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6-2 建立文章的架构

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- 文章 Post 要有“内容”、“所属讨论群组”、“叙述”
- 发文网址是在 <http://localhost:3000/groups/1/posts/new>
(<http://localhost:3000/groups/1/posts/new>)

步骤

Step 0. git checkout -b ch05

因为我们现在要实作第五章的内容，新增一个 branch 把实作内容集中在 ch05 是比较合理的。将来回顾就可以比较清楚 在 ch05 我们做了哪一些练习。

```
git checkout -b ch05
```

Step 1. 设计 Post 的 model 架构

- 文章内容要有“内容”、“所属讨论群组”、“叙述”
- 我们在这里要建立一个 model **Post**，并建立数据表 post 的三个栏位: content (text 文字属性)、group_id (integer 数字属性)、user_id (integer 数字属性)

```
rails g model post content:text group_id:integer user_id:integer
```

将数据库建立起来，并执行 rake db:migrate

```
rake db:migrate
```

Step 2. 建立 Group / Post / User 三者间的关系

- Group has_many posts

```
app/models/group.rb

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

- User has_many posts

```
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
  has_many :posts
end
```

- Post belongs_to User
- Post belongs_to Group

```
app/models/post.rb

class Post < ApplicationRecord
  belongs_to :user
  belongs_to :group
end
```

Step 3. git 存档

```
git add .
git commit -m "add post and hook group/user relation"
```

Step 4. 建立 Post Controller

```
rails g controller posts
```

Step 5. 设立 routing

修改 config/routes.rb

将 resources :posts 加入 resources :groups 内。

```
Rails.application.routes.draw do
  devise_for :users
  resources :groups do
    resources :posts
  end
  root 'groups#index'
end
```

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

production/tDOcEw7QFyG41ktvz05g_posts_resources.png)

```
config/routes.rb

Rails.application.routes.draw do
  devise_for :users
  resources :groups do
    resources :posts
  end
  root 'groups#index'
end
```

做了这件事后，执行

```
rake routes
```

然后你就会发现， routing 列表内产生了 /groups/:group_id/posts/new 这样的网址支援。

	PATCH	/users(.:format)	devise/registrations#update
	PUT	/users(.:format)	devise/registrations#update
	DELETE	/users(.:format)	devise/registrations#destroy
group_posts	GET	/groups/:group_id/posts(.:format)	posts#index
	POST	/groups/:group_id/posts(.:format)	posts#create
new_group_post	GET	/groups/:group_id/posts/new(.:format)	posts#new
edit_group_post	GET	/groups/:group_id/posts/:id/edit(.:format)	posts#edit
group_post	GET	/groups/:group_id/posts/:id(.:format)	posts#show
	PATCH	/groups/:group_id/posts/:id(.:format)	posts#update
	PUT	/groups/:group_id/posts/:id(.:format)	posts#update
	DELETE	/groups/:group_id/posts/:id(.:format)	posts#destroy
groups	GET	/groups(.:format)	groups#index
	POST	/groups(.:format)	groups#create
new_group	GET	/groups/new(.:format)	groups#new
edit_group	GET	/groups/:id/edit(.:format)	groups#edit

(https://s3-ap-

northeast-1.amazonaws.com/ontrackapp-production/QxIWwWQmR5yUvfzjxkeq_rake_routes.png)

Step 6. git 存档

```
git add .
git commit -m "add posts nested route"
```

Step 7. 在 groups#show 新增“发表文章”按钮

修改 app/views/groups/show.html.erb

然后加入一行

```
app/views/groups/show.html.erb

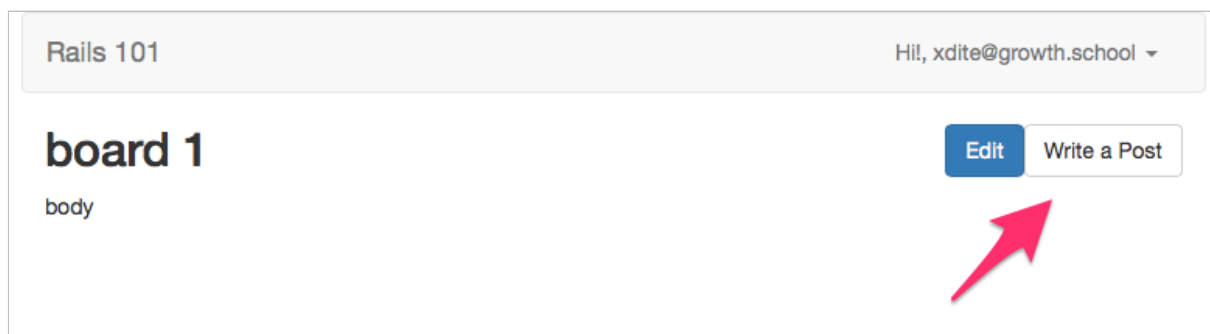
<%= link_to("Write a Post", new_group_post_path(@group), class: "btn btn-default pull-right")%>
```

在权限判断的位置上面:

```
<div class="col-md-12">
  <div class="group">
    <%= link_to("Write a Post", new_group_post_path(@group), class: "btn btn-default pull-right")%>
    <% if current_user && current_user == @group.user %>
      <%= link_to("Edit", edit_group_path(@group), class: "btn btn-primary pull-right")%>
    <% end %>
  </div>
  <h2><%= @group.title %></h2>
  <p><%= @group.description %></p>
</div>
```

(https://s3-ap-northeast-1.amazonaws.com/ontrackapp-production/IWovsg8Tz2uFiThPPdPj_show_html_erb_%E2%80%94_Users_xdite_Documents_projects_rails101.png)

我们就得到了一颗可以新增文章的按钮



(https://s3-ap-northeast-1.amazonaws.com/ontrackapp-production/5He41qXDQbqELgONTa7S_Rails101.png)

Step 8. git 存档

```
git add .
git commit -m "add post button"
```

对本页内容的感受如何?

📢 我要吐槽

😊 So easy

😐 还OK

😭 崩溃了

← 上一页 (/posts/75)

💡 可以使用 ← → 键进行翻页

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