Rails Girls 2020

Ruby And Ruby on Rails

WIDE
WOMEN IN DIGITAL EMPOWERMENT

Co-founder & Lead Developer

taxx.lu

Salary.lu

Facture.lu

Shoebox.lu

Presented by
Steve Lourenço

Table of contents

Ruby

Ruby On Rails

Difference between Ruby and Ruby On Rails

- Ruby is the language
- Ruby On Rails is a framework (library) based of Ruby

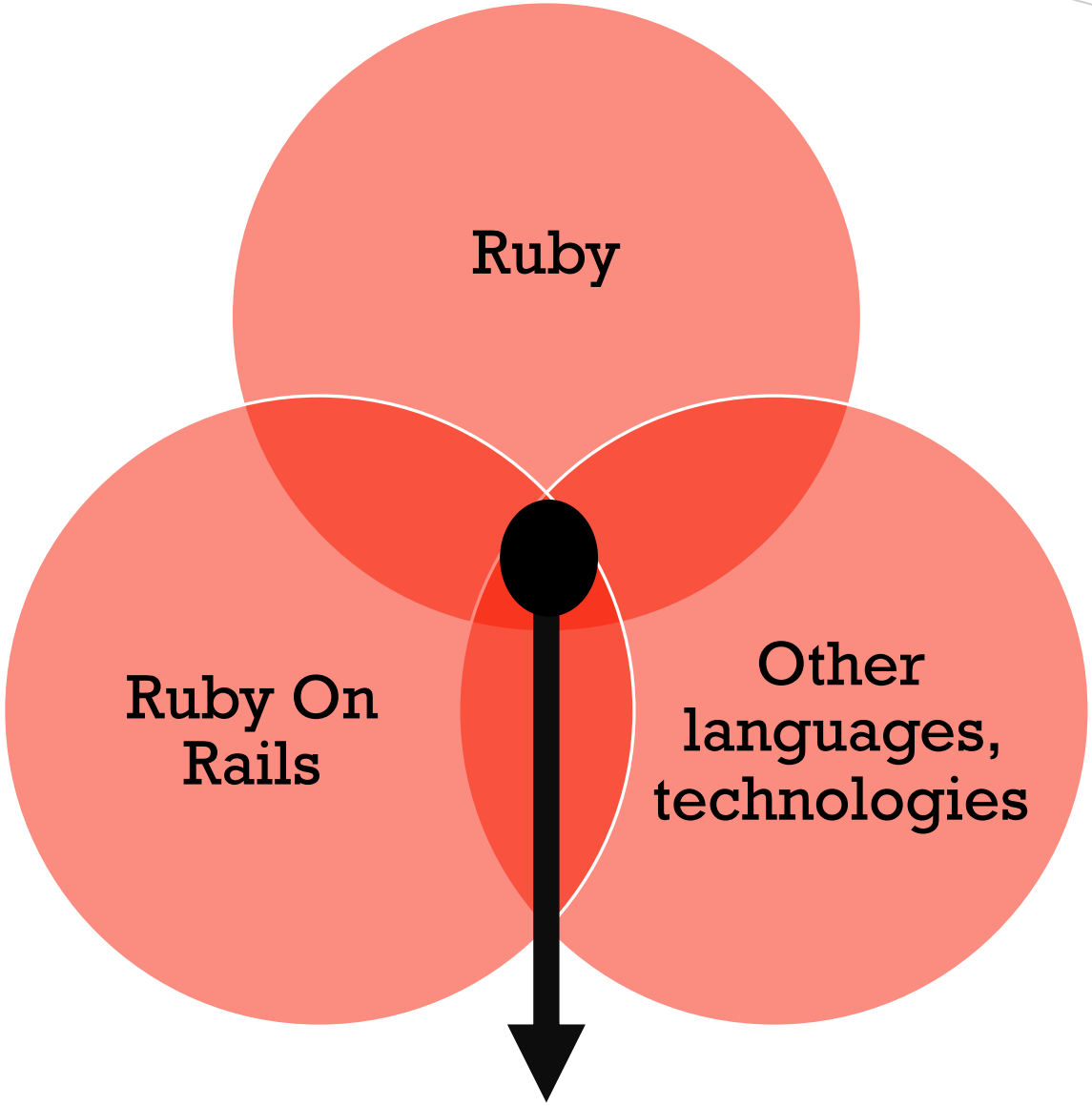
Difference between Ruby and Ruby On Rails

- Ruby is the language

- Ruby On Rails is a framework (library) based of Ruby

Real Life example: Luxembourgish is the language and the luxembourgish library is your framework

Goal of RailsGirls event



To create your (first) application

Ruby

https://try.ruby-lang.org/

Basic Guide: https://www.learnrubyonline.org/en/Welcome

Important basics

- Variables are used to save a specific information in a specific type
- Main types of variables:
  - String → 'Hello'
  - Integer (entire numbers) → 27
  - Float (decimal numbers) → 27,44
  - Boolean (true of false) → true
- Example:
  - event = 'Rails Girls 2020 Luxembourg'
  - coach = 'Steve'
  - puts "Welcome to #{event}! My name is #{name}! :)"

  Or
  - puts "Welcome to " + event + "! My name is " + name + "! :)"

Important basics

- Depending from the variable type the Operators (*, /, +, -) will have different meaning:
  - var1 = 1
  - var2 = 2
    - puts var1 + var2
    - Result: 3
  - var1 = 'Hello '
  - var2 = "people"
    - puts var1 + var2
    - Result: "Hello people"
- String variables need to be open and closed with the same quote.
  - 'Hello' (Single quote)
  - "Hello" (Double quote)
  - ~~'Hello"~~ (Single quote opening and closing with double quote does not work)

Important basics

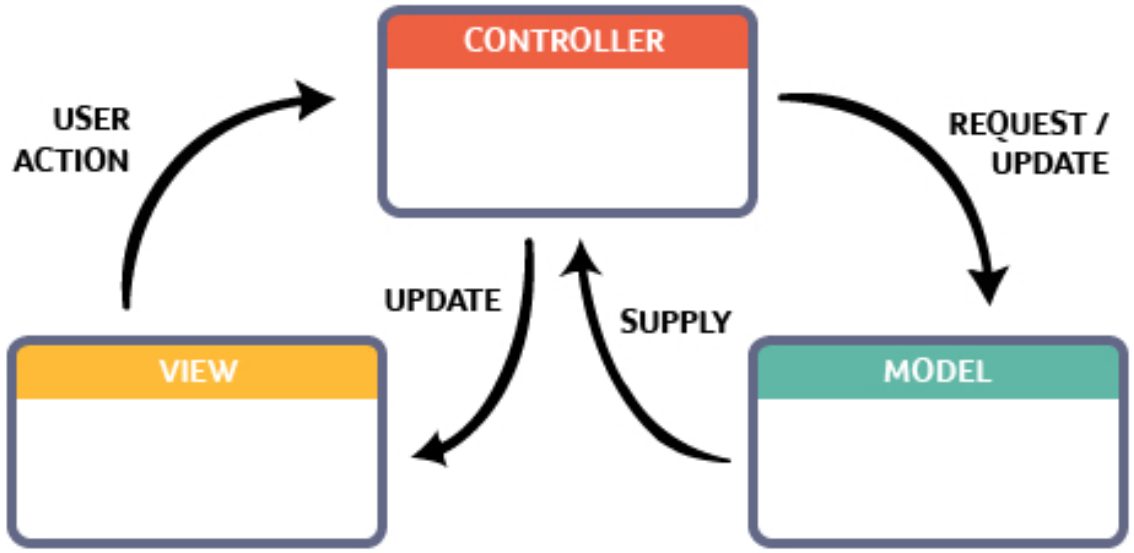
- Conditions
- Operators for comparison
  - == (equal?)
  - > (greater than)
  - >= (greather or equal than)
- Careful:
  - = (is not a comparison operator)
  - = is used to assign values
  - Example:
    - car = 'Tesla'
    - puts car
    - returns → Tesla

```
2.7.1 :001 > friend = true
2.7.1 :002 > if friend == true
2.7.1 :003 >   puts 'Hello friend'
2.7.1 :004 > else
2.7.1 :005 >   puts 'Bye stranger'
2.7.1 :006 > end
Hello friend
```

Ruby On Rails

Guide for beginners and professionals: https://guides.rubyonrails.org/getting_started.html

MVC Principle



app/views folder is where you put your content
app/controllers folder is where the decisions are made
app/models manipulate the data of a specific table

Let’s try together

Keep calm and enjoy! ☺