

Tags

Let's implement tagging functionality, tags allow us to add interesting stuff like filtering questions with tags or recommending similar questions.

Installing Taggit

We use a ready package for implementing tagging, you can install it by -

```
$ pipenv install django-taggit
```

After that add "taggit" to our installed apps in settings.py file.

Adding to Model

We need to add taggit to Questions Model

```
from taggit.managers import TaggableManager

class Question(models.Model):
    ....
    tags = TaggableManager()
```

Then migrate as usual

Forms

Add the newly added field to forms.

View

We need to create a view to handle our tags, just copy 'index.html' to server as our starting template.

```
# Tag List
def question_list_tags(request, tag_slug=None):
    # Get all the published questions
    questions = Question.published.all()
    tag = None

    if tag_slug:
        # Get retrieve the tag
        tag = get_object_or_404(Tag, slug=tag_slug)
        # Get all the questions with our tag
        questions = questions.filter(tags__in=[tag])
```

```
context = {  
    'questions': questions,  
    'tag': tag  
}  
return render(request, 'djora/index_tags.html', context)
```

Also need to update question create view so that it saves the tag as well.

```
form.save_m2m()
```

URL's & Templates

As usual, we need to update URL's & templates.