



# Rails Spring 2014

University of Washington Ruby Certificate Program

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*Date Thursday April 3rd 2014*



# Logistics

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

# The Rails Class

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- ❖ In-Class Apps
- ❖ At-Home Project



# Rails Projects

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

# Resources

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- ❖ RailsGuides - [guides.rubyonrails.org](http://guides.rubyonrails.org)
- ❖ Rails API - [api.rubyonrails.org](http://api.rubyonrails.org)
- ❖ RailsCasts - [railscasts.com](http://railscasts.com)
- ❖ RubyDoc - [ruby-doc.org](http://ruby-doc.org)



# Online Learning Resources

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





# Ruby vs. Rails

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- ❖ Ruby is the Language -
  - ❖ developed 1993
  - ❖ Yukihiro Matsumoto “Matz”
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- ❖ Rails is the Framework -
  - ❖ developed 2004
  - ❖ David Heinemeier Hansson “DHH”





# The Rails Way

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



# RVM

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❖ sdfasdf



# RVM

## Ruby Version Manager

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- ❖ `rvm list`
- ❖ `rvm use`
- ❖ `rvm gemset list`



- ❖ `rvm.io`
- ❖ For Rails:
  - ❖ Project Specific Environment Settings



# RVM Demo

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- ❖ **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

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



# Create a Class Management App

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- ❖ 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

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



# Run the App

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- ❖ `cd class_mngmt`
- ❖ `rails`
- ❖ `see rails commands`
- ❖ `rails server`



# Save a Baseline with git

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



# Adding and Modifying Static Content

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

# Scaffolding

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- ❖ rails generate
- ❖ see the generators
- ❖ rails g scaffold Student full\_name age:integer bio:text profession favorite\_ice\_cream\_flavor



# Holy Generated Code BATMAN!

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# Homework!

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- ❖ 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