

Lab 4 – Warm Up



2

Routes

Resource routing (I)

3

- Rails Default
- Declare all the common routes for a given RESTful resource controller
 - ▣ CRUD and Actions
 - create, update, destroy
 - show, new, edit, index
- Rails routes are matched in the order they are specified (in the routes.rb file)
- Example
 - ▣ `resources :users`

Resource routing (II)

4

HTTP Verb	Path	Action	Named helpers	Used for...
GET	/users	index	users_path	display a list of users
GET	/users/new	new	new_user_path	return an HTML form for creating a new user
POST	/users	create	users_path	create a new user
GET	/users/:id	show	users_path(:id)	display a specific user
GET	/users/:id/edit	edit	edit_user_path(:id)	return an HTML form for editing a user
PUT	/users/:id	update	user_path(:id)	update a specific user
DELETE	/users/:id	destroy	user_path(:id)	delete a specific user

Resource routing (II)

5

Love it!

Take care of it!

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PUT	/users/:id	update	user_path(:id)	update a specific user
DELETE	/users/:id	destroy	user_path(:id)	delete a specific user

Resource routing (III)

6

- Examples:
 - ▣ `edit_user_path(1)` returns `/users/1/edit`
 - ▣ `user_path(1)` returns `/users/1`
- For each `_path` helper, a `_url` named helper is available
 - ▣ return the same path prefixed with the current host, port and path prefix
- Instead of the resource ID, you can also provide the corresponding instance
 - ▣ e.g., `edit_user_path(user)`

Resource routing (IV)

7

- Remind: singular resources map to plural controller
- Resources can be nested
 - ▣ example
 - Path: `/publishers/1/magazine/2/photos/3`
 - Named helper:
`publishers_magazines_photos_path(magazine)`
 - ▣ advice: **never** nest resources more than 1 level deep
- Further readings
 - ▣ <http://guides.rubyonrails.org/routing.html>

8

Forms in Rails

form_for

9

- Helper method
- Takes in an Active Record object and constructs a form using the object's attributes
- Example:

```
<%= form_for(@user) do |f| %>
  <%= f.label :name %>
  <%= f.text_field :name %>
  <%= f.submit "Create a new user" %>
<% end >
```

form_for

10

Rails

```
<%= form_for(@user) do |f| %>
  <%= f.label :name %>
  <%= f.text_field :name %>
  <%= f.submit "Go!" %>
<% end %>
```

HTML

```
<form action="/users" method="post">
  <label for="user_name">Name</label>
  <input id="user_name" name="user[name]" type="text" />
  <input name="commit" type="submit" value="Go!" />
</form>
```

form_for

11

Rails

```
<%= form_for(@user) do |f| %>  
  <%= f.label :name %>  
  <%= f.text_field :name %>  
  <%= f.submit "Go!" %>  
<% end %>
```




HTML

```
<form action="/users" method="post">  
  <label for="user_name">Name</label>  
  <input id="user_name" name="user[name]" type="text" />  
  <input name="commit" type="submit" value="Go!" />  
</form>
```

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12

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