

Create your first Rails application





Prerequisites - system side

- `$ sqlite3 --version` (if none installed check <https://www.sqlite.org/>)
- `$ rails --version` (if not installed: `$ gem install rails`)



\$ rails new myproject

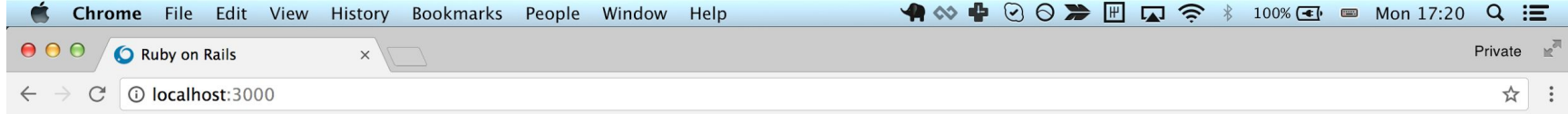


What does it do?

- creates an empty rails project, initializes git

\$ bin/rails server

vist: <http://localhost:3000>



Yay! You're on Rails!

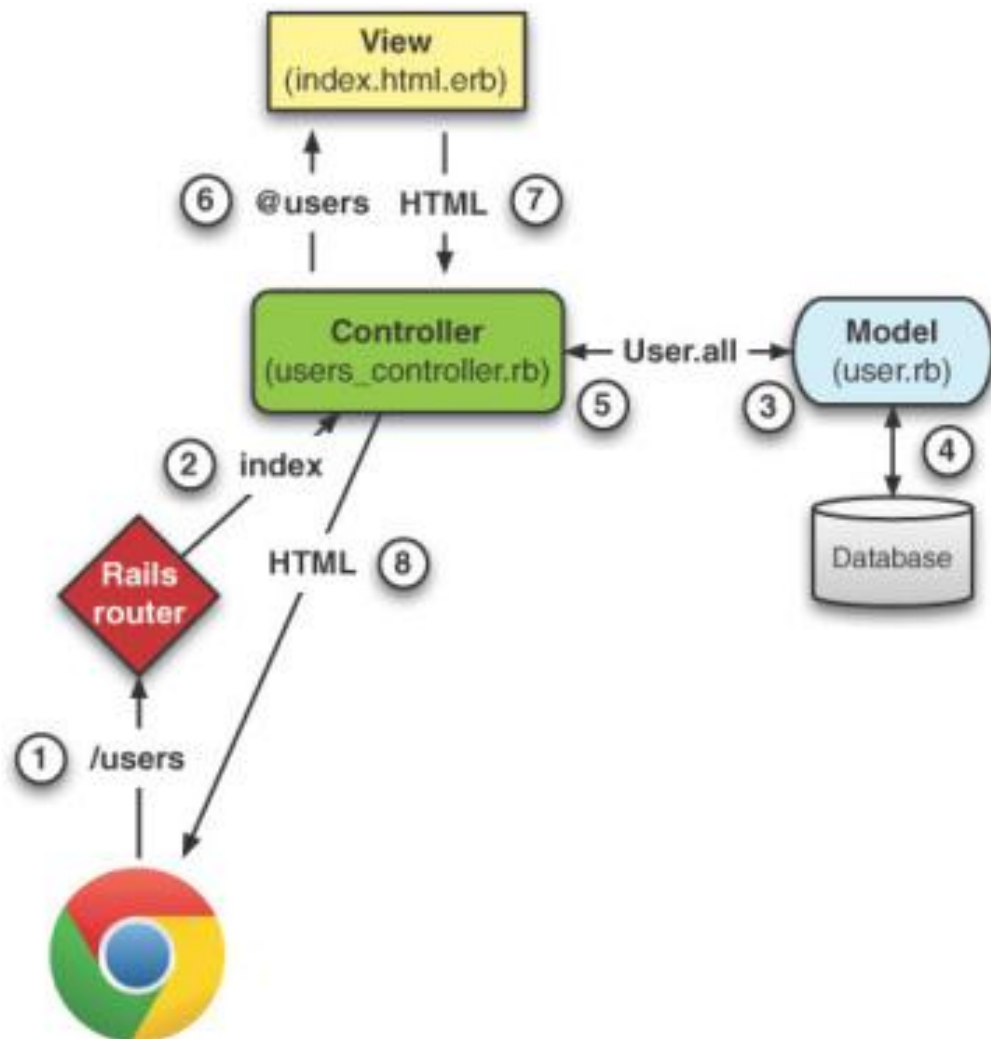


Rails version: 5.1.3

Ruby version: 2.4.1 (x86_64-darwin13)

MVC

do you remember what it is?



Routing

open config/routes.rb



Routes explained

- Routes are the translation from the URL you type in your browser to the corresponding controller / page which you want to show for a given url
- add `root pages#index'` to your file. This makes that the basic url without anything redirects to the index view of your welcome controller.
- use `rails routes` to display the given routes



\$ bin/rails generate controller Pages index



Details about generating a controller

- Creates a controller with the name Pages
- Creates the index action for the controller
- Creates the index view for the controller

Info:

- Normally controller names are plural
- Don't use scaffolding until you just want to have a mini click prototype because it clutters your application with useless stuff

**visit: <http://localhost:3000> and
<http://localhost:3000/pages/index>**

x



Creating a second controller action

- add an about_me method in the pages controller
- add the about_me route in routing
- add the about_me view and add your name

visit: http://localhost:3000/about_me

Models

time to save something to our database

The background is a solid orange color. In the top right corner, there are three decorative elements: a small circle, a medium circle, and a large circle. Each of these circles contains a smaller, semi-transparent circle with a triangular wedge removed, creating a stylized 'C' or 'D' shape.

**bin/rails generate model Job title:string
description:text from:date to:date**



Key takeaways

- if you want to change something in your database you always need to create a database migration
- after creating the migration you need to run rails db:migrate in order to update your database
- there are different types of database fields from which you can choose (main three: text, number, date)

Controllers

the part where everything comes together



The background is a solid orange color. In the top right corner, there are three decorative circles of varying sizes. Each circle has a lighter orange segment on its right side, creating a sense of depth or a 3D effect.

config/routes.rb add

resources :jobs

it creates CRUD routes for the model



```
def controller_action
```

```
  do something
```

```
  (automatically renders view with same name as action)
```

```
end
```

Views

showtime



**with forms you can save user
input data to the database**



Homework

- create 3 different pages, with one linking to each other



Useful links:

- <https://github.com/mkhair/materialize-sass>
- <https://github.com/twbs/bootstrap-sass>
- http://guides.rubyonrails.org/getting_started.html