Ruby on Rails

A Web Application Framework

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Ruby on Rails (ROR)

- Ruby is the programming language used to manipulate the framework

- Rails is the framework that provides the necessary infrastructure
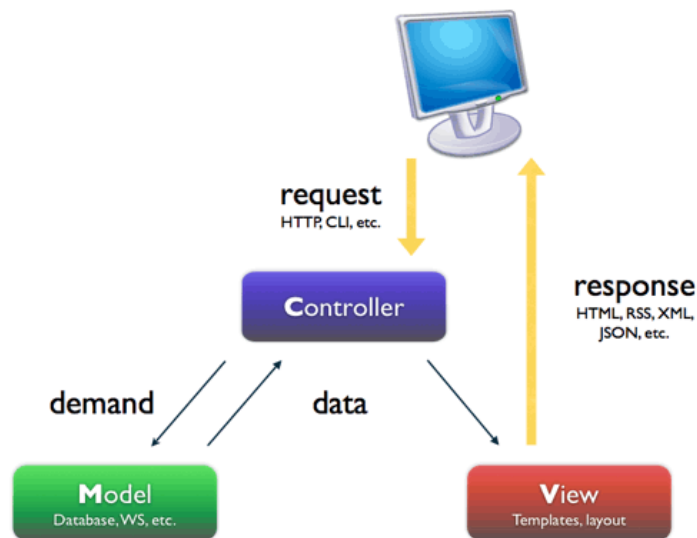
- Rails is written in Ruby

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Ruby

- Ruby is a scripting language designed by Yukihiro Matsumoto.

- It runs on a variety of platforms, such as Windows, Mac OS, and the various versions of UNIX.

- Ruby is an open-source and is freely available on the Web, but it is subject to a license.

- Ruby has a rich set of built-in functions, which can be used directly into Ruby scripts.

Ruby Syntax

- puts "Hello, World!"   # Hello, World!
- $var=10
  $var2=20
  print var + var2   # 30

- Ruby program has an extension of .rb
  - compilation/ run => ruby file_name.rb
- **irb** is the ruby interpreter

Classes

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- Can contain constants and methods

- Instances of object can be created from a class

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- Class methods vs Object methods

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Ruby Eccentricity

- No "conventional" functional overloading

- Return "Multiple" values

Code Time

Let's see some code!

Ruby on **Rails**

- Includes everything needed to create a database-driven web application using the Model-View-Controller pattern.
- Being a full-stack framework means that all layers are built to work seamlessly together Less Code.
- Requires fewer total lines of code than other frameworks spend setting up their XML configuration files.

Rails Framework

- Model (ActiveRecord)

- View (ActionView)

- Controller (ActionController)

Rails Directory Structure

- Let's create one and see it!

Diving into an oversimplified web-service in action

Codetime!