

Rails from the Ground Up!

with Jared Richardson
RoleModel Software

Rails
Routes

Routes Are
Governed By

Action Pack

Action Controller

Recognizes URLs

Dispatches to a controller's action

Routes incoming requests

Action Controller Routes

<http://<server>/customers/21>

GET /customers/21

match "/customers/:id" => "customers#show"

Controller (class) => customer

Action (method) => show

Params (variables) => { :id => 21 }

Seeing Routes

rake routes

routes.rb

In `./config/`

Individual declaration

Group declarations

Declare Singly

```
match <url> => <controller>#<action>
```

```
match "profile" => "customers#profile"
```

Your Turn

Let's add a route to your War server

PUT AN EXAMPLE IN HERE

Group Declarations

resources :photos

HTTP Verb	Path	action	used for
GET	/photos	index	display a list of all photos
GET	/photos/new	new	return an HTML form for creating a new photo
POST	/photos	create	create a new photo
GET	/photos/:id	show	display a specific photo
GET	/photos/:id/edit	edit	return an HTML form for editing a photo
PUT	/photos/:id	update	update a specific photo
DELETE	/photos/:id	destroy	delete a specific photo

Path Helpers

photos_path	=> /photos
new_photo_path	=> /photos/new
photo_path(:id)	=> /photos/:id
edit_photo_path(:id)	=> /photos/:id/edit
*_url	=> adds host, port, etc

Route Namespaces

```
namespace :admin do  
  resources :posts  
end
```

Add "admin/" to the URL path

HTTP Verb	Path	action	named helper
GET	/admin/posts	index	admin_posts_path
GET	/admin/posts/new	new	new_admin_post_path
POST	/admin/posts	create	admin_posts_path
GET	/admin/posts/:id	show	admin_post_path(:id)
GET	/admin/posts/:id/edit	edit	edit_admin_post_path(:id)
PUT	/admin/posts/:id	update	admin_post_path(:id)
DELETE	/admin/posts/:id	destroy	admin_post_path(:id)

Without the /admin

```
scope "/admin" do
  resources :posts
end
```

or

```
resources :posts, :path => "/admin/posts"
http://posts/
```

Your Turn

Create a controller to shutdown your server called "shutdown"

Create an "admin" namespace and route requests to it

Routes in Reverse

```
@customer = Customer.find(21)  
<%= link_to "Customer Record",  
          customer_path(@customer) %>
```

Your Turn

Add a link on an existing HTML page to the admin controls