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Adding Tags Using Django-Taggit in Django Project

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Django-Taggit is a Django application which is used to add tags to blogs, articles etc. It makes very easy for us to make adding the tags functionality to our django project.

Setting up Django Project

- Installing django-taggit

```
pip install django-taggit
```

- ADD it to Main Project's settings.py file

Python3

```
INSTALLED_APPS = [  
    'django.contrib.admin',  
    'django.contrib.auth',  
    'django.contrib.contenttypes',  
    'django.contrib.sessions',  
    'django.contrib.messages',  
    'django.contrib.staticfiles',  
    'django.contrib.humanize',  
    'taggit'  
]
```



- **Changes To models.py file**

Add TaggableManager in your post, blog, article modal

Python3

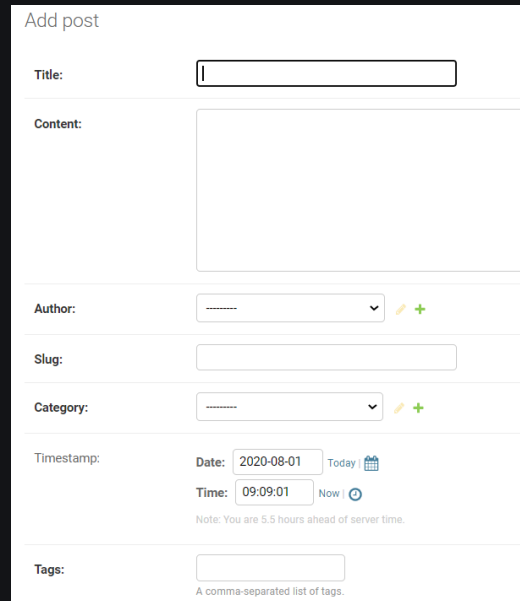
```
from django.db import models
from django.utils.timezone import now
from taggit.managers import TaggableManager

class Post(models.Model):
    postid = models.AutoField(primary_key=True)
    title = models.CharField(max_length=255)
    content = models.TextField()
    author = models.CharField(max_length=100)
    postauthor = models.ForeignKey(User, on_delete=models.CASCADE)
    slug = models.SlugField(unique=True)
    category = models.CharField(max_length=200)
    timestamp = models.DateTimeField(default=now, blank=True)
    tags = TaggableManager()
```

After adding TaggableManager run following commands in terminal

- python manage.py makemigrations
- python manage.py migrate



The TaggableManager will show up automatically as a field in post modal





Add post



Title:

Content:

Author:  

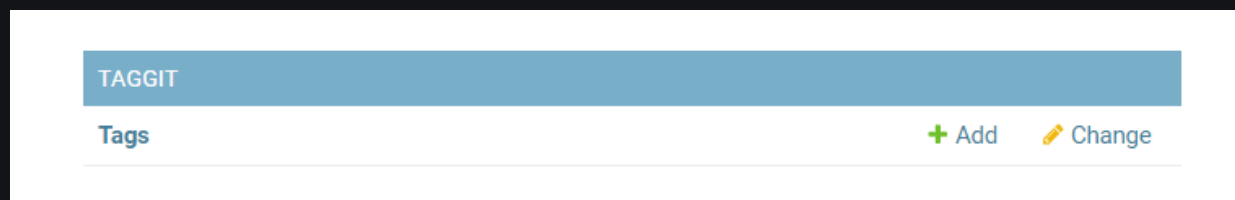
Slug:

Category:  

Timestamp: Date: 2020-08-01 Today  Time: 09:09:01 Now 
Note: You are 5.5 hours ahead of server time.

Tags:
A comma-separated list of tags.

The Taggit Modal will also appear automatically as a separate modal in admin panel



Taggit Modal In Admin Panel

Adding tags

1) If the tags input doesn't contain any commas or double quotes, it will be taken as space-delimited list of tag names.

geeks for geeks => "geeks", "for", "geeks"

2) If the tags input does contain commas or double quotes then :

a) geeks, geeks for geeks => "geeks", "geeks for geeks"
 b) "geeks, forgeeks" geek geeksfor => "geeks, forgeeks", "geek", "geeksfor"
 c) "geeks, forgeeks", geek geeksfor => "geeks, forgeeks", "geeks geeksfor"
 d) geeks "for" geeks => "geeks", "for", "geeks"

After Adding Tags to the posts the taggit modal will look like :

Action: ▼ Go 0 of 6 selected	
<input type="checkbox"/> NAME	SLUG
<input type="checkbox"/> entertainment	entertainment
<input type="checkbox"/> run	run
<input type="checkbox"/> running	running
<input type="checkbox"/> soccer	soccer
<input type="checkbox"/> technical	technical
<input type="checkbox"/> yoga	yoga

6 tags

All the tags which are associated with different posts will appear in tags modal under taggit

On clicking the particular tag, There will come a list of all the posts associated with that particular tag. Now this model can be used with the project like other models

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