





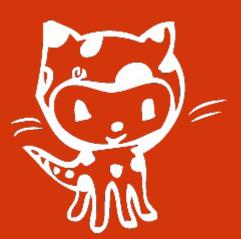




Hello Programming



Stefania Farrugia, RailsGirls Galway









The Plan

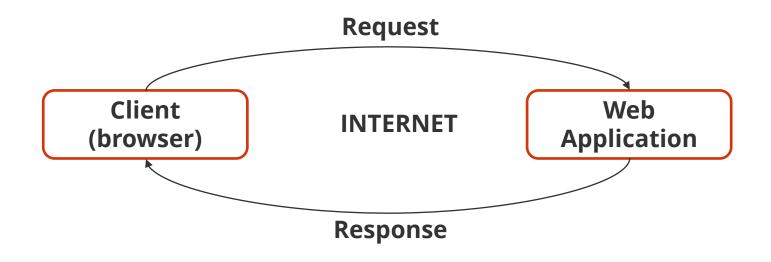
- What are Web Applications?
- What are Programming Languages?
- What is Ruby on Rails?
- Getting Started with Ruby on Rails



What are Web Applications?

Web Applications

- Receive a request from a user
- Do something
- Return a result back to the user



Static Websites

- Fixed Content
- Same info to all users
- Needs to be updated manually



Dynamic Websites

- Content is not fixed
- Customised experience for the user
- Frequently updated



















What are Programming Languages?

Let's cook...

Cooking vs Web Apps

COOKING	WEB APPLICATION
RECIPE	SPECIFICATION
COOKING SET	FRAMEWORK
COOKING UTENSILS	LIBRARY
RAW INGREDIENTS	PROGRAMMING LANGUAGE

Specification (The Recipe)

- What shall we do?
- How shall we do it?

Framework (The Cooking Set)

- Baking Set (baking)
- Sushi Set (making Sushi)
- Cheese Set (presenting cheese)

Framework (The Cooking Set)

- Rails Framework (web applications)
- Android Framework (android applications)
- Libgdx Framework (game applications)

Library (The Cooking Utensils)

- Knife (cutting)
- Rolling Pin (rolling dough)
- Oven (baking)

Library (The Cooking Utensils)

- Sqlite3 (sql database)
- Carrier Wave (file uploading)
- OmniAuth (authentication framework)



Programming Language (The Raw Ingredients)

- Bread, ham, cheese (sandwich)
- Mushrooms, onions, stock (soup)
- Eggs, milk, butter (omelette)

Programming Language (The Raw Ingredients)

- Ruby Language (web applications)
- Java Language (enterprise applications)
- Objective-C Language (mobile applications)



What is Ruby on Rails?



What is Ruby?

The programming language

```
> 5.times {print "Odelay"}

=> "OdelayOdelayOdelayOdelay"

Not enough Odelay!

> |
```

What is Rails?

- The underlying framework
- Used for web programming



What is Ruby on Rails?

- Open-source
- A web application framework
- Lets you write beautiful code
- Optimised for programmer happiness ©





Let's Dive In

Tools

- Text Editor (Sublime Text, Komodo Edit, Vim, Emacs, Gedit...)
- Terminal / Command Prompt
- Web browser (Firefox, Safari, Chrome...)

Getting Started

- Follow the instructions at: http://guides.railsgirls.com/app/
- To view the app: <u>http://localhost:3000</u>

tryruby.org

Other Resources

- Rails for Zombies: <u>http://railsforzombies.org</u>
- Rails Guides: http://guides.rubyonrails.org/
- Code Quizzes: http://www.codequizzes.com/
- Rails Screencasts: <u>http://railscasts.com/</u>
- Codecademy: http://www.codecademy.com/tracks/ruby



Questions?



Thank You...

Happy Coding!