# Ruby on Rails 4: Getting Started

## Introduction

Samer Buna
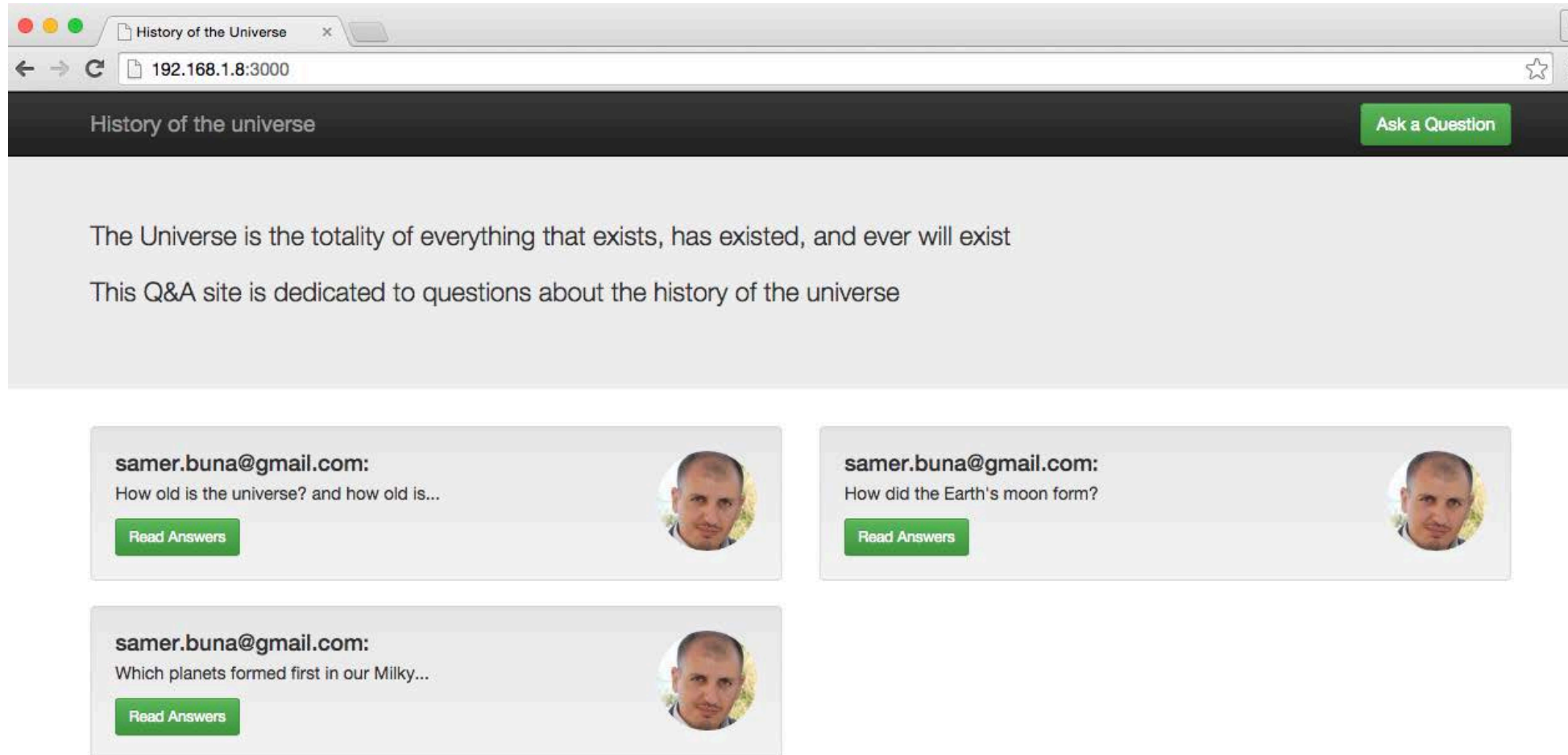
@samerbuna | samer.ps

# Ruby on Rails

**Web development that doesn't hurt**

Ruby on Rails® is an open-source web framework that's optimized for programmer happiness and sustainable productivity. It lets you write beautiful code by favoring convention over configuration.
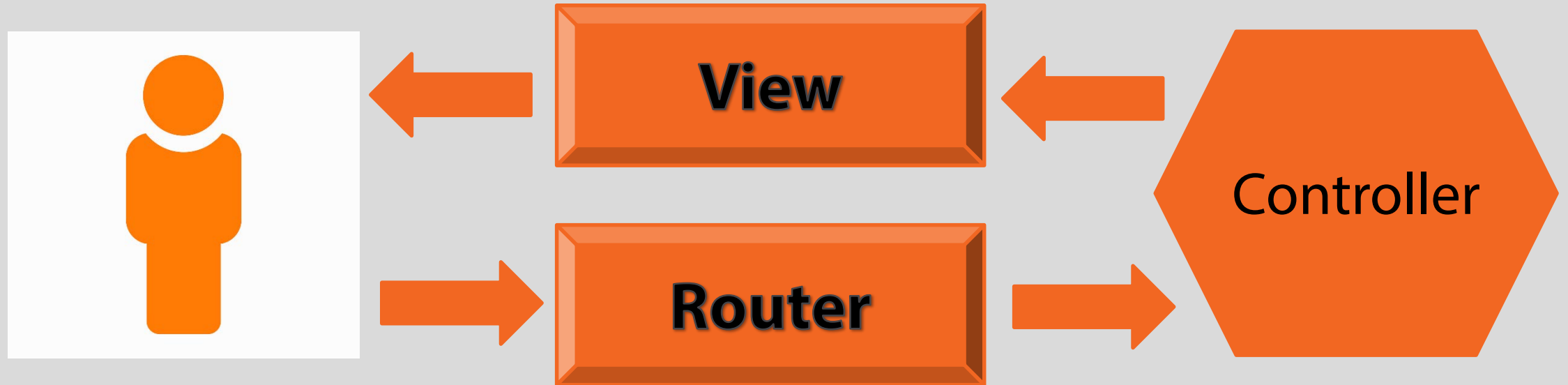
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**4.2**

# What Are We Building

# What Are We Learning?

**Route** = URL + HTTP Verb (GET, POST, PATCH, DELETE)

**Controller** is the C in MVC (Model View Controller)

# Controllers/Views/Assets/Deployment

Action View                          Action Controller

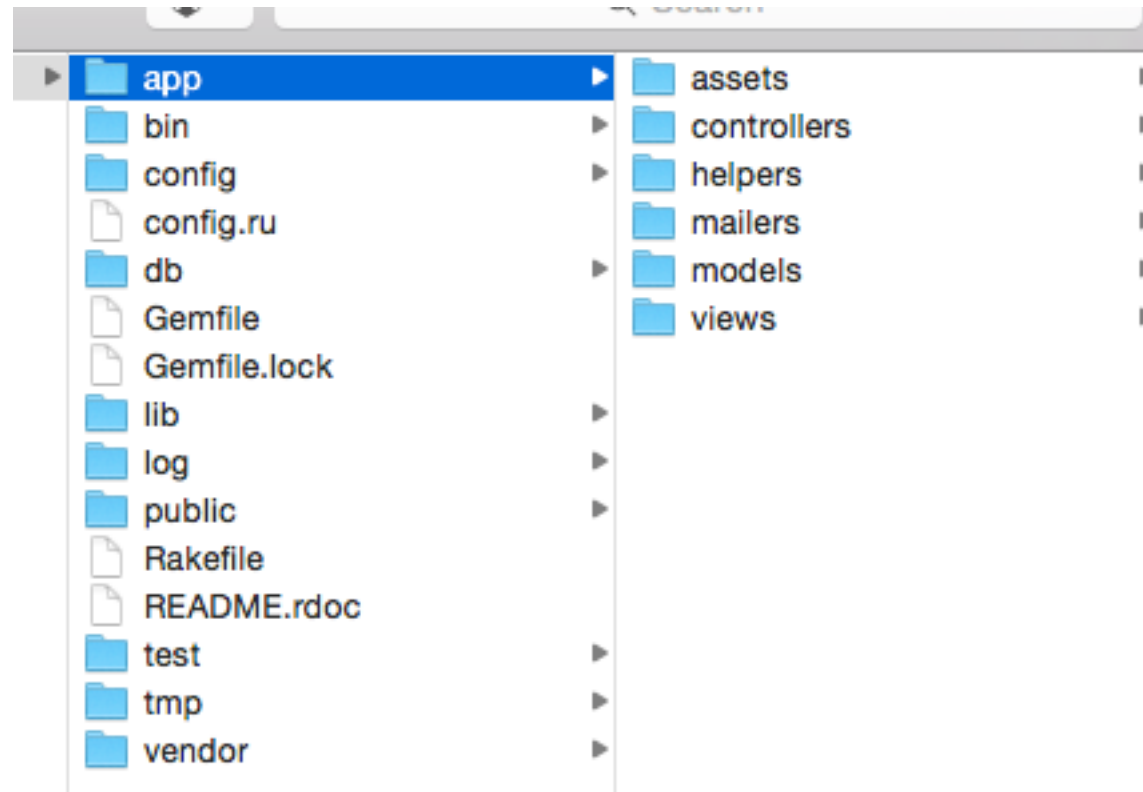Layouts and Rendering                Routing

Helpers                              Action Mailer and Active Job

Asset Pipeline            Deployment            Debugging

# Models and Database

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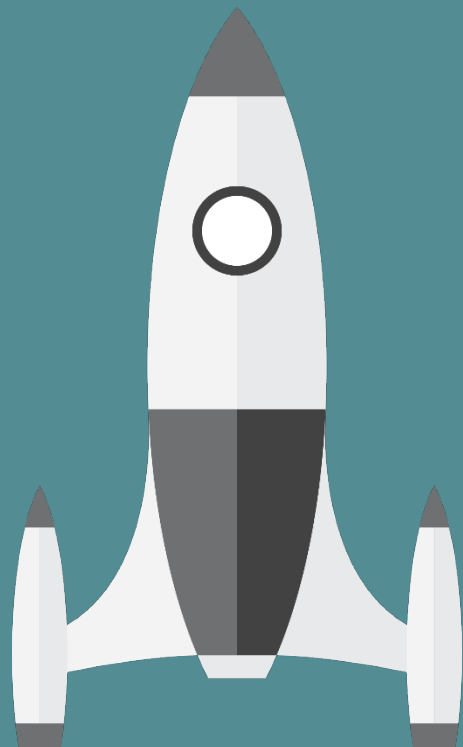
Active Record Basics

Active Record Associations

Active Record Migrations

Active Record Query Interface

Active Record Validations

**SQLite**

# Let's Get Started!

# Install Ruby and Rails



```
$ ruby --version



$ rvm install ruby

$ gem install rails

$ rails new --help
```

# New Rails Project
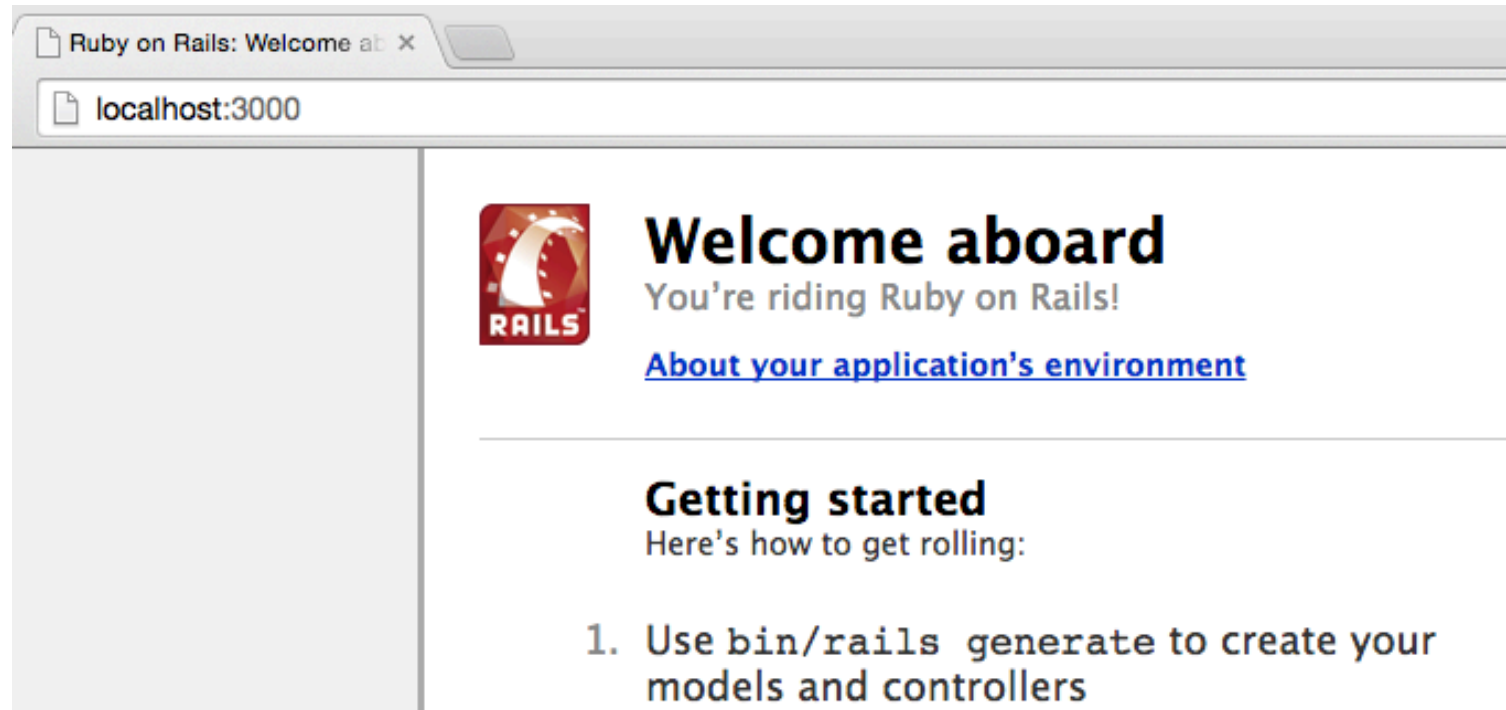
```
rails new HoU
```

```
cd HoU && rails server
```

# Ready

# CRUD

| CREATE | /questions | POST |
|--------|-----------|------|
| READ | /questions<br>/questions/:id | GET |
| UPDATE | /questions/:id | PATCH |
| DELETE | /questions/:id | DELETE |

```
resources :questions
```

# view.html.erb

```erb
<% @questions.each do |question| %>
  <div><%= question.user.email_address %></div>
  <div><%= question.body %></div>
<% end %>


<% if @questions.empty? %>
  No questions here
<% end %>
```

# Summary

Getting started with a Rails project

Rails generators

Routes (Verb + URL)

Views and Controllers

Mockup HTML with Bootstrap