

Rails Plugins

used/created in registrano.com

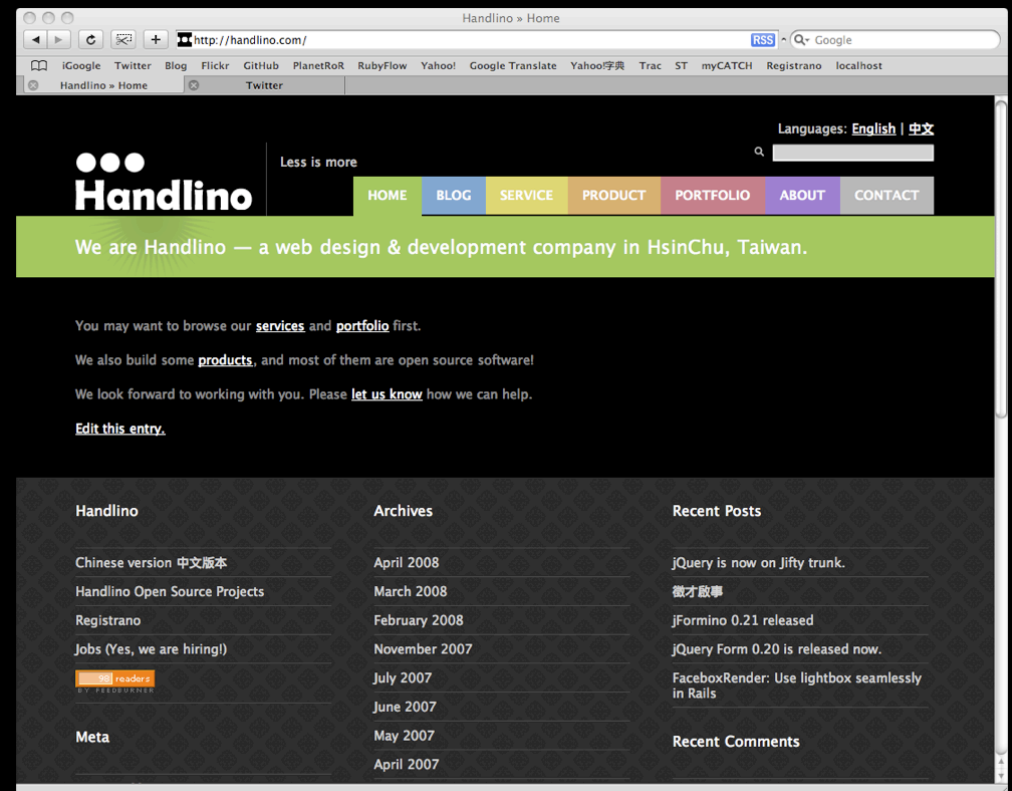
ihower@handlino.com

about me

- 張文鈿 (a.k.a ihower)
<http://ihower.idv.tw/blog/>



- 和多 Rails Developer
<http://handlino.com>



about me (cont.)

The screenshot shows the Registrano website lobby. The browser address bar displays 'http://registrano.com/#start'. The website header features the Registrano logo and the tagline '你的活動平台', along with a '登入或註冊' (Login or Register) link. The main content area is divided into several sections:

- Registrano 是你的線上活動平台**: A introductory paragraph explaining the platform's purpose for organizing various activities.
- 特色 Features**: A section highlighting key features, including:
 - 建立彈性十足的線上報名表單**: A feature for creating flexible online registration forms, described as simple and efficient.
 - 活動啟用點數**: A feature for activating activities, with a cost of \$800 per point or \$3600 for five points.
 - 活動費用代收**: A feature for collecting activity fees, with ATM fees of \$25 per person and credit card fees of 5% + \$10.
- 免費的基本服務**: A section titled 'FREE' (represented by a tag icon) stating that all basic functions are free, with a maximum capacity of 30 people per activity.
- 近來熱門活動**: A list of recent popular activities, such as '《網頁親和力》助寫贊助暨初回限定版預購' and '98學年度第2屆班聚'.

Ruby on Rails

- an open-source web framework for developing database-backed web applications

不可或缺的 Rails Plugin

不可能包山包海的 open-source framework

agenda

您不可不知道的超好用 plugins 大公開：

- 認證篇 / Model 篇 / Controller&View 篇
- Mash-up 篇 / 開發工具篇 / 上線篇 / 測試篇

熟悉常用的 plugins 跟熟悉 core 一樣重要

I. 認證篇

authentication

restful-authentication

```
./script/generate authenticated user sessions --include-activation
```

- 使用者註冊/登入/登出
- User model
- RESTful Session controller
- Activation mailer

open_id_authentication

- 支援 OpenID 登入
- openid session controller
- openid migration

openid_pack

- restful_authentication + open_id_authentication
同時支援用戶註冊或使用 OpenID 登入
- 和多出品

2. Model 篇

ActiveRecord

attachment_fu

```
has_attachment :storage => :file_system, :path_prefix => 'public/files',  
               :content_type => :image, :resize_to => [50,50]
```

- 將 model 當做一個檔案附件
- 支援 File system / amazon S3 / Database store

acts_as_tree

- 裝作一棵樹

```
class Category < ActiveRecord::Base
  acts_as_tree :order => "name"
end

root      = Category.create("name" => "root")
child1    = root.children.create("name" => "child1")
subchild1 = child1.children.create("name" => "subchild1")

root.parent    # => nil
child1.parent  # => root
root.children # => [child1]
root.children.first.children.first # => subchild1
```

acts_as_list

- 裝作列表

```
class TodoList < ActiveRecord::Base
  has_many :todo_items, :order => "position"
end
```

```
class TodoItem < ActiveRecord::Base
  belongs_to :todo_list
  acts_as_list :scope => :todo_list
end
```

```
todo_list.first.move_to_bottom
todo_list.last.move_higher
```

acts_as_taggable_on_steroids

- 裝作有標籤 tagging 功能

```
class Post < ActiveRecord::Base
  acts_as_taggable
end
```

```
p = Post.find(:first)
p.tag_list # []
p.tag_list = "Funny, Silly"
p.save
p.tag_list # ["Funny", "Silly"]

p.tag_list.add("Great", "Awful")
p.tag_list.remove("Funny")
```

acts_as_state_machine

- 裝作有限狀態機(FSM)

```
class Order < ActiveRecord::Base
  acts_as_state_machine :initial => :opened

  state :opened
  state :closed, :enter => Proc.new {lol Mailer.send_notice(o)}

  event :close do
    transitions :to => :closed, :from => :opened
  end

end

o = Order.create
o.close! # notice is sent by mailer
o.return!
```


acts_as_state_pattern

- 裝作會狀態範式，讓物件的行為隨著狀態的改變而改變
- 和多出品

```
class Event < ActiveRecord::Base

  acts_as_state [:foo, :bar]

  module Foo
    def blah
      'foo'
    end
  end

  module Bar
    def blah
      'bar'
    end
  end

end
```

```
event.foo? # true or false
event.bar?
```

```
event.foo!
event.blah # 'foo'
```

```
event.bar!
event.blah # 'bar'
```

```
event.current_state
```

acts_as_paranoid

- 裝作好像有刪除

```
class Widget < ActiveRecord::Base
  acts_as_paranoid
end
```

```
Widget.find(:all)
# SELECT * FROM widgets WHERE widgets.deleted_at IS NULL

Widget.find(:all, :with_deleted => true)
# SELECT * FROM widgets

Widget.count
# SELECT COUNT(*) FROM widgets WHERE widgets.deleted_at IS NULL

@widget.destroy
# UPDATE widgets SET deleted_at = '2005-09-17 17:46:36' WHERE id = 1

@widget.destroy!
# DELETE FROM widgets WHERE id = 1
```

validates_email_veracity_of

```
class User < ActiveRecord::Base
  validates_email_veracity_of :email
end
```

- 驗證 E-mail address

1. 正規表示法 `address =~ /^[^@\s]+@((?:[-a-z0-9]+\.)+[a-z]{2,})\Z/i`
2. 檢查 MX domain ， 可設定白名單

validates_url_of

```
class Foo < ActiveRecord::Base
  validates_url_of :url, :message => 'is not valid or not responding'.t
end
```

- 加上 http:// 如果資料缺少 http:// 或 https://
- 使用正規表示法檢查格式
- 和多出品

3. Controller&View 篇

ActionPack

will_paginate

- 分頁必備，包含 HTML helper 及 CSS style

```
@posts = Post.paginate :page => params[:page], :per_page => 50
```

```
<ol>
  <% for post in @posts -%>
    <li>Render `post` in some nice way.</li>
  <% end -%>
</ol>

<%= will_paginate @posts %>
```

will_paginate (cont.)

- 附贈 named_scope ，如果你還沒升級到 Rails 2.1

```
class Product < ActiveRecord::Base

  named_scope :cheap, :conditions => { :price => 0..5 }
  named_scope :recent, lambda { |*args| { :conditions => ["released_at > ?", (args.first || 2.weeks.ago)] } }
  named_scope :visible, :include => :category, :conditions => { 'categories.hidden' => false }

end
```

- 人人都愛的串接寫法

```
@products = Product.recent.cheap.paginate :page => params[:page], :per_page => 50
```

jRails

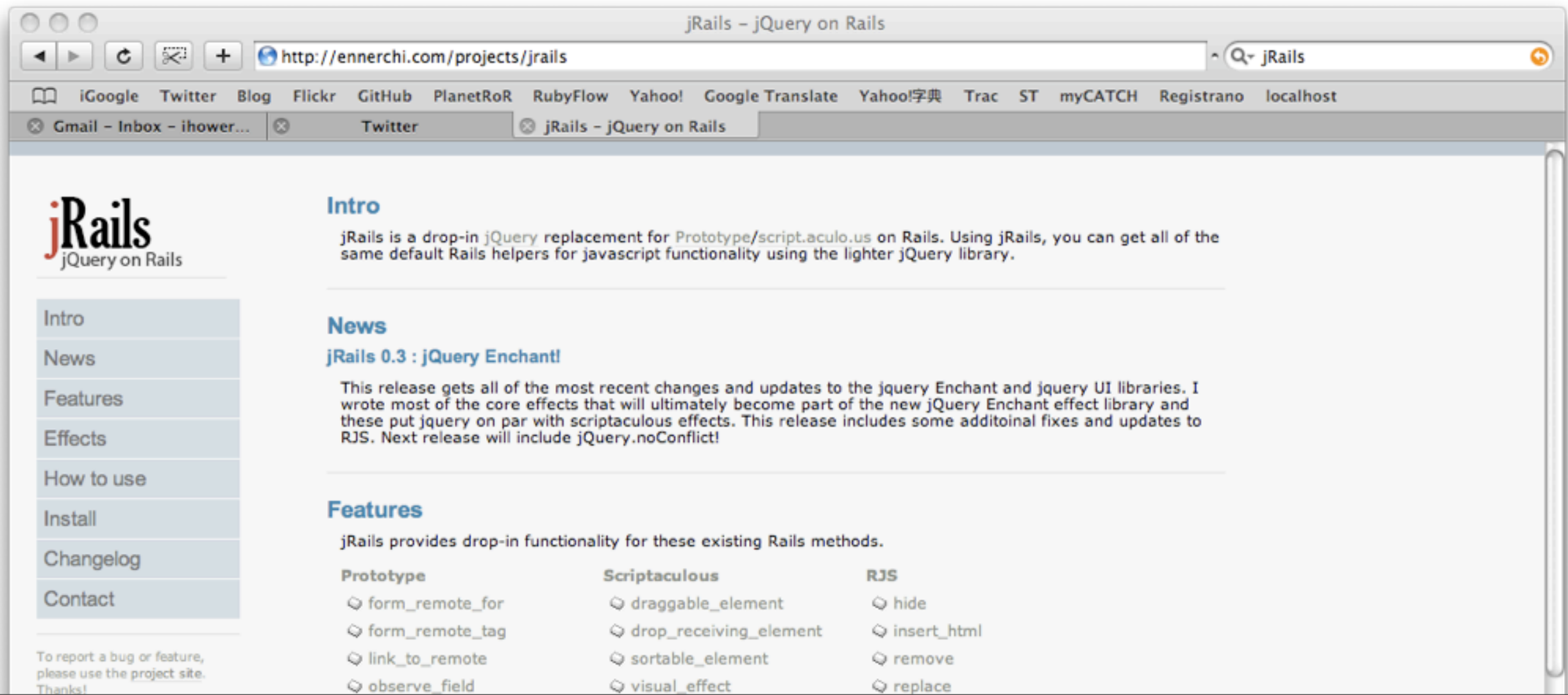
- 我們都愛 jQuery
byebye! Prototype.js



gugod



hlb

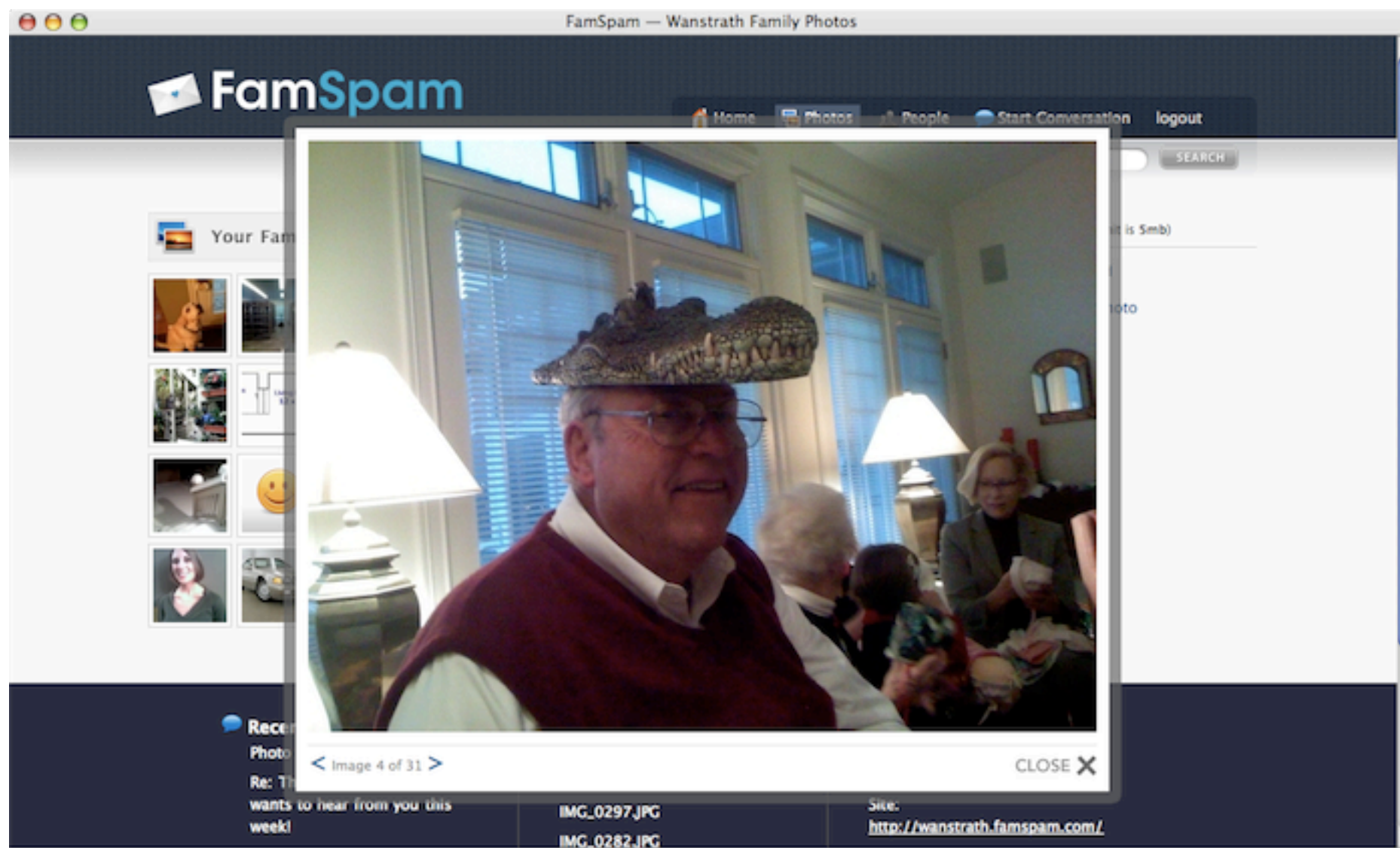


The screenshot shows a web browser window titled "jRails - jQuery on Rails". The address bar contains the URL "http://ennerchi.com/projects/jrails". The browser's tab bar shows several tabs, including "Gmail - Inbox - ihower...", "Twitter", and "jRails - jQuery on Rails". The main content area of the browser displays the jRails website. The website has a navigation menu on the left with links for "Intro", "News", "Features", "Effects", "How to use", "Install", "Changelog", and "Contact". The main content area is divided into sections: "Intro", "News", and "Features". The "Intro" section states: "jRails is a drop-in jQuery replacement for Prototype/script.aculo.us on Rails. Using jRails, you can get all of the same default Rails helpers for javascript functionality using the lighter jQuery library." The "News" section is titled "jRails 0.3 : jQuery Enchant!" and describes the release: "This release gets all of the most recent changes and updates to the jquery Enchant and jquery UI libraries. I wrote most of the core effects that will ultimately become part of the new jQuery Enchant effect library and these put jquery on par with scriptaculous effects. This release includes some additional fixes and updates to RJS. Next release will include jQuery.noConflict!" The "Features" section is titled "Features" and states: "jRails provides drop-in functionality for these existing Rails methods." Below this, there are three columns of methods: "Prototype", "Scriptaculous", and "RJS".

Prototype	Scriptaculous	RJS
form_remote_for	draggable_element	hide
form_remote_tag	drop_receiving_element	insert_html
link_to_remote	sortable_element	remove
observe_field	visual_effect	replace

facebox_render

- Facebox is a JQuery-based lightbox
<http://famspam.com/facebox/>



facebook_render (cont.)

- 無縫銜接 facebook ， 和多出品

```
class ApplicationController < ActionController::Base
  include FacebookRender
end
```

facebook_render (cont.)

- 無縫銜接 facebook ， 和多出品

```
class ApplicationController < ActionController::Base
  include FacebookRender
end
```

```
<%= facebook_link_to "Login", :url => new_session_url %>
```

facebook_render (cont.)

- 無縫銜接 facebook ， 和多出品

```
class ApplicationController < ActionController::Base
  include FacebookRender
end
```

```
<%= facebook_link_to "Login", :url => new_session_url %>
```




facebook_render (cont.)

- 無縫銜接 facebook ， 和多出品

```
class ApplicationController < ActionController::Base
  include FacebookRender
end
```

```
<%= facebook_link_to "Login", :url => new_session_url %>
```




```
def new
  # do some thing you want
  respond_to do |format|
    format.html
    format.js { render_facebook }
  end
end
```

facebook_render (cont.)

- 無縫銜接 facebook ， 和多出品

```
class ApplicationController < ActionController::Base
  include FacebookRender
end
```

```
<%= facebook_link_to "Login", :url => new_session_url %>
```



```
def new
  # do some thing you want
  respond_to do |format|
    format.html
    format.js { render_facebook }
  end
end
```

Home

Hosting Events

Attending Events

My Groups

Admin

Hosting Events > Java Conference > View Attendees

Java Conference

Dashboard


View Attendees

View Cancelled Attendees

Reports

Integration

 Create new attendee

 E-Mail to attendees

Batch Action:

Mail

Batch

20

records per page , sorted by

Register time

Submit

all / none	Reg No.	Name	E-Mail	Cellphone	Register Time	Status	Action
<input checked="" type="checkbox"/>	26	wilbur	wilbur@registrano.com		2008/06/08 4:34 PM		Show Edit Remove
<input checked="" type="checkbox"/>	25	webster	webster@registrano.com		2008/06/05 4:34 PM		Show Edit Remove
<input type="checkbox"/>	24	wayne	wayne@registrano.com		2008/06/04 4:34 PM		Show Edit Remove
<input type="checkbox"/>	23	wade	wade@registrano.com		2008/05/29 4:34 PM		Show Edit Remove
<input type="checkbox"/>	22	william	william@registrano.com		2008/05/27 4:34 PM		Show Edit Remove
<input type="checkbox"/>	21	warren	warren@registrano.com		2008/05/25 4:34 PM		Show Edit Remove
<input type="checkbox"/>	20	thomas	thomas@registrano.com		2008/05/17 4:34 PM	Approved	Show Edit Remove
<input type="checkbox"/>	19	tom	tom@registrano.com		2008/05/16 4:34 PM	Approved	Show Edit Remove
<input type="checkbox"/>	18	stuart	stuart@registrano.com		2008/05/11 4:34 PM	Approved	Show Edit Remove
<input type="checkbox"/>	17	rex	rex@registrano.com		2008/04/22 4:34 PM	Approved	Show Edit Remove
<input type="checkbox"/>	16	randy	randy@registrano.com		2008/04/21 4:34 PM	Approved	Show Edit Remove
<input type="checkbox"/>	15	patrick	patrick@registrano.com		2008/04/18 4:34 PM	Approved	Show Edit Remove
<input type="checkbox"/>	14	oliver	oliver@registrano.com		2008/04/15 4:34 PM	Approved	Show Edit Remove
<input type="checkbox"/>	13	ken	ken@registrano.com		2008/03/31 4:34 PM	Approved	Show Edit Remove

Ajax form submit

Home

Hosting Events

Attending Events

My Groups

Admin

Hosting Events > Java Conference > View Attendees

Java Conference

Dashboard

View Attendees

View Cancelled Attendees

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Create new attendee

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Batch Action:

Mail

Batch

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records per page , sorted by

Register time

Submit

all / none	Reg No.	Name	E-Mail	Cellphone	Register Time	Status	Action
<input checked="" type="checkbox"/>	26	wilbur	wilbur@registrano.com		2008/06/08 4:34 PM		Show Edit Remove
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<input type="checkbox"/>	24	wayne	wayne@registrano.com		2008/06/04 4:34 PM		Show Edit Remove
<input type="checkbox"/>	23	wade	wade@registrano.com		2008/05/29 4:34 PM		Show Edit Remove
<input type="checkbox"/>	22	william	william@registrano.com		2008/05/27 4:34 PM		Show Edit Remove
<input type="checkbox"/>	21	warren	warren@registrano.com		2008/05/25 4:34 PM		Show Edit Remove
<input type="checkbox"/>	20	thomas	thomas@registrano.com		2008/05/17 4:34 PM	Approved	Show Edit Remove
<input type="checkbox"/>	19	tom	tom@registrano.com		2008/05/16 4:34 PM	Approved	Show Edit Remove
<input type="checkbox"/>	18	stuart	stuart@registrano.com		2008/05/11 4:34 PM	Approved	Show Edit Remove
<input type="checkbox"/>	17	rex	rex@registrano.com		2008/04/22 4:34 PM	Approved	Show Edit Remove
<input type="checkbox"/>	16	randy	randy@registrano.com		2008/04/21 4:34 PM	Approved	Show Edit Remove
<input type="checkbox"/>	15	patrick	patrick@registrano.com		2008/04/18 4:34 PM	Approved	Show Edit Remove
<input type="checkbox"/>	14	oliver	oliver@registrano.com		2008/04/15 4:34 PM	Approved	Show Edit Remove
<input type="checkbox"/>	13	ken	ken@registrano.com		2008/03/31 4:34 PM	Approved	Show Edit Remove

Ajax form submit

Home

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Hosting Events > Java Conference > View Attendees

Java Conference

Dashboard

View Attendees

View Cancelled Attendees

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Create new attendee

E-Mail to attendees

Batch Action:

Mail

Batch

20

records per page , sorted by

Register time

Submit


all / none	Reg					
<input checked="" type="checkbox"/>	26	wilbur	wilbur@registrano.com		2008/06/08 4:34 PM	Show Edit Remove
<input checked="" type="checkbox"/>	25	webster	webster@registrano.com		2008/06/05 4:34 PM	Show Edit Remove
<input type="checkbox"/>	24	wayne	wayne@registrano.com		2008/06/04 4:34 PM	Show Edit Remove
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<input type="checkbox"/>	13	ken	ken@registrano.com		2008/03/31 4:34 PM	Approved Show Edit Remove

```
<% form_remote_tag :url => batch_event_attendees_path(@event) do %>
```

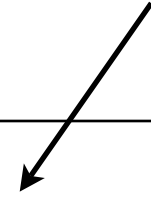
Ajax form submit

```
def batch
  ...
  respond_to do |format|
    format.html
    format.js { render_to_facebox }
  end
end
```

```
def batch
  ...
  respond_to do |format|
    format.html
    format.js { render_to_facebox }
  end
end
```



```
def batch
  ...
  respond_to do |format|
    format.html
    format.js { render_to_facebox }
  end
end
```



batch.html.erb

Hosting Events > Java Conference > View Attendees > Remove Attendees
Send message to 2 attendees

Dashboard
Create new
Batch Action: Ma

* Email Subject
Java Conference

Reply Email Address
registrano@handlino.com

all / none	Res						on
<input checked="" type="checkbox"/>	26						w Edit Remove
<input checked="" type="checkbox"/>	25						w Edit Remove
<input type="checkbox"/>	24						w Edit Remove
<input type="checkbox"/>	23						w Edit Remove
<input type="checkbox"/>	22						w Edit Remove
<input type="checkbox"/>	21						w Edit Remove
<input type="checkbox"/>	20						w Edit Remove
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<input type="checkbox"/>	17	rex	rex@registrano.com		2008/04/22 4:34 PM	Approved	Show Edit Remove
<input type="checkbox"/>	16	randy	randy@registrano.com		2008/04/21 4:34 PM	Approved	Show Edit Remove
<input type="checkbox"/>	15	patrick	patrick@registrano.com		2008/04/18 4:34 PM	Approved	Show Edit Remove
<input type="checkbox"/>	14	oliver	oliver@registrano.com		2008/04/15 4:34 PM	Approved	Show Edit Remove
<input type="checkbox"/>	13	ken	ken@registrano.com		2008/03/31 4:34 PM	Approved	Show Edit Remove

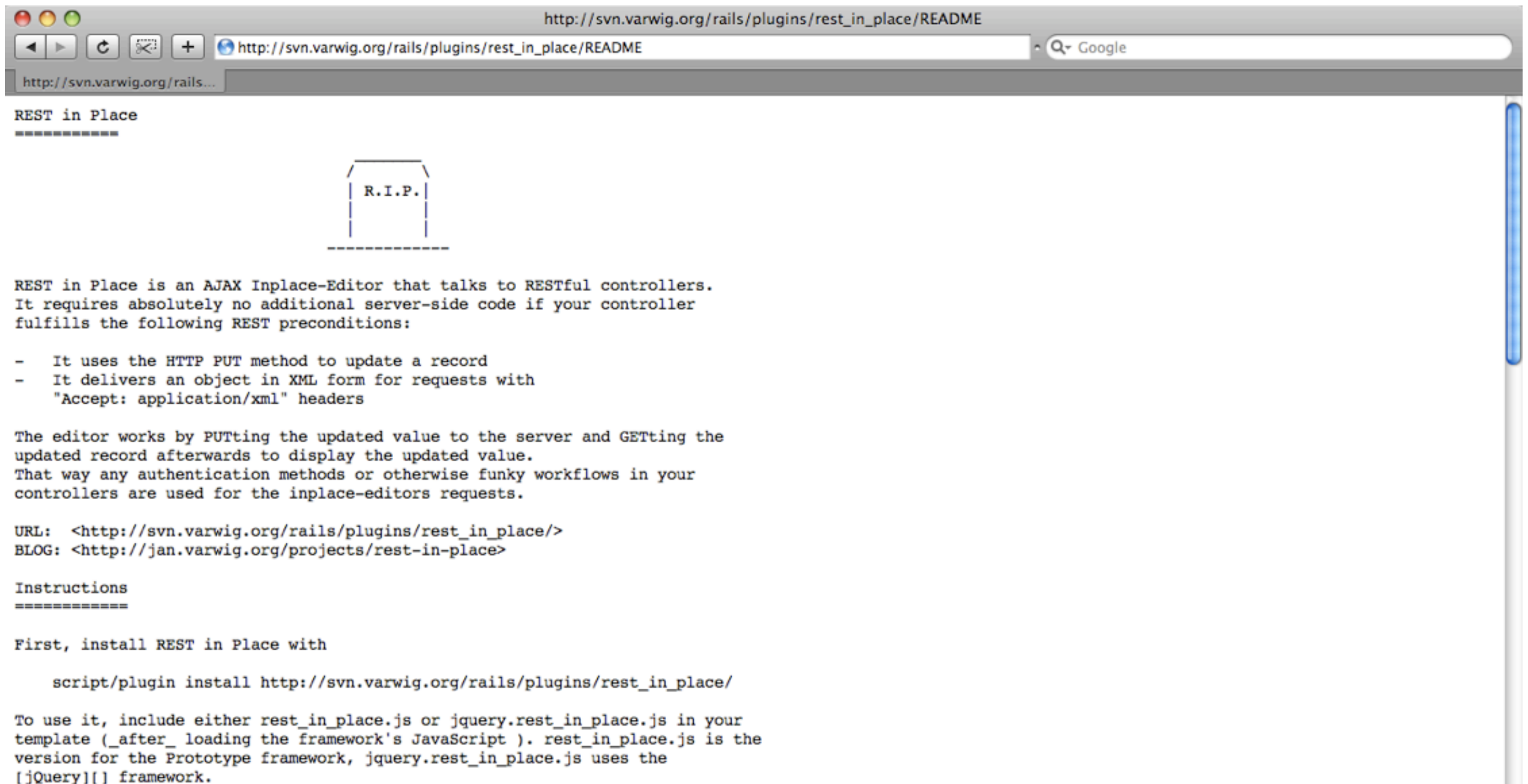
```
def batch
  ...
  respond_to do |format|
    format.html
    format.js { render_to_facebox }
  end
end
```

batch.html.erb

CLOSE X

rest_in_place

- jQuery 版的 RESTful Inplace Editor



The screenshot shows a web browser window with the address bar containing `http://svn.varwig.org/rails/plugins/rest_in_place/README`. The page content is as follows:

```
REST in Place
=====

  R.I.P.

REST in Place is an AJAX Inplace-Editor that talks to RESTful controllers.
It requires absolutely no additional server-side code if your controller
fulfills the following REST preconditions:

- It uses the HTTP PUT method to update a record
- It delivers an object in XML form for requests with
  "Accept: application/xml" headers

The editor works by PUTting the updated value to the server and GETting the
updated record afterwards to display the updated value.
That way any authentication methods or otherwise funky workflows in your
controllers are used for the inplace-editors requests.

URL: <http://svn.varwig.org/rails/plugins/rest_in_place/>
BLOG: <http://jan.varwig.org/projects/rest-in-place>

Instructions
=====

First, install REST in Place with

  script/plugin install http://svn.varwig.org/rails/plugins/rest_in_place/

To use it, include either rest_in_place.js or jquery.rest_in_place.js in your
template (_after_ loading the framework's JavaScript ). rest_in_place.js is the
version for the Prototype framework, jquery.rest_in_place.js uses the
[jQuery][] framework.
```


stickies

- 強化版的 flash[:notice] 提示訊息
- 四種不同種類的訊息提示，包含 CSS style 及 Javascript close 按鈕。

```
error_stickie("Your account has been disabled")  
warning_stickie("Your account will expire in 3 days")  
notice_stickie("Account activated")  
debug_stickie("This only works when RAILS_ENV is development")
```

Registrano
你的活動平台

Hi, Ihower (設定 / 0點數). 登出

首頁

舉辦活動列表

參與活動列表

我的群組

管理介面

設定已更新

<%= render_stickies %>



舉辦活動列表 > Registrano COSCUP年中慶抽獎活動

Registrano COSCUP年中慶抽獎活動 和多 Handlino

刪除

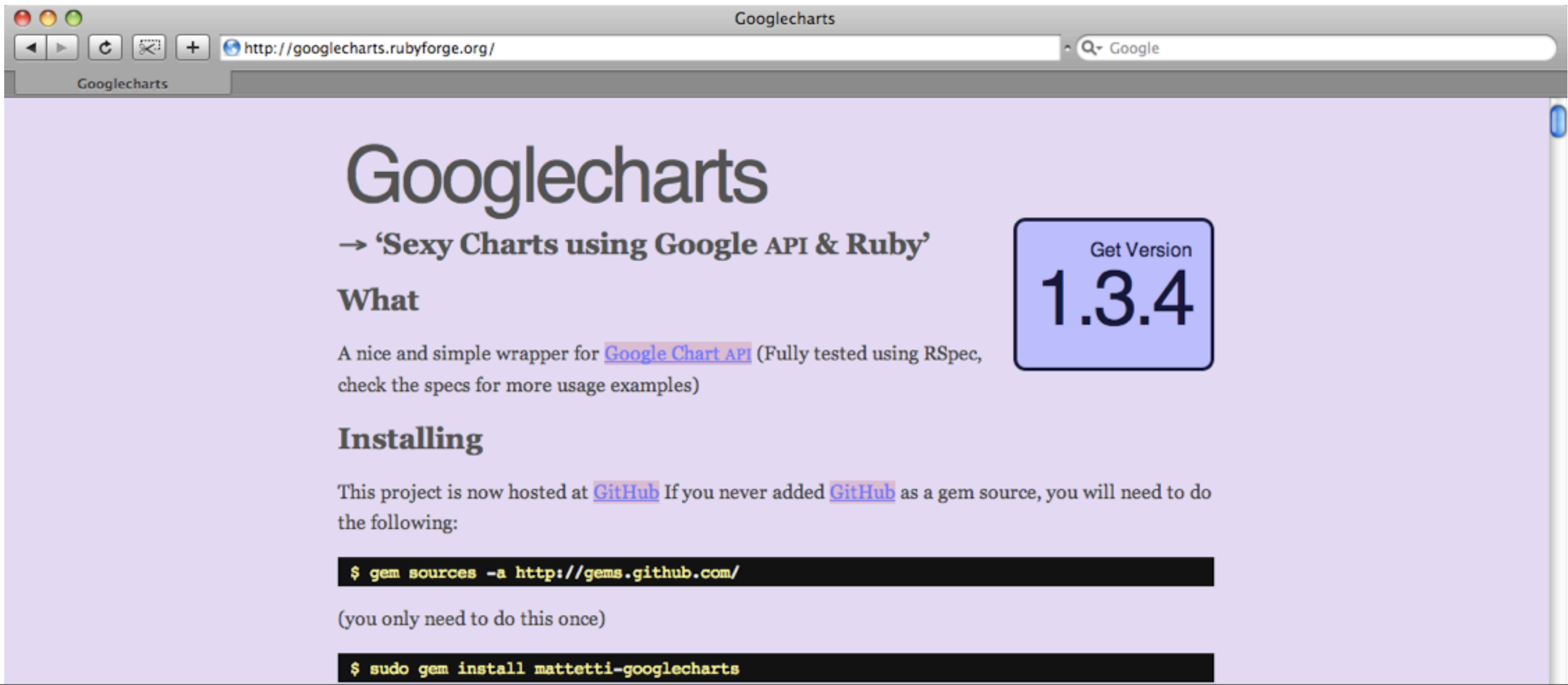
複製

瀏覽活動

googlecharts

- 提供 google charts helper

```
Gchart.line(:data => [0, 40, 10, 70, 20])
Gchart.bar(:data => [300, 100, 30, 200])
Gchart.pie(:data => [20, 35, 45])
Gchart.pie_3d(:data => [20, 35, 45])
Gchart.venn(:data => [100, 80, 60, 30, 30, 30, 10])
....
```



The screenshot shows a web browser window with the URL `http://googlecharts.rubyforge.org/`. The page title is "Googlecharts" and the subtitle is "→ 'Sexy Charts using Google API & Ruby'". A blue box on the right indicates the current version is "1.3.4". The "What" section describes it as a wrapper for the Google Chart API. The "Installing" section provides instructions on adding a gem source and installing the gem.

Googlecharts
→ 'Sexy Charts using Google API & Ruby'

What

A nice and simple wrapper for [Google Chart API](#) (Fully tested using RSpec, check the specs for more usage examples)

Installing

This project is now hosted at [GitHub](#) If you never added [GitHub](#) as a gem source, you will need to do the following:

```
$ gem sources -a http://gems.github.com/
```

(you only need to do this once)

```
$ sudo gem install mattetti-googlecharts
```


liquid

- 樣本(template)引擎，就像PHP的 Smarty

```
<ul id="products">
  {% for product in products %}
  <li>
    <h2>{{product.name}}</h2>
    Only {{product.price | price }}

    {{product.description | prettyprint | paragraph }}
  </li>
  {% endfor %}
</ul>
```

```
@template = Liquid::Template.parse("hi {{name}}") # Parses and compiles the template
@template.render( 'name' => 'tobi' )             # => "hi tobi"
```

SPAkit

- 輕鬆轉換現有的網頁成為 single page application (SPA)
- 所有的操作皆為 Ajax request，不 reload 頁面。
- 和多出品

```
<%= spakit_link_to 'new person', :url => new_person_path %>
```

```
<%= spakit_form_for @person, :url => people_path %>
```

ssl_requirement

- 自動 redirect 到 HTTPS or HTTP

```
class AccountController < ApplicationController
  include SslRequirement

  ssl_required :signup, :payment
  ssl_allowed :index
end
```

一定要 HTTPS

HTTPS 或 HTTP 皆可

globalize

- 處理多國語系
- 翻譯資料存在Database，方便後台直接修改
- 支援兩種語法：
_ (“hello world!”) 或 “hello world”.t

```
Locale.set("zh-TW")
```

```
<%= "Thanks for ordering!".t %> -> "感謝您的訂購"
```

```
<%= "You've got %d items in your cart" / 5 %> "您的購物車有五項物品"
```

BTW, 九月即將推出的 Rails 2.2 內建多語系支援

4. Mash up 篇

ym4r_gm

- Google Map on Rails

```
def index
  @map = GMap.new("map_div")
  @map.control_init(:large_map => true, :map_type => true)
  @map.center_zoom_init([75.5, -42.56], 4)
  @map.overlay_init(GMarker.new([75.6, -42.467], :title => "Hello", :info_window => "Info! Info!"))
end
```

```
<%= GMap.header %>
<%= @map.to_html %>
</head><body>
<%= @map.div(:width => 600, :height => 400) %>
```

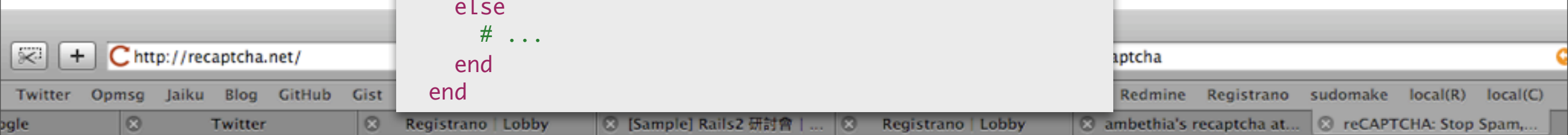


活動資訊 報名 地圖 留言



recaptcha

```
respond_to do |format|  
  if verify_recaptcha(@post) && @post.save  
    # ...  
  else  
    # ...  
  end  
end
```



reCAPTCHA™

- WHAT IS reCAPTCHA
- GET reCAPTCHA
- PROTECT YOUR EMAIL
- MY ACCOUNT
- RESOURCES

reCAPTCHA IS A FREE ANTI-BOT SERVICE THAT HELPS DIGITIZE BOOKS.

steamboat train, from New
this **morning** ran off the track
New-London. Four cars plunged



Type the two words:

→ LEARN HOW reCAPTCHA WORKS

USE reCAPTCHA ON YOUR SITE

- 🔒 STRONG SECURITY
- 🗣️ ACCESSIBLE TO BLIND USERS

active_merchant

- 刷卡 payment abstraction library.
a paypal example:

```
class PaymentsController < Business::BusinessController
  include ActiveMerchant::Billing::Integrations

  def paypal_ipn
    notify = Paypal::Notification.new(request.raw_post)

    if notify.acknowledge
      if notify.complete?
        ....
      else
        ....
      end
    end

    render :nothing => true
  end
end
```


5. 開發工具篇

development

factory_girl

- 製造假資料的工廠
- 因為這些資料也需要符合 Model validation

定義工廠

```
# This will guess the User class
Factory.define :user do |u|
  u.first_name 'John'
  u.last_name  'Doe'
  u.admin     false
end
```

生產

`Factory(:user)`

annotate_models

- 將資料庫的格式註解到 model 檔案裡面
- cd [your project]
annotate

```
# == Schema Information
#
#  id                :integer(11)  not null
#  quantity          :integer(11)
#  product_id        :integer(11)
#  unit_price        :float
#  order_id          :integer(11)
#
class LineItem < ActiveRecord::Base
  belongs_to :product
end
```

rails-footnotes

- I love TextMate editor
- 錯誤時可以直接點選打開檔案

NameError in LobbyController#index

```
uninitialized constant Mime::IPHONEEW
```

```
RAILS_ROOT: /Users/ihower/rails/Registrano
```

[Application Trace](#) | [Framework Trace](#) | [Full Trace](#)

```
/opt/local/lib/ruby/gems/1.8/gems/activesupport-2.1.0/lib/active_support/dependencies.rb:275:in `load_missing_constant'  
/opt/local/lib/ruby/gems/1.8/gems/activesupport-2.1.0/lib/active_support/dependencies.rb:467:in `const_missing'  
/opt/local/lib/ruby/gems/1.8/gems/actionpack-2.1.0/lib/action_controller/mime_responds.rb:146:in `const_get'  
/opt/local/lib/ruby/gems/1.8/gems/actionpack-2.1.0/lib/action_controller/mime_responds.rb:146:in `method_missing'  
/Users/ihower/rails/Registrano/app/controllers/lobby_controller.rb:8:in `index'  
/Users/ihower/rails/Registrano/app/controllers/lobby_controller.rb:6:in `index'
```



- 增加各種資訊及捷徑在每頁下方

Edit: Controller | View | Layout | Stylesheets (3) | Javascripts (1)
Show: Session | Cookies (8) | Params (2) | Filters | Routes | Queries (11) | Log | General Debug

6. 上線篇

deployment

bundle_fu

- 壓縮 Javascript 及 Stylesheet

```
<% bundle do %>
...
<%= javascript_include_tag "prototype" %>
<%= stylesheet_link_tag "basic.css" %>
<%= calendar_date_select_includes "red" %>
<script src="/javascripts/application.js" type="text/javascript"></script>
...
<% end %>
```

BUNDLE - FU

TURN THIS:

```
<script src="/javascripts/prototype.js?1187726365" type="text/javascript"></script>
<script src="/javascripts/effects.js?1187726365" type="text/javascript"></script>
<script src="/javascripts/builder.js?1187726365" type="text/javascript"></script>
<script src="/javascripts/application.js?1187726365" type="text/javascript"></script>
```

WOW!
IT'S
HOT HOT HOT!

exception_notification

- 出現 exception 例外時(500 error) , 自動寄發 E-mail 通知網站管理員
- 信件內容包含當時的 log 記錄

```
ExceptionNotifier.exception_recipients = %w(ihower@handlino.com)
ExceptionNotifier.sender_address = %("Registrano Exception Notifier" <service@registrano.com>)
ExceptionNotifier.email_prefix = "[Registrano Exception] "
```

ar_mailer

- 當有很多 E-mail 要發送的時候，需要非同步的 E-mail 發送

```
Class EventNotifier < ActionMailer::ARMailer  
  
  def signup_notification(user)  
    ...  
  end  
  
end
```

```
UserNotifier.deliver_signup_notification(@user)
```

Database

ar_sendmail
daemon



Capistrano

自動化 deploy 步驟

1. ssh to production server
2. svn checkout
3. run some your script (link file/copy config file/ clear cache...etc)
4. restart mongrel cluster



another choice:

Vlad



Vlad the Deployer

http://rubyhitsquad.com/Vlad_the_Deployer.html

iGoogle Twitter Blog Flickr GitHub PlanetRoR RubyFlow Yahoo! Google Translate Yahoo!字典 Trac ST myCATCH Registrano localhost

Gmail - Inbox - ihow... Twitter Yahoo!奇摩字典 {ihower.idv.tw} blog ... vlad - Google Search Capistrano: Home Vlad the Deployer

Ruby Hit Squad **Vlad the Deployer** About the Hit Squad



Vlad the Deployer

Pragmatic application deployment automation, without mercy.



Watch the screencast!

Project Goals:

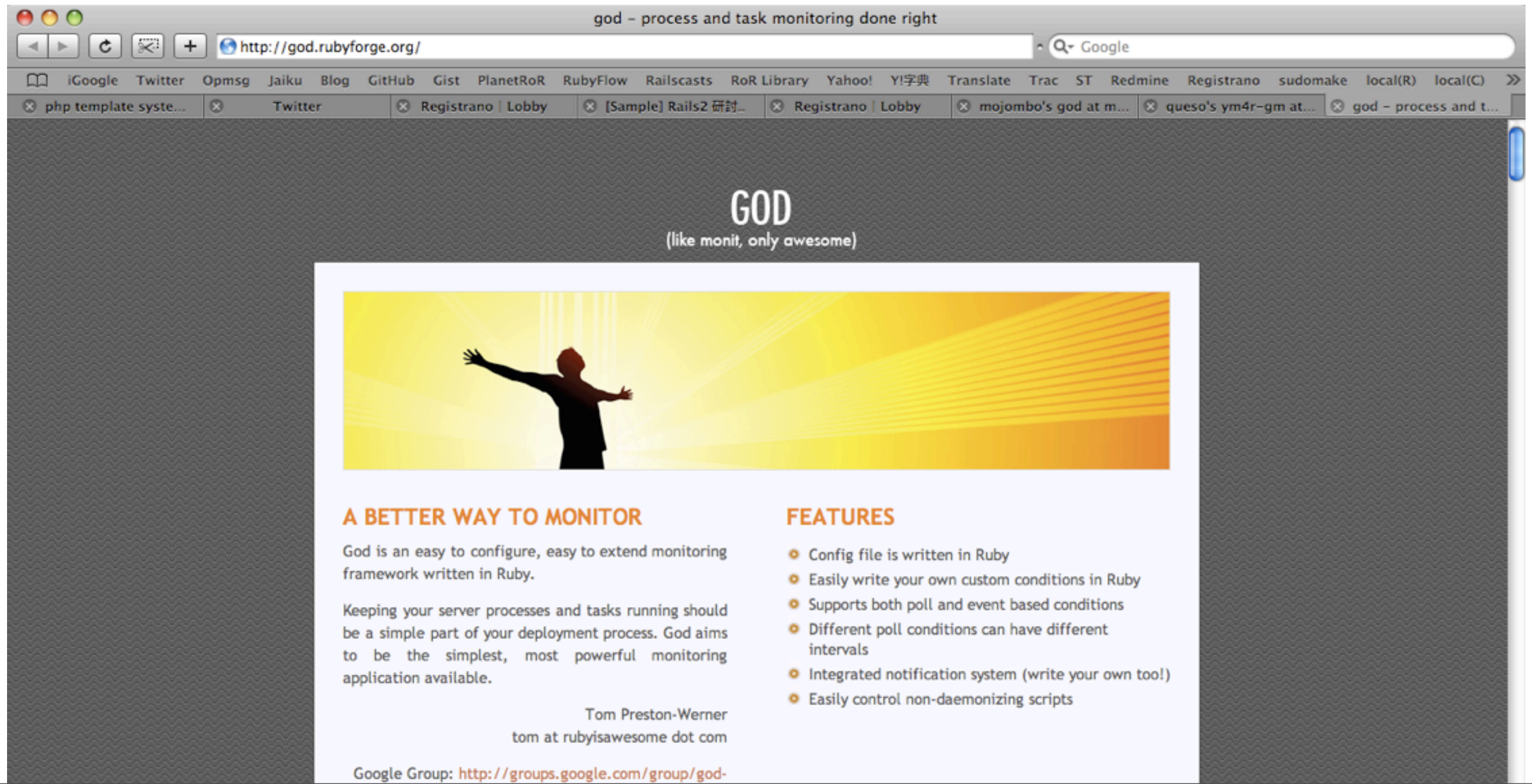
- Do the simplest thing that could possibly work.
- Nothing to 1.0 in four(ish) days.
- Targets the 80% use case.
- Uses Rake, as god intended.
- Use the right tool for the job (ssh, rsync, etc).
- Fold in the Rails Machine recipes.
- Clever is **bad**. Period.

Download & Install

```
sudo gem install vlad
```

God

- Process monitor，可用來監控 mongrel



The screenshot shows a browser window with the title "god - process and task monitoring done right". The address bar contains "http://god.rubyforge.org/". The browser's tab bar shows several open tabs, including "php template syste...", "Twitter", "Registrano | Lobby", "[Sample] Rails2 研...", "Registrano | Lobby", "mojombo's god at m...", "queso's ym4r-gm at...", and "god - process and t...". The main content of the page features the word "GOD" in large letters, with the tagline "(like monit, only awesome)" below it. A central image shows a silhouette of a person with arms raised against a bright yellow and orange background with light rays. Below the image, the text reads "A BETTER WAY TO MONITOR" and "FEATURES".

GOD
(like monit, only awesome)

A BETTER WAY TO MONITOR

God is an easy to configure, easy to extend monitoring framework written in Ruby.

Keeping your server processes and tasks running should be a simple part of your deployment process. God aims to be the simplest, most powerful monitoring application available.

Tom Preston-Werner
tom at rubyisawesome dot com

Google Group: <http://groups.google.com/group/god->

FEATURES

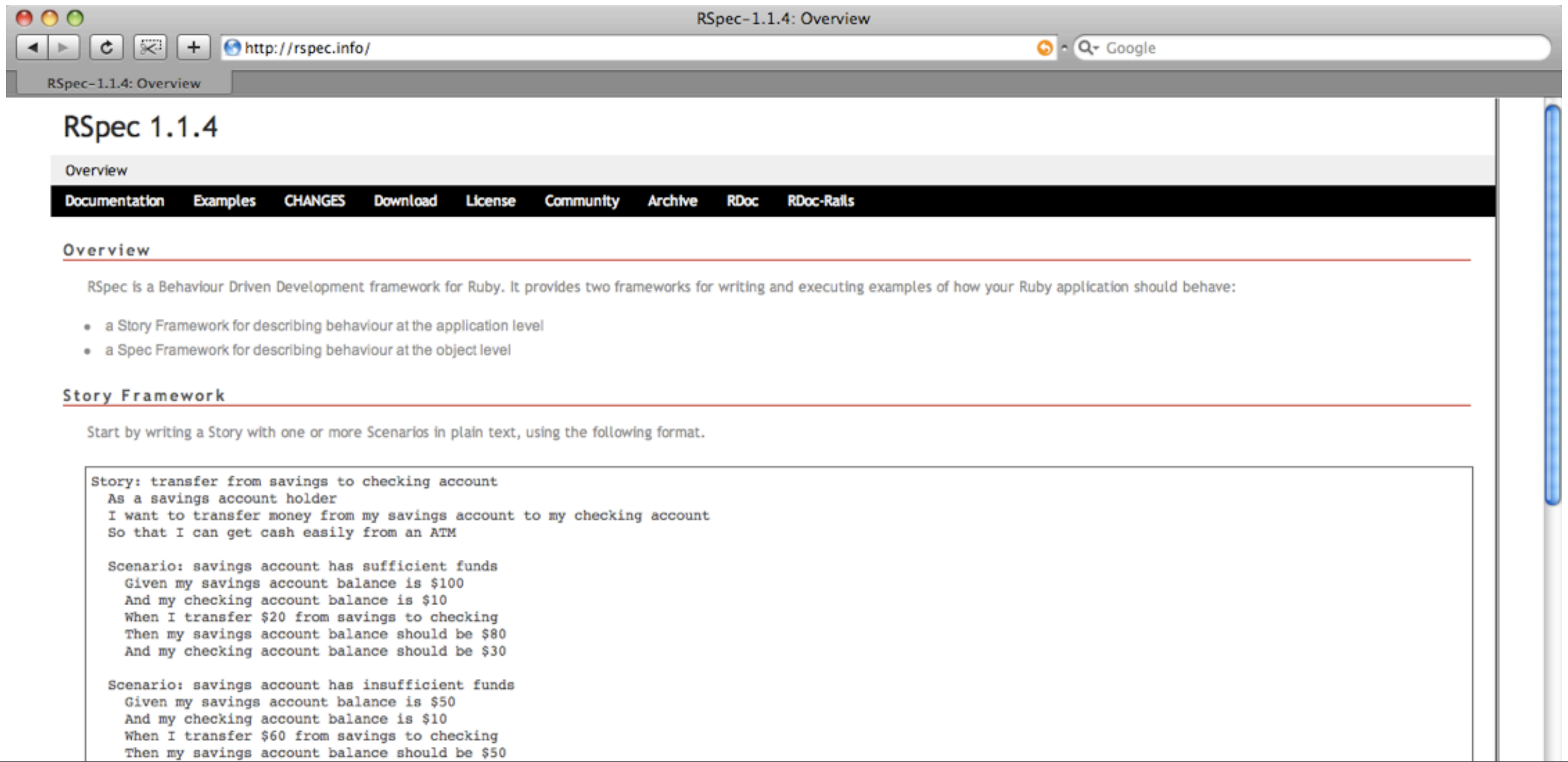
- Config file is written in Ruby
- Easily write your own custom conditions in Ruby
- Supports both poll and event based conditions
- Different poll conditions can have different intervals
- Integrated notification system (write your own too!)
- Easily control non-daemonizing scripts

7. 測試篇

testing

rspec

- BDD testing framework
- 寫出可讀性高容易維護的測試程式



The screenshot shows a web browser window with the title "RSpec-1.1.4: Overview". The address bar contains "http://rspec.info/". The page content includes a navigation menu with links for "Documentation", "Examples", "CHANGES", "Download", "License", "Community", "Archive", "RDoc", and "RDoc-Rails". The main content area is titled "Overview" and contains the following text:

RSpec is a Behaviour Driven Development framework for Ruby. It provides two frameworks for writing and executing examples of how your Ruby application should behave:

- a Story Framework for describing behaviour at the application level
- a Spec Framework for describing behaviour at the object level

The "Story Framework" section is titled "Story Framework" and contains the following text:

Start by writing a Story with one or more Scenarios in plain text, using the following format.

```
Story: transfer from savings to checking account
As a savings account holder
I want to transfer money from my savings account to my checking account
So that I can get cash easily from an ATM

Scenario: savings account has sufficient funds
Given my savings account balance is $100
And my checking account balance is $10
When I transfer $20 from savings to checking
Then my savings account balance should be $80
And my checking account balance should be $30

Scenario: savings account has insufficient funds
Given my savings account balance is $50
And my checking account balance is $10
When I transfer $60 from savings to checking
Then my savings account balance should be $50
```


zentest

- autotest
- 只要一存檔，自動執行對應的測試程式



The screenshot shows a web browser window with the URL `http://www.zenspider.com/ZSS/Products/ZenTest/`. The page features a blue header with the text "ZenTest testing, on steroids." and navigation links for "Products", "Download", "Blog", and "Documentation". Below the header, a light blue banner reads "go red with **zentest**: Generate, Measure, Audit".

The main content area is divided into two sections. The first section, titled "go red with **zentest**", includes a terminal window showing test results and a code snippet for a `thingy` class. The terminal output shows a 147.62% pass rate for class B and a 75.00% pass rate for class A, with 42 errors detected. The code snippet defines a `thingy` class that raises a `NotImplementedError` with the message "Need to write thingy".

The second section, titled "go green with **unit_diff**", describes the use of advanced diffing technology to highlight errors and provide clear feedback. It includes a terminal snippet showing a failure in the `test_thingy` test, where the actual output differs from the expected content.

rcov

- code coverage
- 產生測試涵蓋率報表

C0 code coverage information


Generated on Mon May 22 12:09:23 CEST 2006 with rcov 0.4.0

Threshold: 80%

Name	Total lines	Lines of code	Total coverage	Code coverage
TOTAL	1754	1754	69.2%	60.1%
app/controllers/application.rb	35	35	46.2%	31.0%
app/helpers/application_helper.rb	147	147	38.1%	23.5%
app/models/aggregations/tada.rb	75	75	45.3%	31.1%
app/models/aggregations/upcoming.rb	78	78	48.7%	29.2%
app/models/article.rb	109	109	74.3%	67.9%
app/models/category.rb	30	30	66.7%	60.9%
app/models/sidebar.rb	36	36	55.6%	40.7%
components/plugins/sidebars/archives_controller.rb	35	35	34.3%	29.6%
components/plugins/sidebars/category_controller.rb	20	20	60.0%	50.0%
components/plugins/sidebars/delicious_controller.rb	20	20	60.0%	50.0%
components/plugins/sidebars/flickr_controller.rb	20	20	60.0%	50.0%
components/plugins/sidebars/fortythree_controller.rb	20	20	60.0%	50.0%
components/plugins/sidebars/fortythreeplaces_controller.rb	20	20	60.0%	50.0%
components/plugins/sidebars/static_controller.rb	27	27	37.0%	29.2%
components/plugins/sidebars/tada_controller.rb	20	20	60.0%	50.0%
components/plugins/sidebars/technorati_controller.rb	20	20	60.0%	50.0%
components/plugins/sidebars/upcoming_controller.rb	20	20	60.0%	50.0%
components/plugins/sidebars/xml_controller.rb	16	16	62.5%	53.8%
components/sidebars/sidebar_controller.rb	110	110	48.2%	32.5%
lib/html_engine.rb	29	29	82.8%	78.3%
lib/login_system.rb	85	85	60.0%	23.5%
lib/migrator.rb	28	28	53.6%	40.9%

```
77 def full_html
78   "#{body_html}\n\n#{extended_html}"
79 end
80
81 protected
82
83 before_save :set_defaults, :transform_body
84
85 def set_defaults
86   self.published ||= 1
87   self.text_filter = config['text_filter'] if self.text_filter.blank?
88   self.permalink = self.stripped_title if self.attributes.include?("permalink") and self.permalink.blank?
89   self.guid = Digest::MD5.new(self.body.to_s+self.extended.to_s+self.title.to_s+self.permalink.to_s+self.author.to_s+Time.now.to_s).to_s
90 end
91
92 def transform_body
93   self.body_html = HtmlEngine.transform(body, self.text_filter)
94   self.extended_html = HtmlEngine.transform(extended, self.text_filter)
95 end
96
97 def self.time_delta(year, month = nil, day = nil)
98   from = Time.mktime(year, month || 1, day || 1)
99
100  to = from + 1.year
101  to = from + 1.month unless month.blank?
102  to = from + 1.day unless day.blank?
103  to = to.tomorrow unless month.blank?
104  return [from, to]
105 end
106
107 validates_uniqueness_of :guid
108 validates_presence_of :title
109 end
```

Generated using the rcov code coverage analysis tool for Ruby version 0.4.0.

Finally...

plugin 哪裡找?

The image shows a screenshot of the GitHub website homepage. At the top, the browser window title is "Secure Git hosting and collaborative development — GitHub". The address bar shows "git http://github.com/". The page features the GitHub logo and navigation links: Home, Pricing and Signup, Repositories, News, and Login. A search bar is prominently displayed with the text "Search public git repositories". Below the search bar, there is a featured project section for "git-sh" by "rtomayko", described as a customized bash shell suitable for git work. The page also lists "Recently Updated Repositories" and "Top 5 Most Watched Projects". At the bottom, there is a call to action "git repository hosting no longer a pain in the ass" with a "Sign up now!" button, and a section titled "How does it work?" explaining the forking process.

Secure Git hosting and collaborative development — GitHub

git http://github.com/

Search public git repositories

github SOCIAL CODE HOSTING

Home Pricing and Signup Repositories News Login

rtomayko
git-sh
FEATURED PROJECT 21 AUGUST 2008

git-sh is a customized bash shell suitable for git work. It adds ~/.gitshrc, top-level porcelain aliases, a custom prompt, and other tasty git-specific features.

Recently Updated Repositories

- frugalware / **frugalware-current**
- justinwiley / **charm**
- jqr / **centipede**
- jezdez / **django-robots**
- ustorf / **whobedown**

Top 5 Most Watched Projects

- rails / **rails**
- technoweenie / **restful-authentication**
- wycats / **merb-core**
- mislav / **will_paginate**
- Caged / **gitnub**

git repository hosting
no longer a pain in the ass

Sign up now!

How does it work?
Get up and running in seconds by forking a project, pushing an existing repository, or starting fresh.

GitHub was written for public, open source projects and private, proprietary codes — if you use Git, GitHub is for you.

要怎麼寫 plugin?



推薦閱讀

<http://peepcode.com>

Plugin Patterns PDF

thank you.

[引述網路名人 xdite 之黃金三點]

辦出人人滿意的網路聚會之黃金第四點：

1. 「正妹工作人員要多，即使少也不能傷眼，最好是有拍回去讓人炫耀的水準」
2. 「網路品質要好，即使很慢也要不能一直狂斷，有線網路是最佳選擇」
3. 「點心要好吃，不好吃也要讓人人吃到飽，最好是茶點時間超級長」
4. 「網路報名要方便好用，最好是使用 registrano.com」

<http://ihower.idv.tw/blog/archives/1762>

any comment? or recommend your favorite plugin.