

Rails Spring 2014

University of Washington Ruby Certificate Program

Date Thursday April 3rd 2014

Logistics

- Github Repo: https://github.com/UWE-Ruby/RailsSpring2014
- * Text Book: The Rails 4 Way Obie Fernandez
- * Office Hours: 7pm 9pm Tuesdays

The Rails Class

- In-Class Apps
- * At-Home Project

Rails Projects

- Web Application that will be useful to you
- Public Github
- Public Website
- Travis CI Testing
- Code Climate
- * BrakeMan

Resources

- * RailsGuides guides.rubyonrails.org
- * Rails API api.rubyonrails.org
- RailsCasts railscasts.com

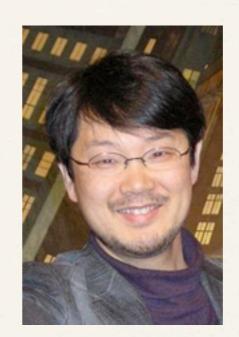
* RubyDoc - ruby-doc.org

Online Learning Resources

- http://railsforzombies.org/
- http://ruby.railstutorial.org/
- http://railsapps.github.io/



- * Ruby is the Language -
- developed 1993
- Yukihiro Matsumoto "Matz"



- Rails is the Framework -
- developed 2004
- David Heinemeier Hansson "DHH"



The Rails Way

- Opinionated Software
- Convention over Configuration
- DRY (Don't Repeat Yourself)
- * TDD (Test Driven Development)
- Less Code, More Productivity

RVM

sdfasdf

RVM Ruby Version Manager

- rvm list
- * rvm use
- rvm gemset list



- * rvm.io
- * For Rails:
- Project Specific Environment Settings

RVM Demo

- Gemset for Rails 4
- mkdir rvm_test
- cd rvm_test
- * rvm --create use 2.0.0@rails4 --rvmrc
 - * OR
- * rvm --create use 2.0.0@rails4 --ruby-version
- gem install rails

Rails New

- How to create a new Rails app
- * rails new
- look at the options

Create a Class Management App

- * We want an app to manage Students, Classes, Teachers, Assignments, etc...
- rails new class_mngmt -T (skipping test unit to use rspec)

The Application Directory

- * The Root of our App: Rails root
- Entire App in one directory!

Run the App

- cd class_mngmt
- * rails
- * see rails commands
- rails server

Save a Baseline with git

- git init
- * git add.
- * git commit -m "add a bare rails app to track changes"

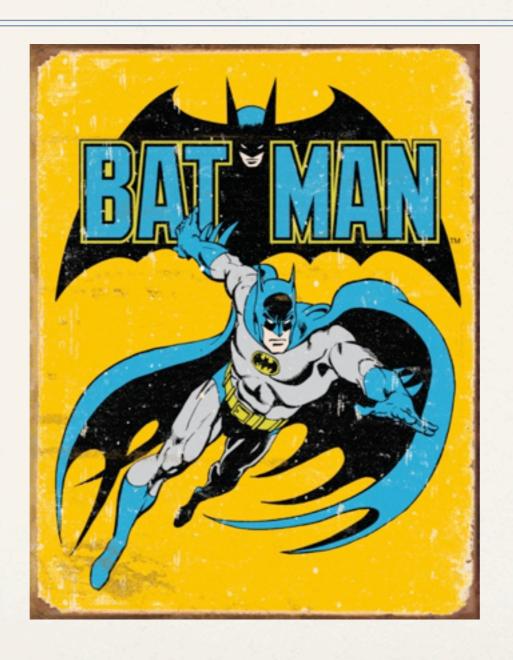
Adding and Modifying Static Content

- public/index.html
- public folder contains static content

Scaffolding

- rails generate
- see the generators
- rails g scaffold Student full_name age:integer bio:text profession favorite_ice_cream_flavor

Holy Generated Code BATMAN!



Homework!

- Reading:
 - * Chapter 1 Section 1.1 on Bundler
 - * Chapter 3 REST, Resources, and Rails Sections 3.1 3.6
- * Code:
 - Create new rails app
 - * Add a ruby version and gemset to it
 - * Add one page of static content
 - Create one Resource with Scaffolding
 - Put it on Github
- * Pull Request with Answers, Project description, and Link to Code