

Better Living through Resourceful Plugins

Ben Scofield

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RailsConf Europe

Agenda

Part One

- What?
- Definition
- Alternatives
- Philosophy
- Examples
- The Tour (**live coding!**)

Part Two

- How?
- Process (**live coding!**)
- Hands-on!

Definition



Plugins

flickr: e2



Resourceful

flickr: matko_deo

MACGYVER

MULTITOOL

SEE ON
TV



MacGyver

"A paperclip can be
a wonderful thing."

flickr: 3epmedia



REST

flickr: pejmanphotos

Resources



flickr: hey-helen



Modularity

flickr: joriel

Alternatives



Radiant is a no-fluff, open source content management system designed for small teams.

Radiant features:

- An elegant user interface
- Flexible templating with layouts, snippets, page parts, and a custom tagging language
- A first-class extension/plugin system
- Simple user management and permissions

[**More Features...**](#)



Radiant 0.6.9 has just been released! This version includes a powerful extension system so developers can tailor Radiant to their specific needs. Head on over to the [download page](#) and get started.

Radiant CMS was created by [John W. Long](#), extended by [Sean Cribbs](#), and has been continuously improved by a team of core committers with dozens of additional contributions from the Radiant community.

This site is made with [Ruby](#) and powered by Radiant. Hosting is graciously provided by the kind folks at [AVLUX](#).

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Applications



Engines

flickr: daveseven

Gems



flickr: afternoon_sunlight

[Home](#)[Pricing and Signup](#)[Repositories](#)[News](#)[Login](#)[Source](#)[Commits](#)[Info](#)[Wiki \(12\)](#)[Network \(94\)](#)[master](#)[all branches](#)[all tags](#)[technoweenie / restful-authentication](#)

fork



watch



download



Description: Generates common user authentication code for Rails/Merb, with a full test/unit and rspec suite and optional Acts as State Machine support built-in.

Homepage: <http://weblog.techno-weenie.net>

Clone URL: <git://github.com/technoweenie/restful-authentication.git>

Search

Code



Go

Repo:



Added me as maintenance monkey



mrflip (author)

5 days ago

commit: 2dc76e7cb2bef0d919f587b52f13f7a95ab7e82c
tree: 47c66893f1660f831c4429374f32181451c7362b
parent: 01a023e7c86875bb484705e528ff68a6d2a91663

[restful-authentication /](#)

name	age	message	history
.gitignore	May 19, 2008	Organized README, CHANGELOG and notes/; [mrflip]	
CHANGELOG	May 20, 2008	Fixed the 'made some methods public' kludge [mrflip]	
README.textile	5 days ago	Added me as maintenance monkey [mrflip]	
Rakefile	August 01, 2006	initial commit of the restful_authentication pl... [technoweenie]	
TODO	May 18, 2008	Organized notes [mrflip]	
generators/	August 6, 2008	added basic action_name method for #protected? [technoweenie]	
init.rb	May 20, 2008	fixed tests: [mrflip]	

Restful Authentication

Philosophy



Customizable

flickr: foshie



Radiant
content management simplified

Radiant is a no-fluff, open source content management system designed for small teams.

Radiant features:

- An elegant user interface
- Flexible templating with layouts, snippets, page parts, and a custom logging for
- A first-class extension/plugin system
- Simple user management and permissions

More features...

Version 0.6

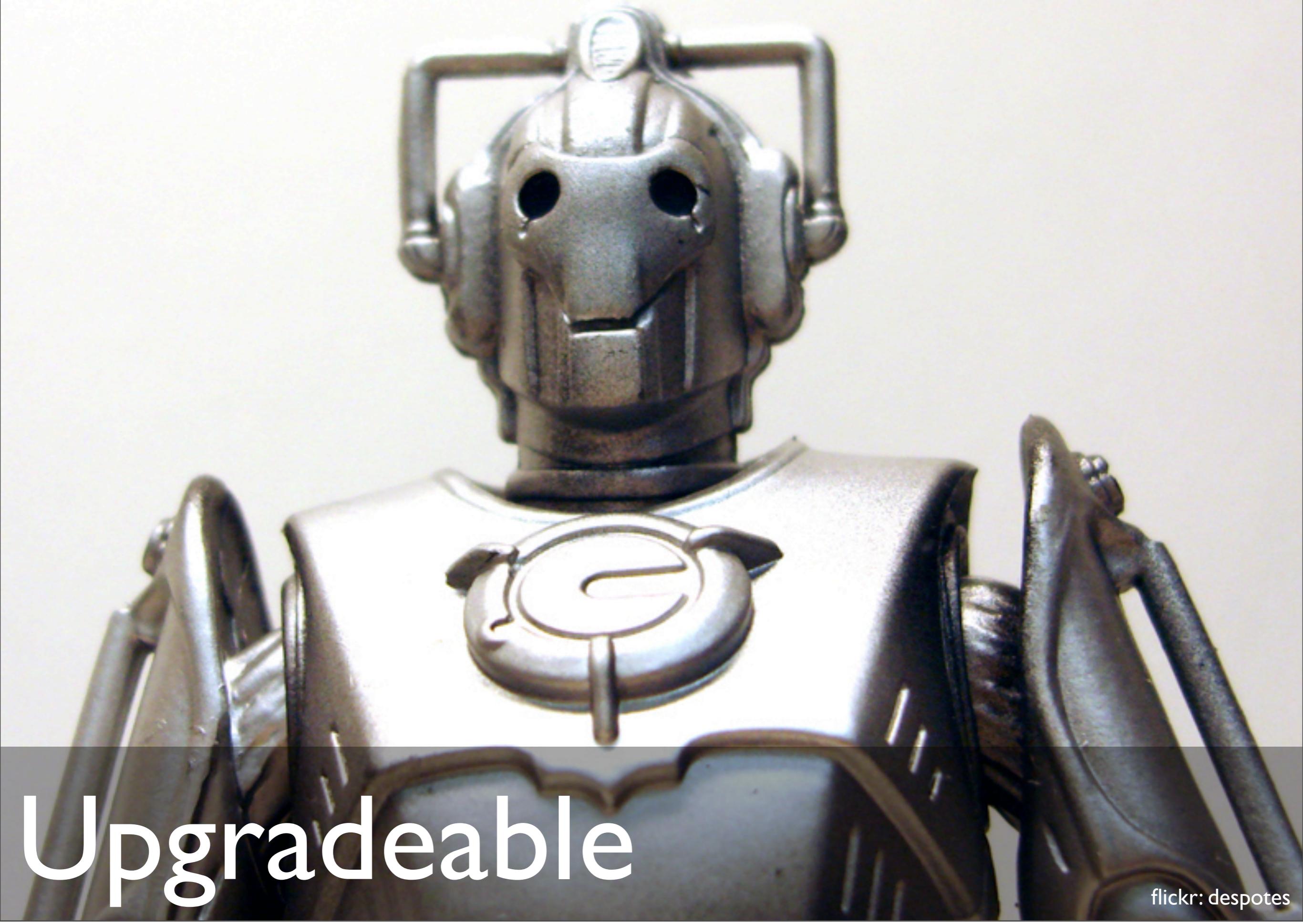
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! **Warning!**

The screenshot shows the Radiant Content Management System (CMS) homepage. It features a red header with the Radiant logo and tagline "content management simplified". Below the header, there's a brief introduction about Radiant being a no-fluff, open-source CMS for small teams. A "Radiant features:" section lists several key features: an elegant user interface, flexible templating, a first-class extension/plugin system, and simple user management and permissions. There's also a link to "More features...". A "Version 0.6" badge indicates the current release. The main content area displays a "Pages" section with a tree view of site pages and a list of recent changes. At the bottom, there's copyright information and a warning icon with the text "Warning!".





Upgradeable

flickr: despotes



A screenshot of the Radiant CMS website. The header features the Radiant logo and the tagline "content management simplified". Below the header, there's a section for "Radiant features" with a bulleted list: "An elegant user interface", "Flexible templating with layouts, snippets, page parts, and a custom tagging language", "A first-class extension/plugin system", and "Simple user management and permissions". A "More features..." link is also present. At the bottom of the page, there's a "Version 0.6" badge, a note about the release of version 0.6.9, and copyright information. A yellow warning triangle icon with an exclamation mark is located in the bottom right corner.





Non-Invasive

flickr: kittenwants



A screenshot of the Radiant CMS website. The header features the Radiant logo and navigation links for Home, Demo, Download, Documentation, Development, Hosting, and Webinars. Below the header, there's a section for 'Radiant features' with a bulleted list, followed by a 'More features...' link. A 'Version 0.6' badge is present, along with a note about the release of version 0.6. At the bottom, there's copyright information and a smiley face icon.



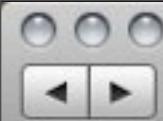


Future-Proof

flickr: jurvetson

A screenshot of the Radiant CMS website. The header features the Radiant logo and navigation links for Home, Demo, Download, Documentation, Development, Mailing List, and Webhooks. The main content area displays a screenshot of the Radiant CMS interface, which includes a sidebar with 'Pages' and 'Recent' sections, and a main panel showing a list of items. Below this, a 'Radiant features:' section lists bullet points such as 'An elegant user interface', 'Flexible templating with layouts, snippets, page parts, and a custom tagging language', 'A first-class extension/plugin system', and 'Simple user management and permissions'. A 'More features...' link is also present. A blue circular badge indicates 'Version 0.6'. A note at the bottom states: 'Radiant 0.6.9 has just been released! This version includes a powerful extension system so developers can tailor Radiant to their needs. Head on over to the [download page](#) and get started.' A small yellow warning triangle icon is in the bottom right corner.

Examples



sandstone

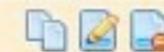
a resourceful cms

Pages

✓ Terms of Service
<http://sandstone.local/terms>



✓ FAQ
<http://sandstone.local/faq>



editors

pages

designs

images

Sandstone

The screenshot shows a web browser window with the title "Bloget" at the top. The address bar contains the URL "http://bloget.local/blog". A search bar with the text "Google" is also visible. The main content area displays a blog post titled "Test Post [DRAFT]" in blue bold text. Below the title, the post content reads "Hello!". Underneath the content, it says "posted at Wed Aug 20 11:13:44 -0400 2008 by admin". At the bottom of the post, there are links for "No comments yet.", "Add comment", and "Edit post".

Bloget

<http://github.com/bscofield/bloget/tree/master>

The Tour

```
class BlogetGenerator < Rails::Generator::Base
  def manifest
    template_dir = File.join(File.dirname(__FILE__), 'templates')

    record do |m|
      m.class_collisions "Blog", "Blogger", "Post", "Comment"
      m.class_collisions "PostsController", "CommentsController"

      Dir.chdir(template_dir) do

        # handle models, controllers, helpers, and views
        %w(models controllers helpers views).each do |area|
          m.directory(File.join('app', area))
          Dir.glob(File.join(area, '**', '*')).each do |file|
            m.directory(File.join('app', file)) if File.directory?(file)
            m.file(file, File.join('app', file)) if File.file?(file)
          end
        end
      end

      # handle tests
      m.directory('test')
    end
  end
end
```

Generator

```
class PostsController < ApplicationController
  include Bloget::Controllers::PostsController
end
```

Templates

```
require File.dirname(__FILE__) + '/../bloget_test_helper'

class PostsControllerTest < ActionController::TestCase
  tests PostsController

  def test_should_show_index_of_posts
    get :index
    assert_response :success
  end

  def test_should_be_able_to_get_index_posts_as_Atom_feed
    get :index, :format => 'atom'
    assert_response :success
  end

  def test_should_show_individual_post
    post = create_post
    post.publish!
    get :show, :id => post.permalink
    assert_response :success
  end
```

Tests

```
require 'action_controller'

module Bloget
  module Controllers
    module PostsController

      def self.included(base)
        base.class_eval do

          around_filter :load_post, :only => [:show, :edit, :update,
                                               
          before_filter :login_required, :except => [ :index, :show ]
          before_filter :authenticate_blogger, :only => [:new, :create]
          before_filter :authenticate_for_post, :only => [:edit, :update]
          before_filter :check_post_state, :only => [:show]

          layout 'bloget'

        end
      end
    end
  end
end
```

Lib

```

namespace :bloget do
  desc "Installs required and recommended plugins for Bloget."
  task :install_friends do
    Dir.chdir(RAILS_ROOT) do
      puts `ruby script/plugin install http://svn.techno-weenie.net/p...
      puts `ruby script/plugin install svn://errtheblog.com/svn/plugin...
      puts `ruby script/plugin install http://elitists.textdriven.com/...
    end
  end

  desc "Sets up a Rails app with the recommended infrastructure for Bloget"
  task :setup_app => [:load_rails, :install_friends] do
    Rails::Generator::Scripts::Generate.new.run(['authenticated', 'use...
    Rails::Generator::Scripts::Generate.new.run(['bloget_app'])
  end

  desc "Installs Bloget"
  task :install => :load_rails do
    Rails::Generator::Scripts::Generate.new.run(['bloget'])
  end
end

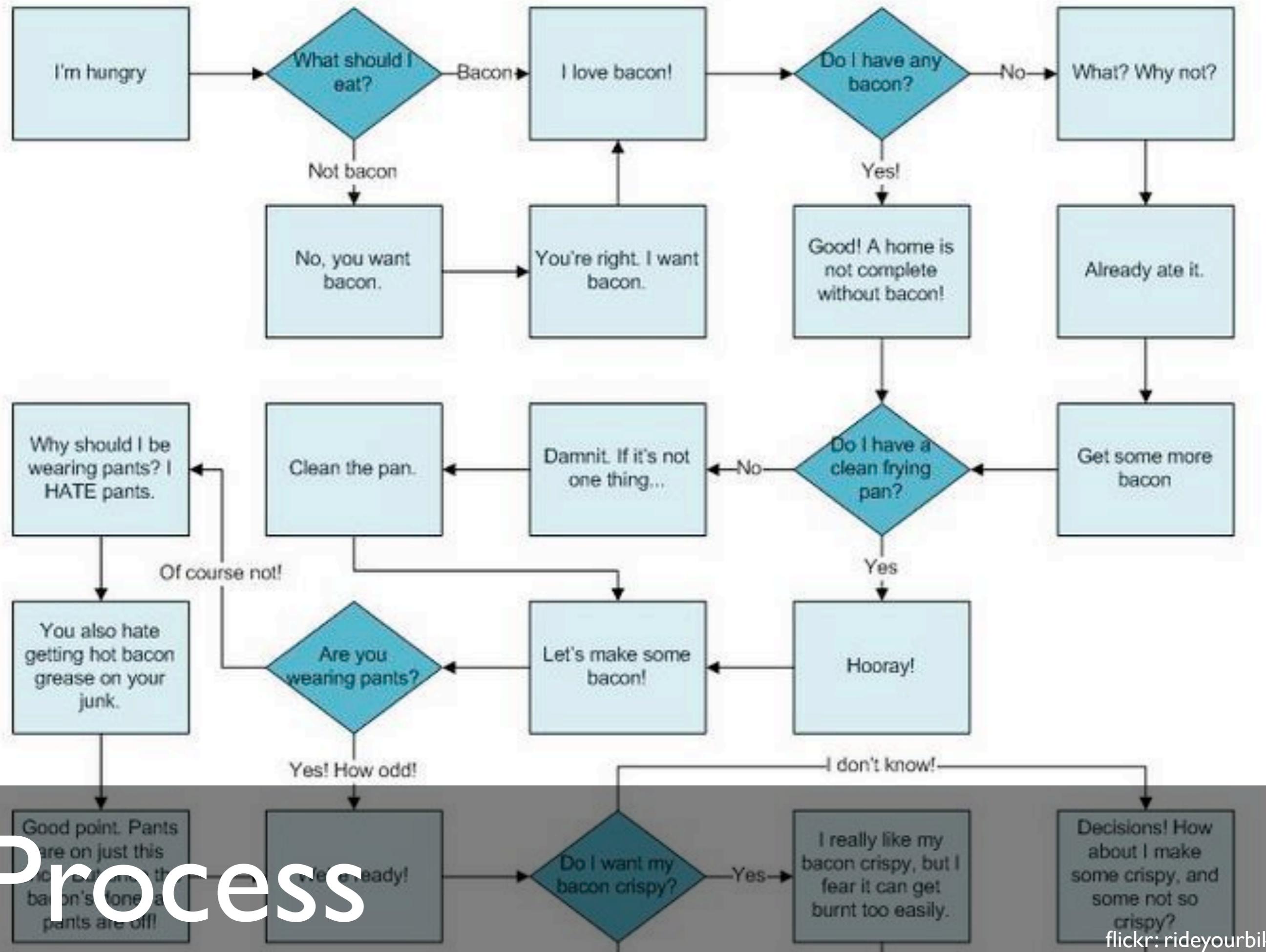
```

Rake

Live Coding!

Break!

Process



Process

Build



flickr: dumbo



Identify

flickr: nickwheeleroz

Extract



flickr: jensteele



Support

flickr: damonabnormal

Cleanup



flickr: pigpogm



Test

flickr: cobalt123

Live Coding!

Break?

Hands-On!

Suggestions

- User Management
- Invitation Management
- Forums
- Friendships
- Messaging
-

Thanks!



ben scofield

ben.scofield@viget.com

<http://www.viget.com/extend>

<http://www.culann.com>

