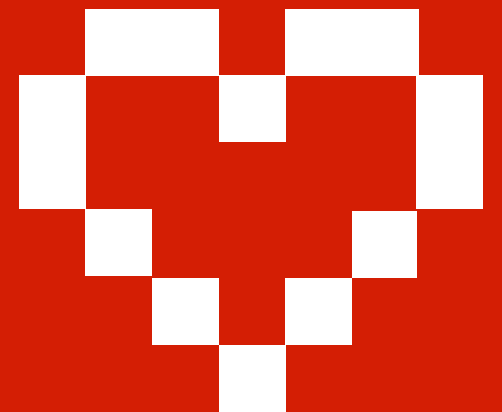
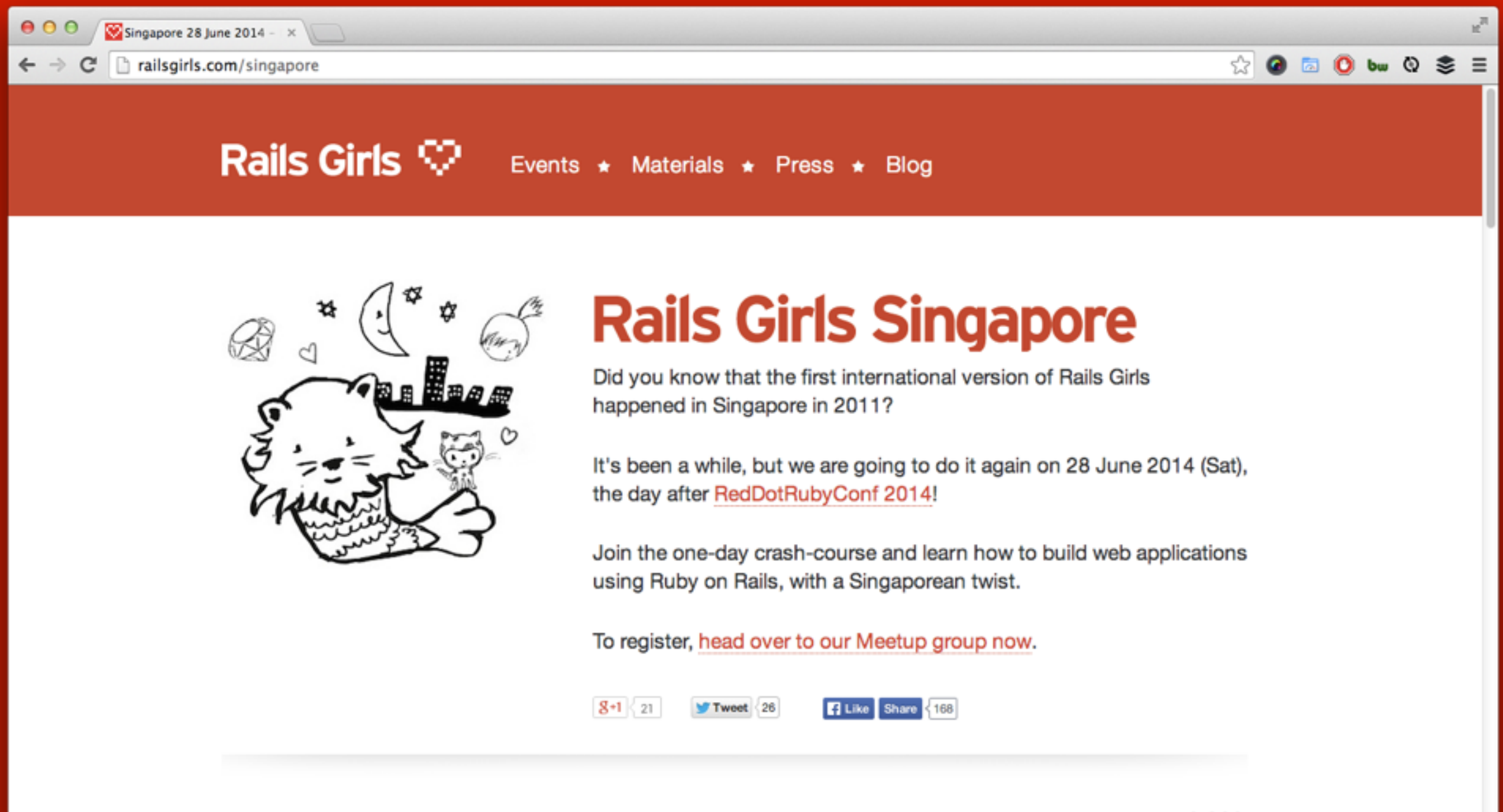


Rails Girls Singapore



railsgirls.com/singapore



What's Happening?

1000 Welcome!

1005 What's a Web App?

1015 What is Ruby? What is Rails?

1030 Let's try ruby.org

1100 Introduction to Nitrous.io

1115 Let's build a Rails app!

1230 Show and Tell

Sponsors

ThoughtWorks®

Organisers

Singapore Ruby Group

<http://ruby.sg>

Coaches

What's Rails Girls?



Started by
Linda Liukas
from Finland



GET

WOMEN EXCITED ABOUT TECHNOLOGY

AND

MAKE

THINGS

FROM CONCEPT TO CODE

Who + Why

See

The Web as a platform for your ideas.

Learn

Web Applications are not magic (but Rails is).

Realize

You can code too!

What's Happening?

1000 Welcome + Introductions!

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1015 What is Ruby? What is Rails?

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What's a Web App?

Internet?



A Restaurant!



In a Restaurant

You tell the **WAITER what you would like to eat (a **DISH**) by pointing on the **MENU**.**

The **WAITER delivers your request to the **CHEF**.**

The **CHEF prepares your **DISH**, and sends it back through the **WAITER** again.**

Online

You tell the **INTERNET what you would like to see (a **PAGE**) by pointing in the **BROWSER**.**

The **INTERNET delivers your request to the **SERVER**.**

The **SERVER prepares your **PAGE**, and sends it back through the **INTERNET** again.**

Internet?



Web Apps **act like...** **Chefs**

- **Take requests**
- **Do something with the requests**
- **Send the results back**

Creating a Web App

Ruby



Ruby Powered

- **Twitter**
- **Groupon**
- **Airbnb**
- **Shopify**
- **Hulu**
- **Viki**
- **Bloomberg**
- **Slideshare**
- **Basecamp**
- **Zendesk**
- **Friendster**
- **Wego**

What's Ruby?



台大就業對策會

台大就業對策會

台大就業對策會

台大就業對策會

台大就業對策會

code hard

History of Ruby

- **Creator is Yukihiro “Matz” Matsumoto**
- **Created in mid 1990s**
- **Influenced by Perl, Smalltalk, Eiffel, Ada and Lisp**
- **Coral vs. Ruby**
- **Ruby 1.8 (2003), 1.9 (2007), 2.0, 2.1**
- **Rails around 2005**



**I hope to see Ruby help
every programmer in the world
to be productive,
to enjoy programming,
and to be happy.**

That is the primary purpose of Ruby language.

– Yukihiro “Matz” Matsumoto

Why Ruby?

- **Ruby is fun!**
- **Ruby is productive!**
- **Ruby is beginner friendly!**
- **Ruby is elegant!**
- **Ruby engineers are in demand!**
- **Ruby community is amazing!**

What's Rails?

Ruby on Rails

Ruby on Rails



<http://rubyonrails.org>

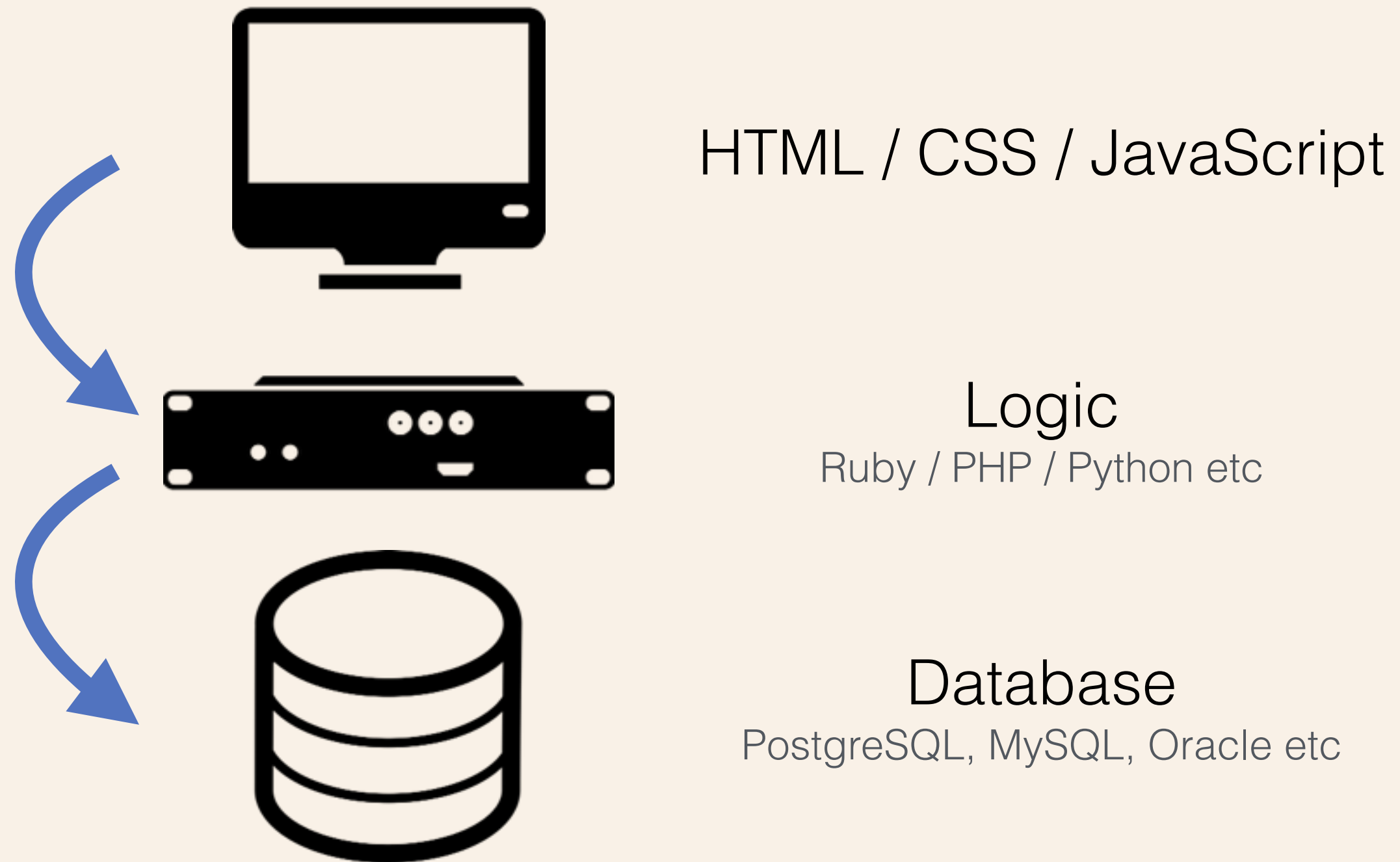


Photo: <http://etalks.me/wp-content/uploads/2014/03/David-Heinemeier-Hansson.jpg>

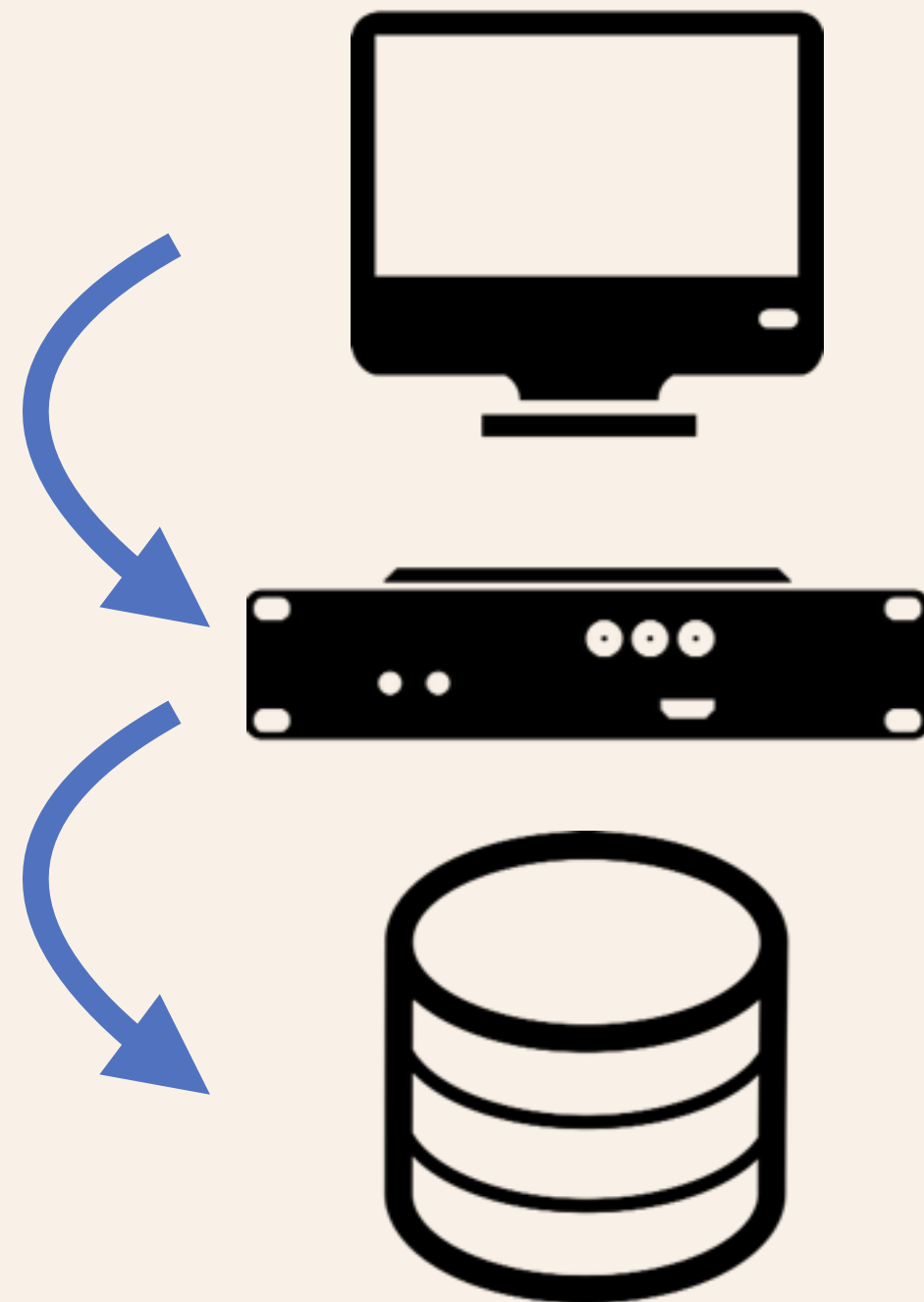
About Rails

- **Created by David Heinemeier Hansson (DHH)**
- **Extracted from basecamp.com**
- **Built on Ruby (with more magic!)**
- **MVC + Testing First**
- **DRY**
- **Convention Over Configuration**

Model-View-Controller



Model-View-Controller



View

HTML / CSS / JavaScript

Controller

Logic

Ruby / PHP / Python etc

Model

Database

PostgreSQL, MySQL, Oracle etc

Questions?

tryruby.org

30min

nitrous.io

Let's Build An App

[**guides.railsgirls.com/app/**](https://guides.railsgirls.com/app/)

Nitrous

Winston

← → ↻ <https://www.nitrous.io/app#/boxes/new> ☆ 🔔 🌐 📄 bw f? 🏠 ⚙️


NITROUS

⚡ 120 / 310


Invites Boxes Public Keys Home Help ▾ winston ▾

New Box


Pick a template




Ruby/Rails




Node.js




Python/Django



Go



PHP



Meteor

Name

gray-wheels-87

✎

Region

Southeast Asia

⬆ ⬆

Memory

512 MB

⬆

⚡ 160

Storage

1500 MB

⬆

⚡ 30

Remaining N2O

-70

⚡ 190

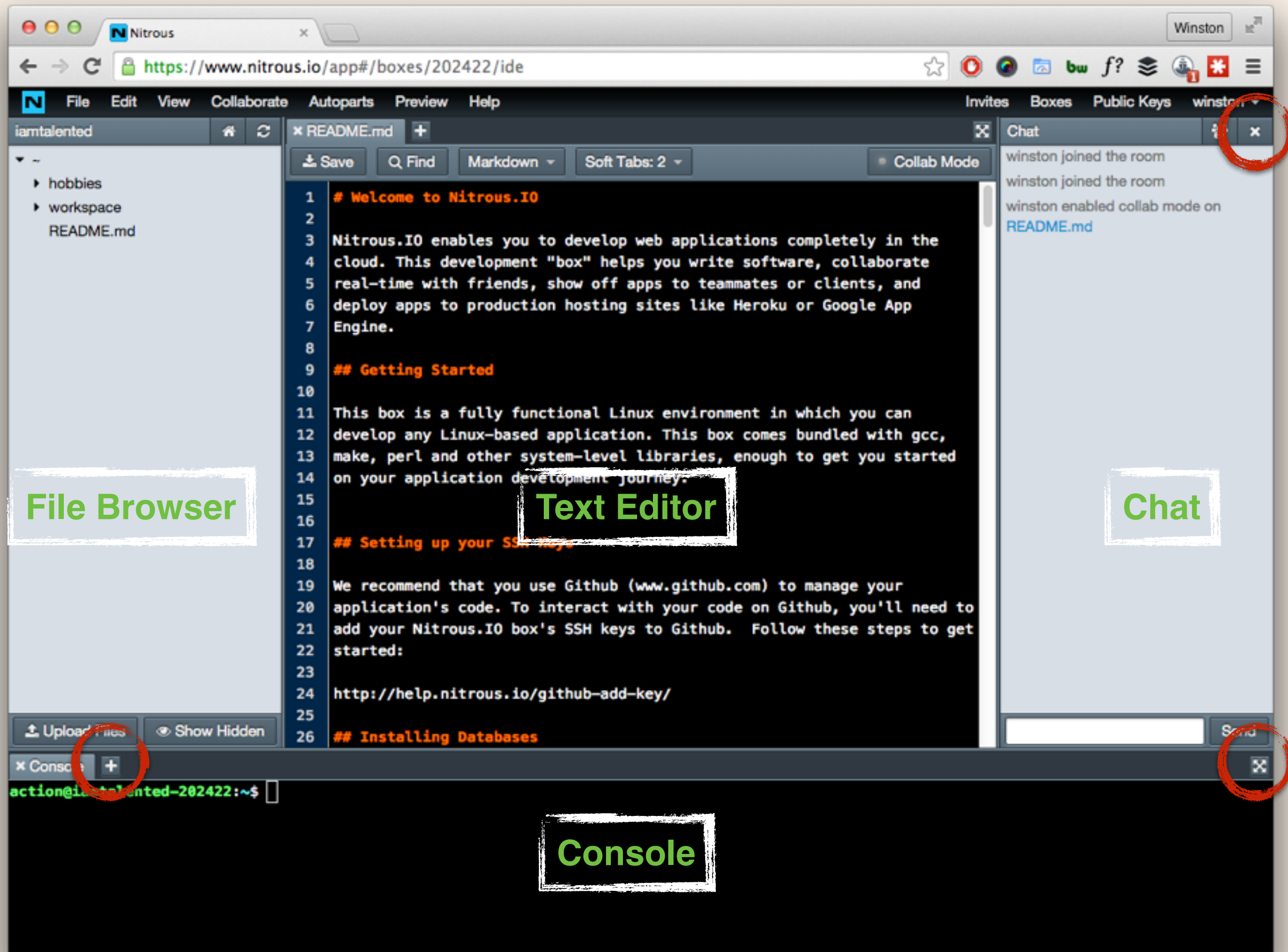
Download a Github repo

Optional, e.g. <https://github.com/rails/rails>

Create Box

Cancel

You do not have enough N2O to create this box. [Get More](#)



Console Commands

irb

```
>> pwd
```

```
>> ls -la
```

```
>> ruby -v
```

```
>> rails -v
```

Create a Rails App

irb

```
>> cd workspace
```

```
>> rails new hobbies
```

```
>> cd hobbies
```

```
>> ls -la
```

Start a Rails App

irb

```
>> rails server  
==> Booting WEBrick  
...  
...  
...  
>> <ctrl+c>
```

Nitrous Winston

https://www.nitrous.io/apse1/boxes/202422/ide

File Edit View Collaborate Autoparts Preview Help

iamtalented

- hobbies
- workspace
- README.md

Port 3000

Port 4000

Port 8080

Port 8888

Set Password...

Preview Help

Soft Tabs: 2 Collab Mode

Chat

winston joined the room

winston joined the room

winston enabled collab mode on [README.md](#)

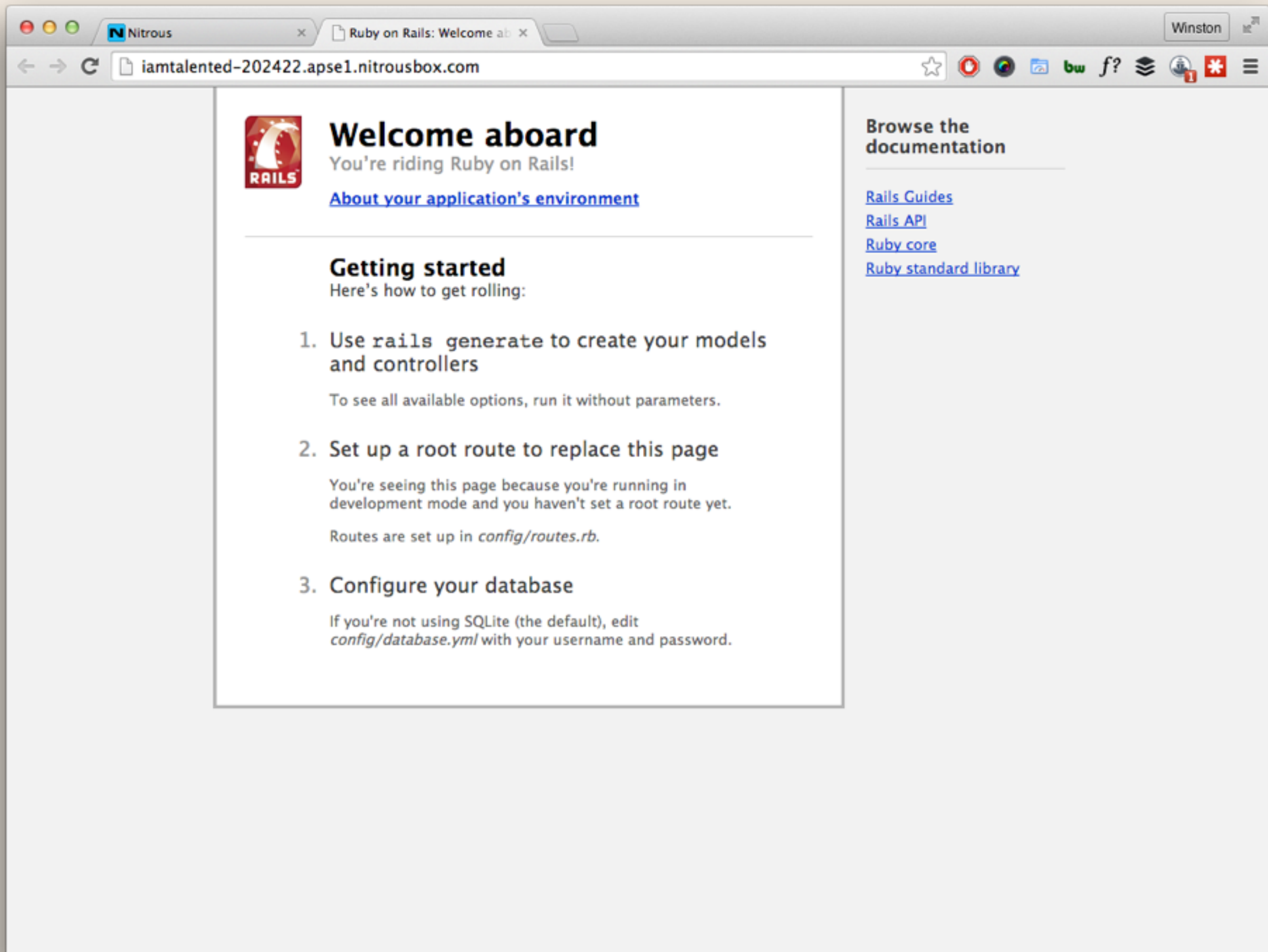
```
1 # Welcome to Nitrous.IO!
2
3 Nitrous.IO is a cloud-based IDE that helps you write software, collaborate
4 in real-time, and deploy your applications to production. You can even
5 deploy your applications to production hosting sites like Heroku or Google App
6 Engine.
7
8
9 ## Getting Started
10
11 This box is a fully functional Linux environment in which you can
12 develop any Linux-based application. This box comes bundled with gcc,
13 make, perl and other system-level libraries, enough to get you started
14 on your application development journey.
15
16
17 ## Setting up your SSH Keys
18
19 We recommend that you use Github (www.github.com) to manage your
20 application's code. To interact with your code on Github, you'll need to
21 add your Nitrous.IO box's SSH keys to Github. Follow these steps to get
22 started:
23
24 http://help.nitrous.io/github-add-key/
25
26 ## Installing Databases
```

Upload Files Show Hidden

Console

action@iamtalented-202422:~\$

iamtalented-202422.apse1.nitrousbox.com



> rails generate controller welcome index

app/views/shopagram/index.html.erb

- root path
- h1
- items + image + price + total price
- time right now + format time

Show and Tell

Thank You