

# Rails from the Ground Up!

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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`  $\Rightarrow$  `/photos`

`new_photo_path`  $\Rightarrow$  `/photos/new`

`photo_path(:id)`  $\Rightarrow$  `/photos/:id`

`edit_photo_path(:id)`  $\Rightarrow$  `/photos/:id/edit`

`*_url`  $\Rightarrow$  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