

Ruby on Rails

web application dev

lesson 4

about me

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agenda

rails console

lab – adding category

uploading files

rails console

rails console

querying your data
storage and playing
with the active_record
commands.

rails console

```
$ rails console
```

rails console

> Comment

```
irb(main):002:0> Comment  
=> Comment(id: integer, name: string,  
content: text, created_at: datetime,  
updated_at: datetime, job_id: integer)
```

rails console

Creating new comment object.

```
irb(main):003:0> c = Comment.new  
=> #<Comment id: nil, name: nil,  
content: nil, created_at: nil,  
updated_at: nil, job_id: nil>
```

```
irb(main):004:0> c.name = "Thomas"  
=> "Thomas"
```

```
irb(main):005:0> c.content = "test"  
=> "test"
```


rails console

adding job to comment.

```
irb(main):006:0> c.job = Job.first
Job Load (0.2ms) SELECT "jobs".* FROM
"jobs" LIMIT 1
=> #<Job id: 1, title: "111111", content:
"11111", created_at: "2013-09-13 07:03:30"
, updated_at: "2013-09-13 07:27:17",
category: "ruby", salary: 10000,
valid_till: "2023-09-13">
```

```
irb(main):007:0> c
=> #<Comment id: nil, name: "Thomas",
content: "test", created_at: nil,
updated_at: nil, job_id: 1>
```


rails console

saving the comment object.

```
irb(main):008:0> c.save
(0.1ms) begin transaction
SQL (12.0ms) INSERT INTO "comments"
("content", "created_at", "job_id",
"name", "updated_at") VALUES (?, ?, ?,
?, ?) [["content", "test"],
["created_at", Wed, 18 Sep 2013 15:36:11
UTC +00:00], ["job_id", 1], ["name",
"Thomas"], ["updated_at", Wed, 18 Sep 2013
15:36:11 UTC +00:00]]
(0.9ms) commit transaction
=> true

irb(main):009:0> c
=> #<Comment id: 1, name: "Thomas",
content: "test", created_at: "2013-09-18
15:36:11", updated_at: "2013-09-18
15:36:11", job_id: 1>
```


rails console

selecting all comments for a job object.

```
irb(main):010:0> j = Job.first
Job Load (0.4ms) SELECT "jobs".* FROM
"jobs" LIMIT 1
=> #<Job id: 1, title: "111111", content:
"11111", created_at: "2013-09-13 07:03:30",
updated_at: "2013-09-13 07:27:17", category:
"ruby", salary: 10000, valid_till:
"2023-09-13">

irb(main):011:0> j.comments
Comment Load (0.2ms) SELECT "comments".*
FROM "comments" WHERE "comments"."job_id" = 1
=> [#<Comment id: 1, name: "Thomas", content:
"test", created_at: "2013-09-18 15:36:11",
updated_at: "2013-09-18 15:36:11", job_id: 1>]
```

rails console

counting the comments.

```
irb(main):018:0> j.comments.count  
      (0.3ms)  SELECT COUNT(*) FROM  
"comments" WHERE "comments"."job_id" = 1  
=> 1
```


lab – adding category

adding
category

try to allow assigning
one and only one
category to each job.

adding category

steps:

1. category model
2. category controller
3. form for category
4. associate with job
5. set category in job

selecting the category as a list instead of inputting the number.

```
f.collection_select :category_id, Category.all, :id, :title, prompt: 'Choose a category'
```


uploading files

uploading
files

two popular gems:

- **paperclip**
- **carrierwave**

uploading
files

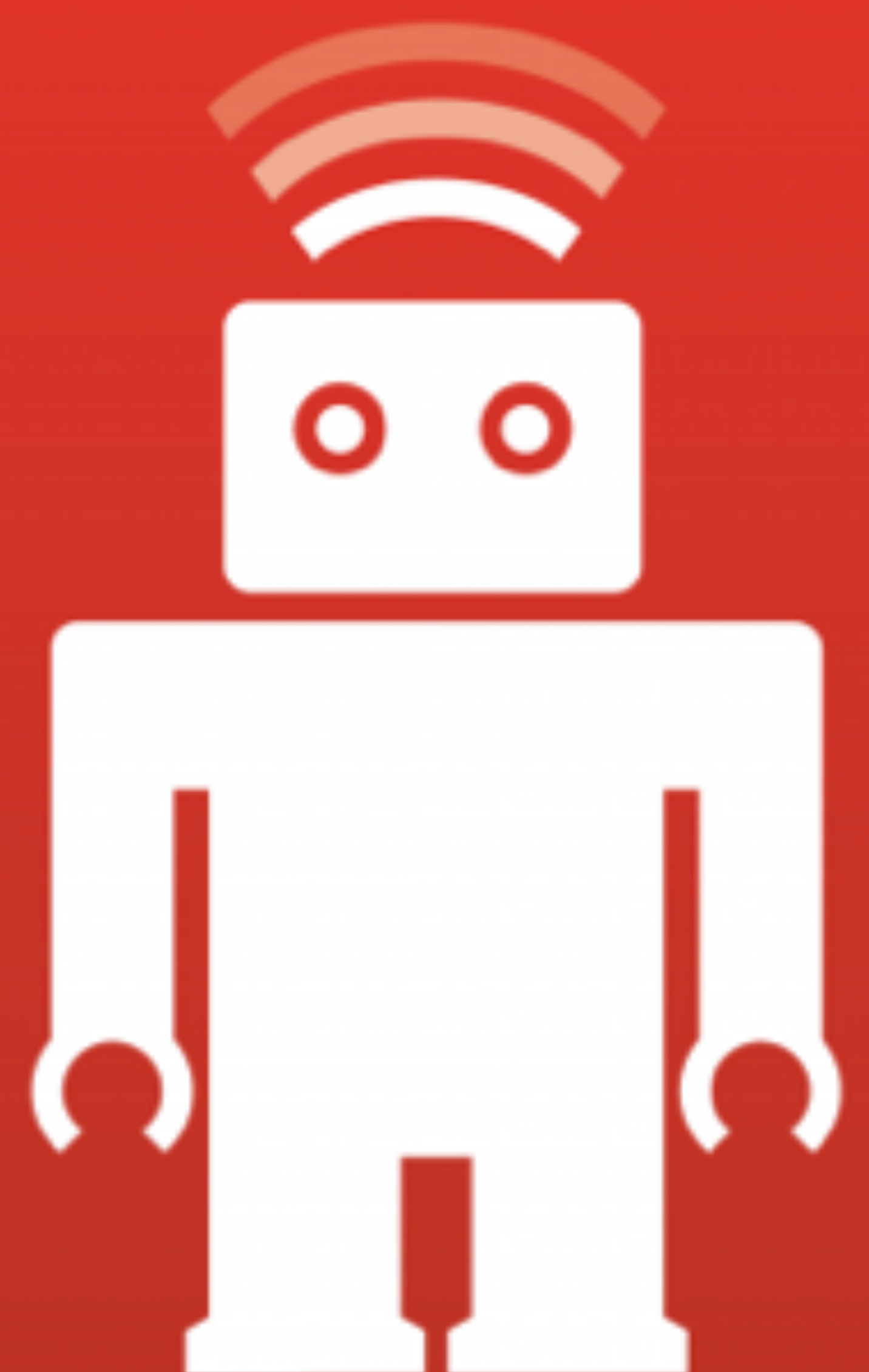
paperclip:
must bound to model

carrierwave:
independent to model

uploading
files

paperclip gem

<https://github.com/thoughtbot/paperclip>



uploading files

we need to install imagemagick for image resize.

```
$ brew install imagemagick
```

uploading files

add the gem to Gemfile. Then call bundle install.

```
gem "paperclip"
```

uploading files

add a poster image to job model.
add the following to **job.rb** file.

```
has_attached_file :poster,  
  :styles => { :medium => "300x300>",  
    :thumb => "100x100>" },  
  :default_url => "/images/:style/missing.png"
```

uploading files

how about the database changes?

\$ rails generate paperclip job poster

\$ rake db:migrate

then we add the new poster to the job form.

```
<%= form_for @job, :html => { :multipart => true } do |f| %>
  <%= f.file_field :poster %>
<% end %>
```

uploading files

how about displaying the poster image?

```
<%= image_tag @job.poster.url %>  
<%= image_tag @job.poster.url(:medium) %>  
<%= image_tag @job.poster.url(:thumb) %>
```

resources

github.com/thoughtbot

[blog.railsthemes.com/
2013/05/14/my-favorite-
gem-paperclip/](http://blog.railsthemes.com/2013/05/14/my-favorite-gem-paperclip/)

[bcjordan.github.io/posts/
rails-image-uploading-
framework-comparison/](http://bcjordan.github.io/posts/rails-image-uploading-framework-comparison/)