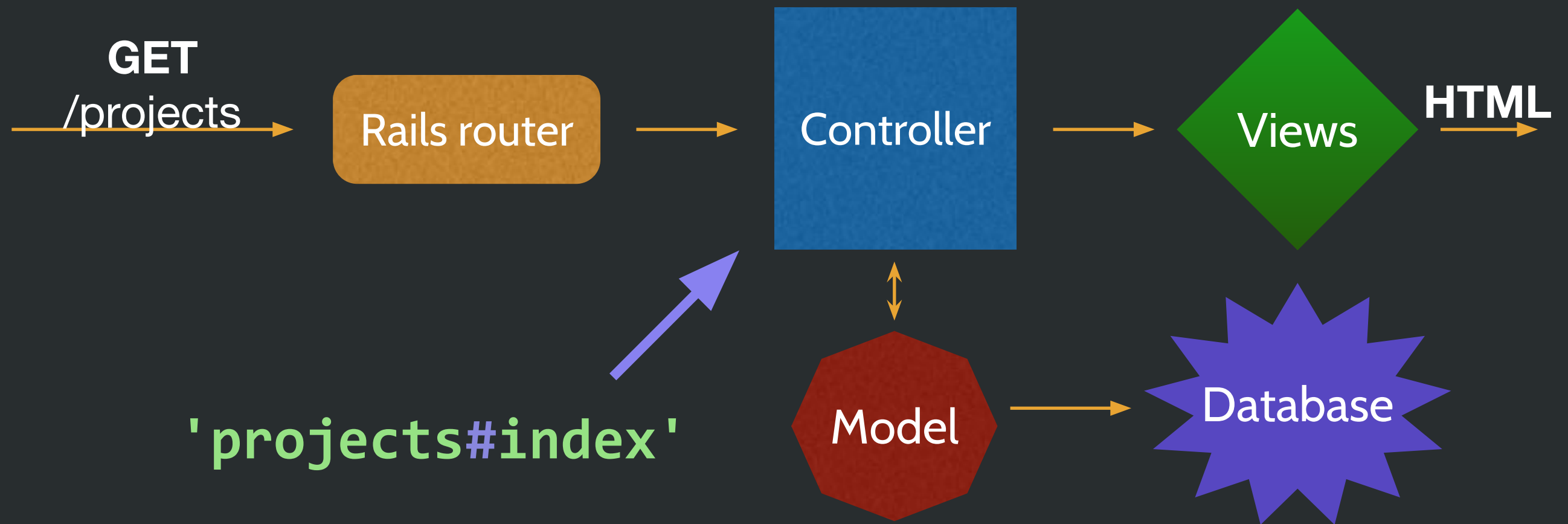
```
  get '/projects', to: 'projects#index'
```

```
end
```



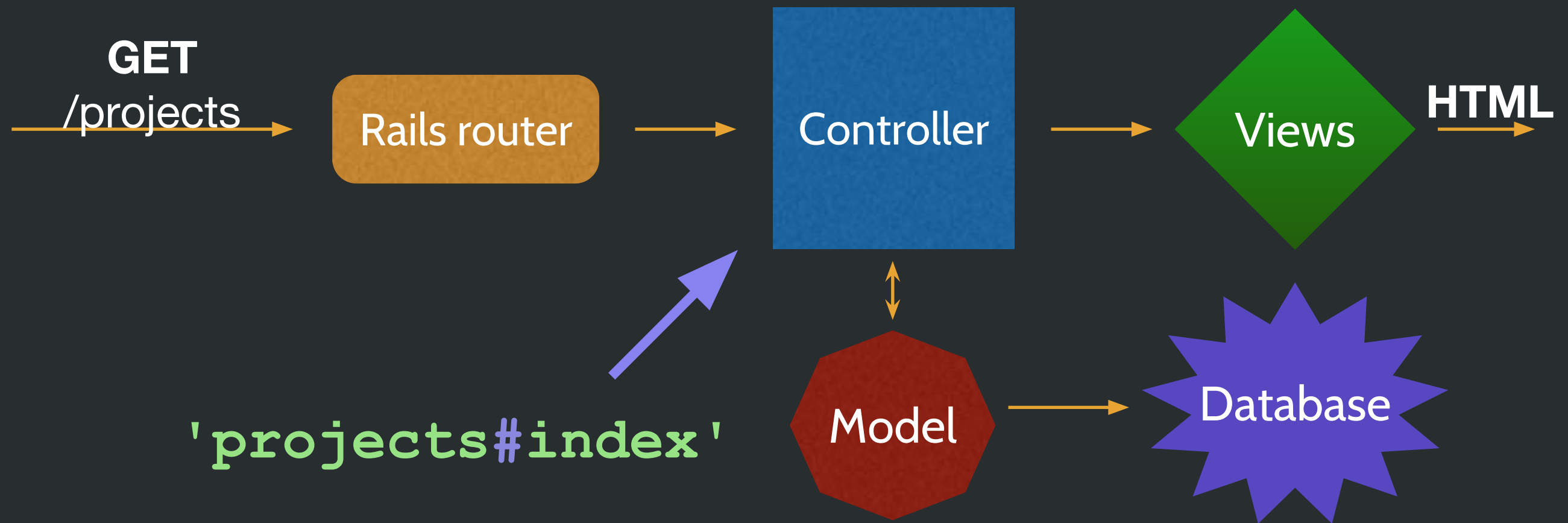
```
$ rails g controller projects
```

```
app/controllers/projects_controller.rb
```



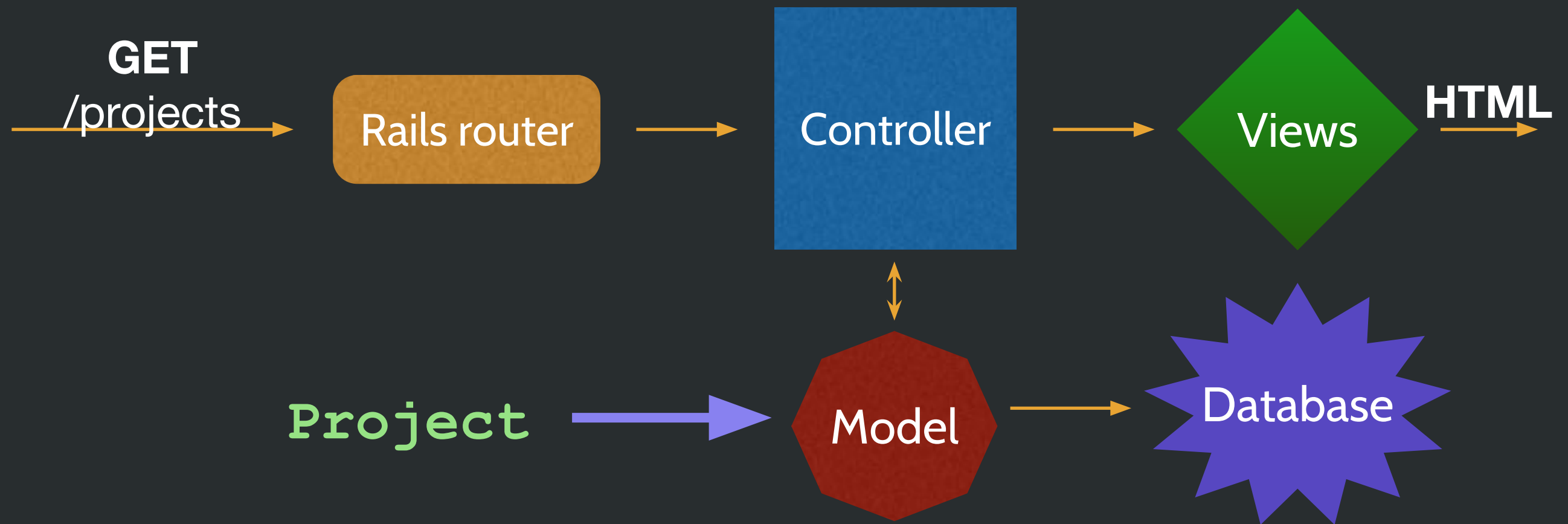
`app/controllers/projects_controller.rb`

```
class ProjectsController < ApplicationController
end
```



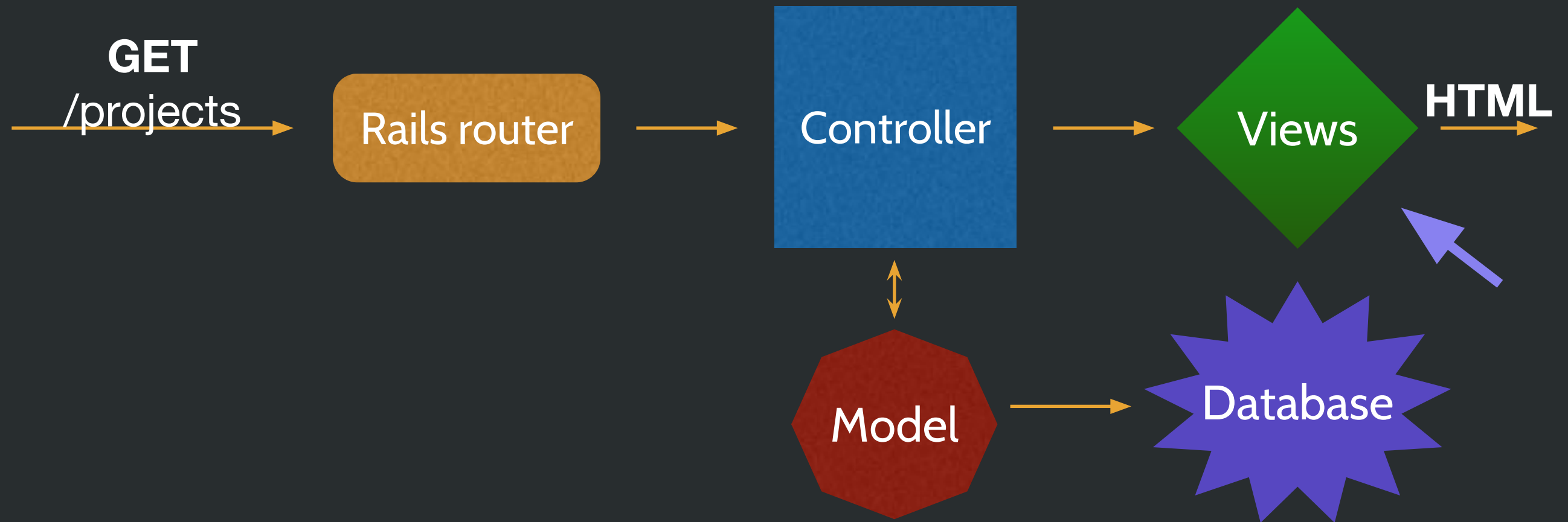
`app/controllers/projects_controller.rb`

```
class ProjectsController < ApplicationController
  def index
  end
end
```



`app/controllers/projects_controller.rb`

```
class ProjectsController < ApplicationController
  def index
    @projects = Project.order(created_at: :desc)
                        .limit(10)
  end
end
```

Naming rules

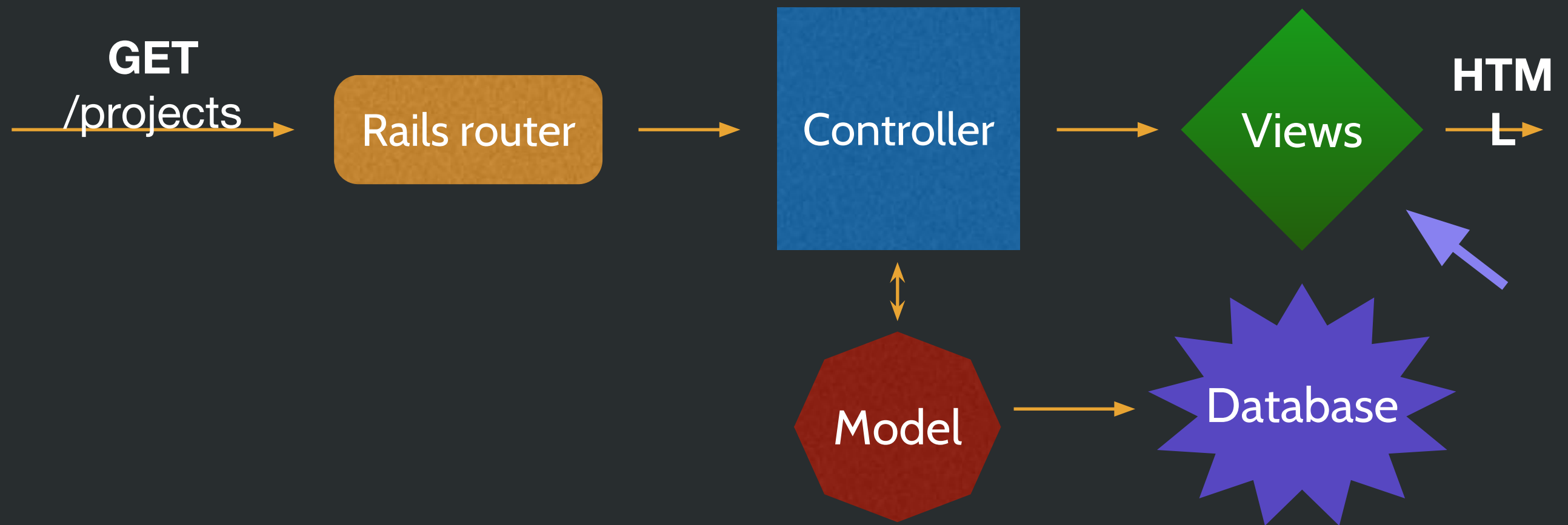
Controller name = views folder name

app/controllers/site_controller.rb
app/views/site/home.html.erb

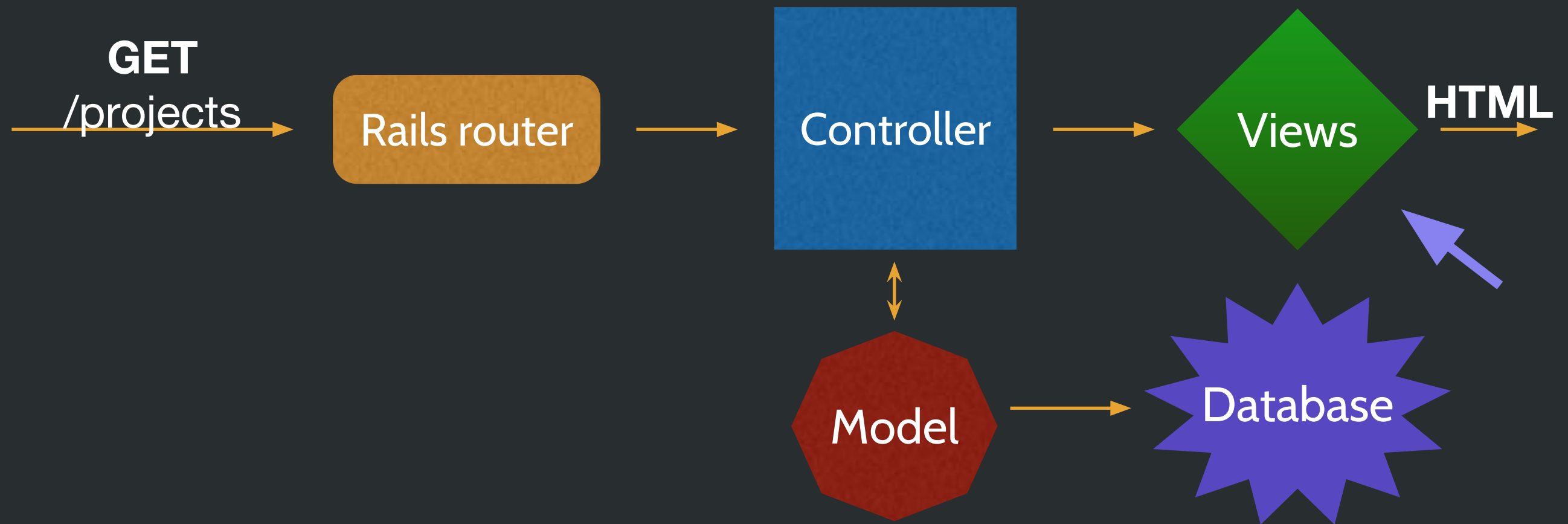
Action name = template file name

```
class SiteController < ApplicationController  
  def home  
  end  
end
```

app/views/site/home.html.erb



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



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

```
<ul>
  <% @projects.each do |project| %>
    <li><%= project.name %></li>
  <% end %>
</ul>
```

Run the server

```
$ rails s
```

And visit

<http://localhost:3000/projects>

A (very) brief refresh of ERB

ERB basics

Stands for **Embedded Ruby**

Template language included in Ruby Standard Library

`<% # executed but not displayed %>`

`<%= # executed and displayed %>`

ERB basics

```
<ul>  
  <% @projects.each do |project| %>  
    <li><%= project.name %></li>  
  <% end %>  
</ul>
```


ERB basics

```
<% if @project.completed? %>  
  <p><%= project.name %> has been completed</p>  
<% end %>
```

Variables in the controllers and the views

```
class ProjectsController < ApplicationController
  def index
    @projects = Project.order(created_at: :desc).
                        limit(10)
  end
end
```

```
<ul>
  <% @projects.each do |project| %>
    <li><%= project.name %></li>
  <% end %>
</ul>
```

Rule of thumb

Use **instance variables** in your controller for the variables you want to use in the view

Exercise

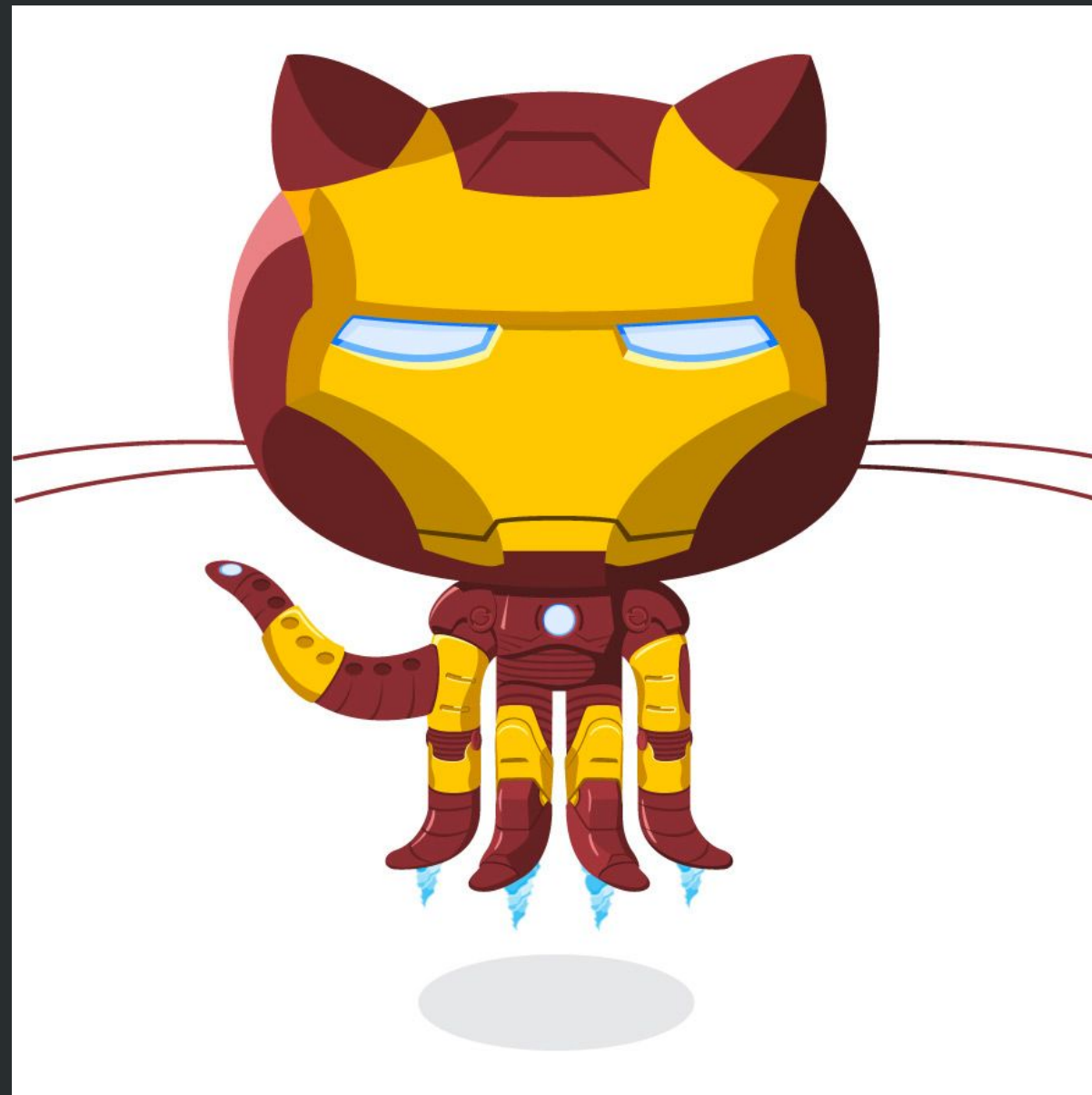
Update *index.html.erb* template to display projects description after the project name. Something like:

```
<ul>  
  <li>Personal Website - I need to get my brand out there</li>  
  <li>Ironhack rails intro - Become a web developer</li>  
</ul>
```

Exercise

Improve previous exercise so that, if the project has no description, only the name is displayed (i.e: no '-' character should be displayed)

```
<ul>  
  <li>Personal Website - I need to get my brand out there</li>  
  <li>Ironhack rails intro</li>  
</ul>
```



Remember to commit
your changes in git