

Rails trainings

Introduction & fundamentals

Where to get informations

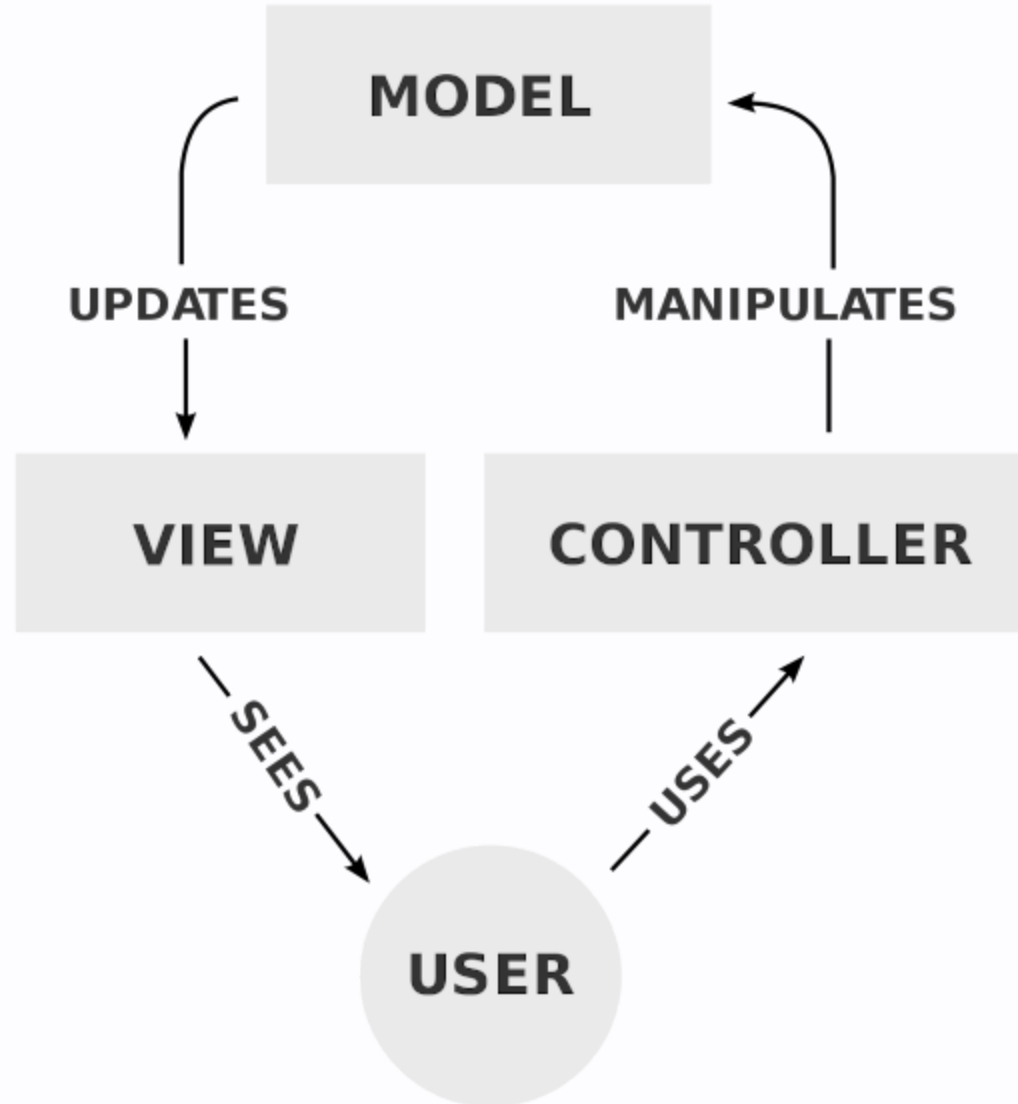
- [Rails guide](#)
- [Rails API](#)
- [Gist with common commands](#)

What is Rails ?

Philosophy

- Don't Repeat Yourself
- Convention Over Configuration
- MVC pattern

MVC pattern



Views

- Present data to user
- Allow user to interact with the data

Tools and library

- Haml
- Angular 1
- Helpers
- Internationalization
- Coffee script
- Cells

Views - Angular 1

- difference `ngShow` / `ngHide` and `ngIf`

Views - **Ham**l

Syntax

```
%section.container  
  %h1= post.title  
  %strong.code#message Hello, World!
```

Partials

```
= render 'sidebar'
```

Ruby variables

```
.content  
  = @podcast.name
```

Views - Internationalization

- Uses locales files
- Syntax :

```
t('reset_password.reset_page.password_changed')  
I18n.t('forgot_password.reset_cannot_be_delivered')
```


Models

- Represent the data
- Interact with the database (postgresql)
- Check for validity of data
- Relations between models
- Validation
- Before filters
- Scopes

Controllers

- Find the correct view
- Check permissions
- Instance variables
- Concerns

Active record

database manager

- Schema configured in `db/schema.rb`
- Uses migrations files stored in `db/migrate`

Environments

`RAILS_ENV=`

- production
- development
- test

Routing

Configured in `config/routes.rb`

```
resources :networks, only: %i[index show create destroy]
```

Asset pipeline

- Sprockets
- Webpack
- Why Rails uses both

```
// Sprockets  
//= require jquery
```

```
// Webpack  
import '../application.css'
```

Rake tasks

- Small script to perform specific action
- Stored in `lib/tasks`
- Used to run migrations
- `one_off` folder

Image server

API

- public API
- private API stored in `app/controllers/api/`
- how to find endpoints

Dependencies

- ruby gems
- bundler
- gemfile

Sidekiq

- run tasks in the background
- scheduler

Services folder

- creator and updator files