

Introduction to Sinatra

The Ruby framework, not the crooner.

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Philly on Rails

What is it?



“Sinatra is the easiest way to a Fast, RESTful, web-application in Ruby with few dependencies, setup, and LOC.” - Them

“Yet another Ruby framework good for microapps.” - Me

Framework?

You might
have heard of
this one!



- Rails
- Camping
- Merb
- Nitro
- Ramaze
- Sinatra

Install It

```
sudo gem install sinatra
```

5 lines for an app

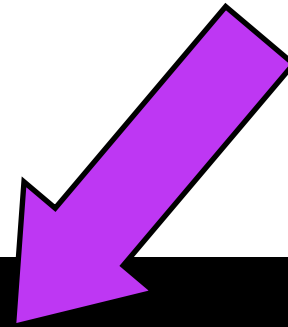
```
require "rubygems"  
require "sinatra"  
  
get '/' do  
  "What up, world"  
end
```



I may
be small, but
I'm a real app, I
swear

Fire it up!

har har



```
$ ruby yourapp.rb
```

```
== Sinatra has taken the stage on port 4567  
for development
```

... point your browser to <http://localhost:4567>

More than one page?

```
get '/' do
  "What up, world"
end

get '/dude' do
  "What up, dude"
end
```

01two_page.rb

Params are easy

```
get('/:name' do
  "What up, #{params[:name]}"
end
```

03params.rb

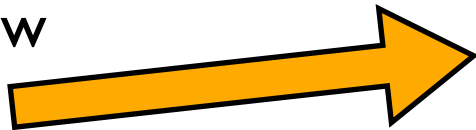
Splat?

What about the Model?

Sinatra is ORM-agnostic.

Use any or all of:

Start here if
you know
Rails

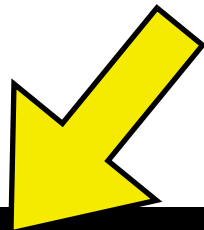


ActiveRecord
DataMapper
Sequel

... or any other ORM you like.

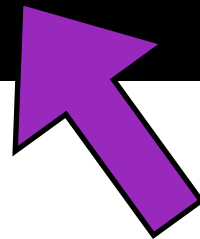
Let's try ActiveRecord

chuck any model code here



```
class Post < ActiveRecord::Base  
end
```

```
ActiveRecord::Base.establish_connection(  
  :adapter => "sqlite3",  
  :database => "modeltest.sqlite3"  
)
```



path to your db file

try out 04model.rb

Separate your views

```
root
  | - views/
      | - whatever.erb
      | - something.haml
```

Use anything: erb, haml, sass, builder, etc.

Simple Helper Solution


```
helpers do
  def li(item)
    "<li>#{item}</li>"
  end
end
```

Handling Forms

- No handy helpers like Rails
- Roll your own!



Change
the verb!



```
post '/posts/create' do
  @post = Post.create(
    :subject => params[:subject],
    :body    => params[:body])
  redirect '/posts'
end
```

Let's look at 06form.rb

Images, Assets, etc.

```
root
| - public/
|   | - whatever.jpg
|   | - stylesheet.css
```

Deployment

Passenger + Rack = <3

```
require 'rubygems'
require 'sinatra'

Sinatra::Application.default_options.merge!(
  :run => false,
  :env => ENV['RACK_ENV']
)

require 'yourappname'
run Sinatra.application
```

Links

- <http://del.icio.us/colinbartlett/sinatra>

Thoughts

- If it's maintained, I like it.
- If it's not, try Merb. Or camping.
- Great place to start for very simple apps.
- Much lower overhead than Rails.