

Rails 第三课: Rails 101 (/courses/3/syllabus) 🔍 搜索本课程教材

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5-4 让“群组”与“使用者”产生关联

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目标

- 我们要让“群组”记录是“被谁开的”。
- 并且在看板一览表显示出来“开设者的名称”

步骤

Step 1: 新增 user_id 到 group 的 table 里

执行

```
rails g migration add_user_id_to_group
```

```
→ rails101 git:(ch04) rails g migration add_user_id_to_group
Running via Spring preloader in process 19809
  invoke  active_record
  create  db/migrate/20160711105258_add_user_id_to_group.rb
→ rails101 git:(ch04) x
```

(https://s3-ap-northeast-

1.amazonaws.com/ontrackapp-
production/JomTVi8eTUmTKcAgTQb0_%E8%9E%A2%E5%B9%95%E5%BF%AB%E7%85%A7%202016-07-
11%20%E4%B8%8B%E5%8D%886.53.02.png)

然后打开刚刚新增的 migration 档，修改让它长得像这样

```
db/migrate/一串数字_add_user_id_to_group

class AddUserIdToGroup < ActiveRecord::Migration[5.0]
  def change
    add_column :groups, :user_id, :integer
  end
end
```

然后，执行

```
rake db:migrate
```

Step 2: 连结 user 与 group 的双向关系

修改 app/models/user.rb 加入 has_many :groups

```
app/models/user.rb

class User < ApplicationRecord
  # Include default devise modules. Others available are:
  # :confirmable, :lockable, :timeoutable and :omniauthable

  devise :database_authenticatable, :registerable,
         :recoverable, :rememberable, :trackable, :validatable

  has_many :groups
end
```

修改 app/models/group.rb 加入 belongs_to :user

```
app/models/group.rb

class Group < ApplicationRecord
  belongs_to :user
  validates :title, presence: true
end
```

Step 3: 在新增看板时，记录谁是群组的建立者

修改 app/controllers/groups_controller.rb，在需要“登入验证”的 action 列表再加入 create。

```
app/controllers/groups_controller.rb

class GroupsController < ApplicationController
  before_action :authenticate_user!, only: [:new, :create]
```

修改 app/controllers/groups_controller.rb，在 create 中，多加入一行 @group.user = current_user。

变成以下内容：

```
app/controllers/groups_controller.rb

def create
  @group = Group.new(group_params)
  @group.user = current_user

  if @group.save
    redirect_to groups_path
  else
    render :new
  end
end
```

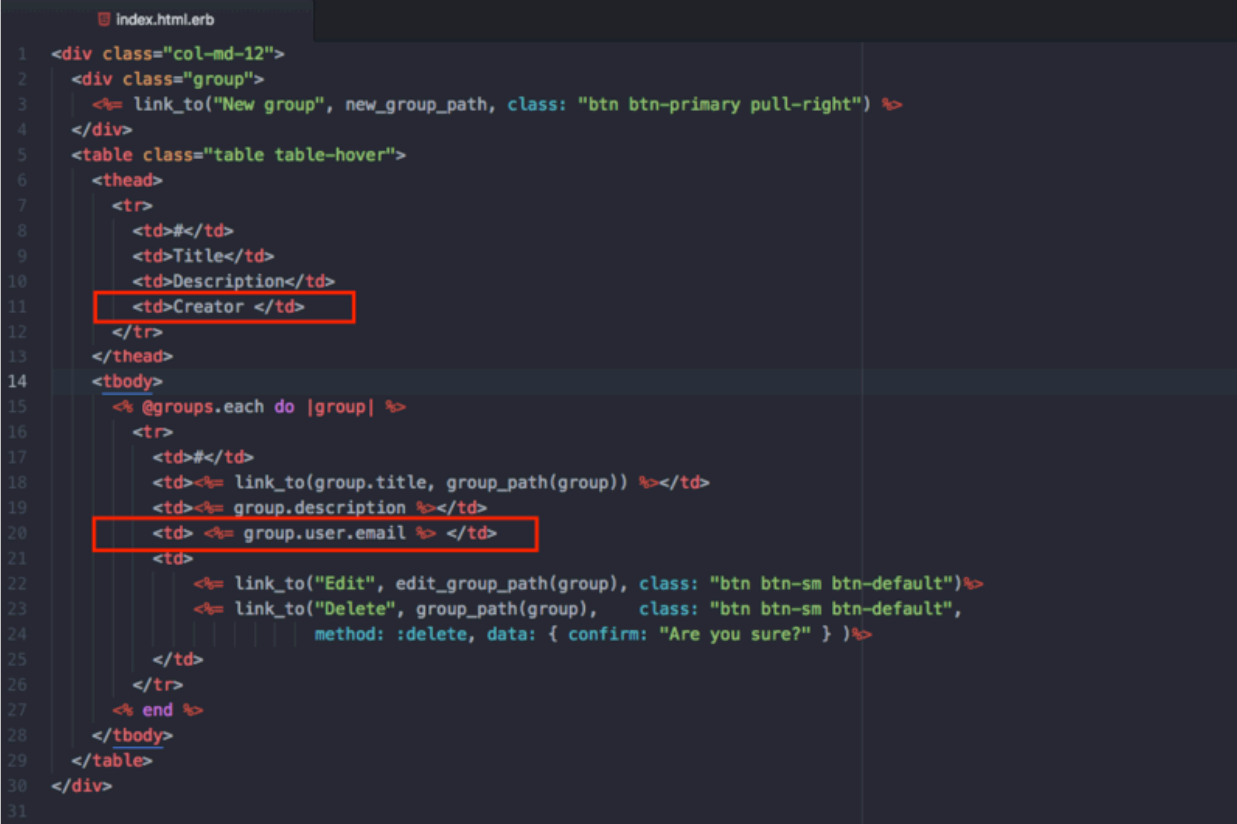
Step 4 : git 储存

```
git add .
```

```
git commit -m "add user_id to group"
```

Step 5 : 修改 group 列表，将 user 的名字列上去

修改 app/views/groups/index.html.erb 然后把 Creator 的信息加进去。（代码如下）



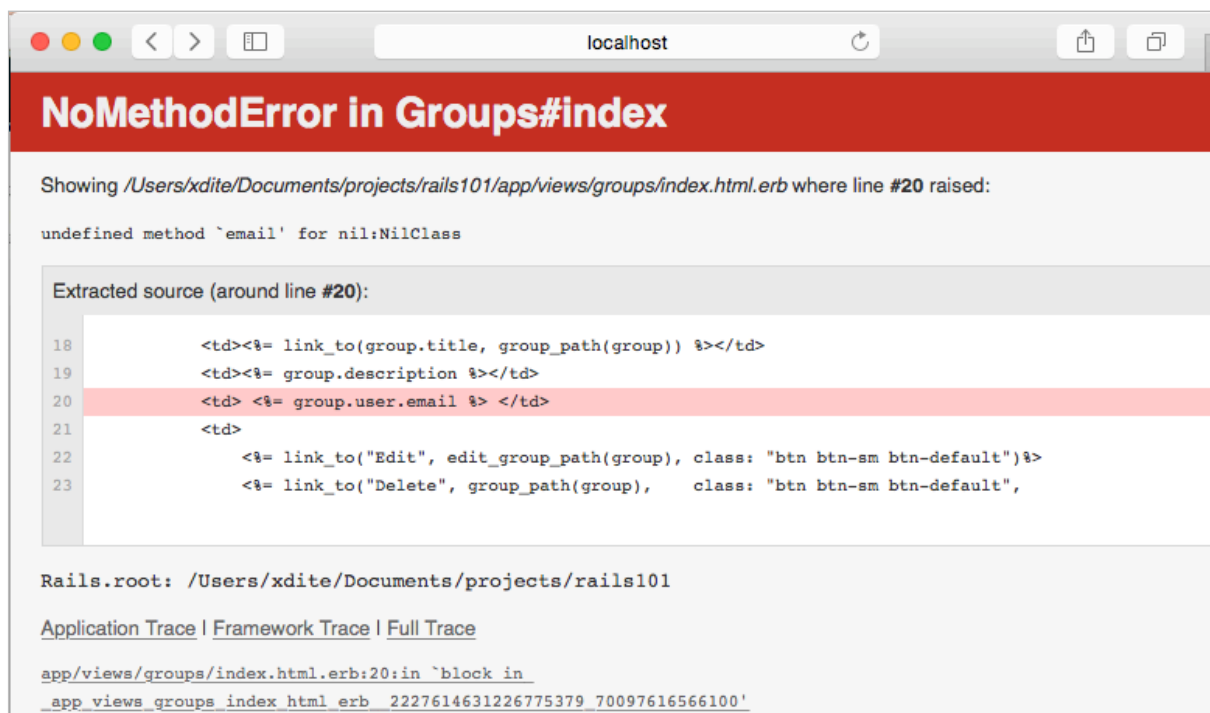
```
1 <div class="col-md-12">
2   <div class="group">
3     <%= link_to("New group", new_group_path, class: "btn btn-primary pull-right") %>
4   </div>
5   <table class="table table-hover">
6     <thead>
7       <tr>
8         <td>#</td>
9         <td>Title</td>
10        <td>Description</td>
11        <td>Creator </td>
12      </tr>
13    </thead>
14    <tbody>
15      <%= @groups.each do |group| %>
16        <tr>
17          <td>#</td>
18          <td><%= link_to(group.title, group_path(group)) %></td>
19          <td><%= group.description %></td>
20          <td><%= group.user.email %> </td>
21          <td>
22            <%= link_to("Edit", edit_group_path(group), class: "btn btn-sm btn-default") %>
23            <%= link_to("Delete", group_path(group), class: "btn btn-sm btn-default",
24              method: :delete, data: { confirm: "Are you sure?" } ) %>
25          </td>
26        </tr>
27      <%= end %>
28    </tbody>
29  </table>
30 </div>
31
```

(https://s3-ap-northeast-1.amazonaws.com/ontrackapp-production/47PSYmIOSxqqvC1EI5iR_Screenshot%20at%20Feb%2024%2017-48-19.png)

app/views/groups/index.html.erb

```
<div class="col-md-12">
  <div class="group">
    <%= link_to("New group", new_group_path, class: "btn btn-primary pull-right") %>
  </div>
  <table class="table table-hover">
    <thead>
      <tr>
        <td>#</td>
        <td>Title</td>
        <td>Description</td>
        <td>Creator </td>
      </tr>
    </thead>
    <tbody>
      <%= @groups.each do |group| %>
        <tr>
          <td>#</td>
          <td><%= link_to(group.title, group_path(group)) %></td>
          <td><%= group.description %></td>
          <td><%= group.user.email %> </td>
          <td>
            <%= link_to("Edit", edit_group_path(group), class: "btn btn-sm btn-default")%>
            <%= link_to("Delete", group_path(group), class: "btn btn-sm btn-default",
              method: :delete, data: { confirm: "Are you sure?" } )%>
          </td>
        </tr>
      <%= end %>
    </tbody>
  </table>
</div>
```

做完之后，打开 <http://localhost:3000/> (<http://localhost:3000/>) 会发现，首页怎么爆炸了。



(https://s3-ap-northeast-1.amazonaws.com/ontrackapp-production/GjeRrb5Tm6TVVrHfJzBw_%E8%9E%A2%E5%B9%95%E5%BF%AB%E7%85%A7%202016-07-11%20%E4%B8%8B%E5%8D%88.16.07.png)

别担心，这是因为我们之前创造的“群组”都是“无主”的。只要把这些“无主”的群组，通通删掉就行了。既然我们也进不去首页删群组了，我们就从 console 删吧。

Step 6: 删除所有“无主”的群组

执行

```
rails console
```

然后输入

```
Group.delete_all
```

```
→ rails101 git:(ch04) rails console
Running via Spring preloader in process 20404
Loading development environment (Rails 5.0.0)
2.3.1 :001 > Group.delete_all
  SQL (2.1ms)  DELETE FROM "groups"
=> 4
2.3.1 :002 > |
```

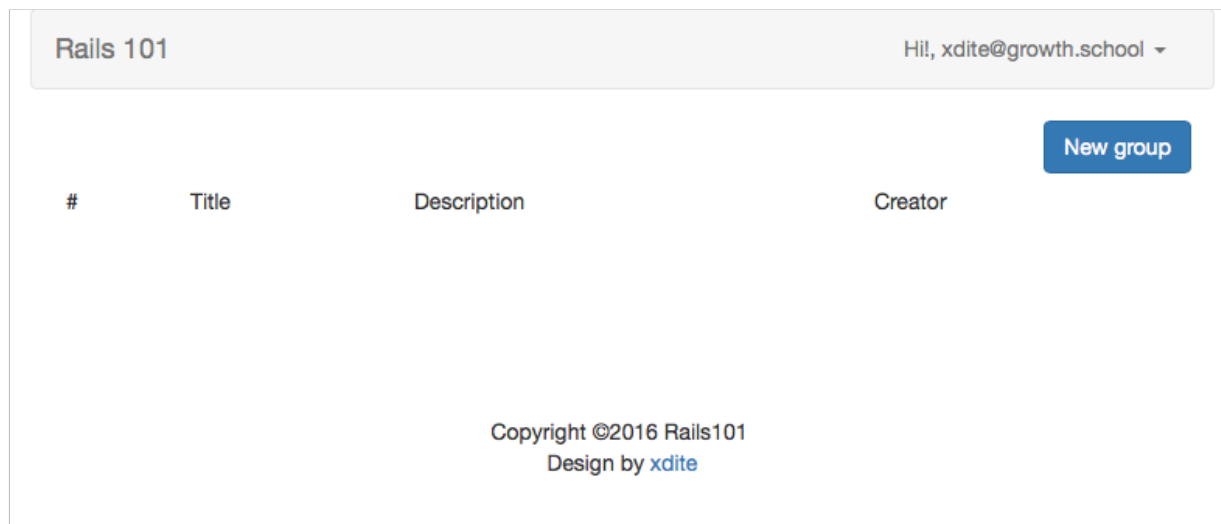
(https://s3-ap-northeast-

1.amazonaws.com/ontrackapp-

production/zqwtQsxhTZGUiUpIaqAI_%E8%9E%A2%E5%B9%95%E5%BF%AB%E7%85%A7%202016-07-11%20%E4%B8%8B%E5%8D%888.18.22.png)

输入 `exit` 退出 console

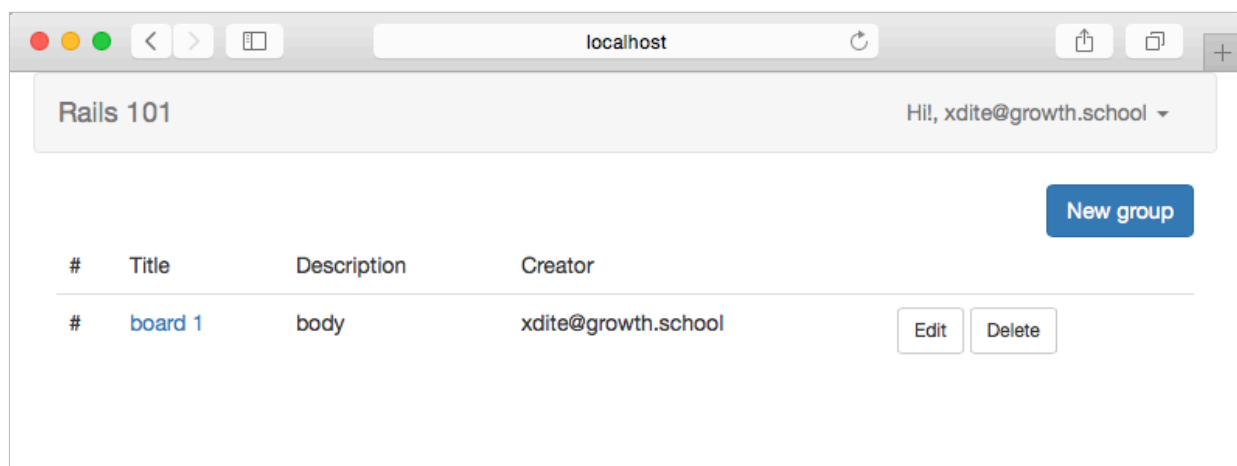
然后再打开 <http://localhost:3000/> (<http://localhost:3000/>) 就正常了。



(https://s3-ap-northeast-1.amazonaws.com/ontrackapp-

production/Ey4iWUNFRjquxd2Hkw5B_%E8%9E%A2%E5%B9%95%E5%BF%AB%E7%85%A7%202016-07-11%20%E4%B8%8B%E5%8D%888.19.53.png)

这时候我们再新增一笔数据，就会显示 creator 的信息了。



(https://s3-ap-northeast-1.amazonaws.com/ontrackapp-

production/ILbrYUr3THS1wvEXLCVt_%E8%9E%A2%E5%B9%95%E5%BF%AB%E7%85%A7%202016-07-11%20%E4%B8%8B%E5%8D%888.20.44.png)

Step 7 : git 存档

```
git add .
git commit -m "show group's creator info "
```

对本页内容的感受如何?

📢 我要吐槽

So easy

还OK

崩溃了

🗨 本节常见问题

has_many 与 belongs_to 是什么意思?

has_many 拥有很多
belongs_to 属于
就是这么直观! 记得你一定要帮他们加上关联!

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