ADF Practical – 7 Steps

- Submitted by: - Sanket Chheladiya(18bce042)

-Submitted To: - Prof. Dvijesh Bhatt

Q:-

Demonstrate the concept of permission handling for various users for the Social Media Application.

decorators.py

```
from django.http import HttpResponse
from django.shortcuts import redirect,render

def allowed_users(allowed_roles=[]):
    def decorator(view_func):
        def wrapper_func(request, *args, **kwargs):

        group = None
        if request.user.groups.exists():
            group = request.user.groups.all()[0].name

        if group in allowed_roles:
            return view_func(request, *args, **kwargs)
        else:
            return render(request, 'registration/permission.html')
        return wrapper_func
        return decorator
```

Views.py

```
from django.shortcuts import render, HttpResponse
from .forms import RegisterForm, ProfileForm
from django.contrib import messages
from django.shortcuts import render, redirect
from .forms import addPost
from django.contrib.auth.models import User
from .models import Post, UserProfile
from django.conf import settings
from django.core.mail import send_mail
from django.utils.http import urlsafe_base64_encode, urlsafe_base64_decode
from django.contrib.sites.shortcuts import get_current_site
from .token import account_activation_token
from django.core.mail import send_mail
from django.template.loader import render_to_string
from django.utils.encoding import force_bytes, force_text
from .decorators import allowed_users
from django.contrib.auth.models import Group
```

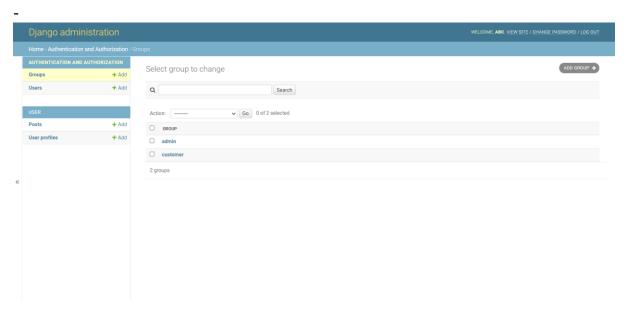
```
def activate(request, uidb64, token):
       uid = force text(urlsafe base64 decode(uidb64))
           fm = addPost()
```

```
fm = addPost()
def show post(request):
       pi.delete()
def update post(request, id):
        fm = addPost(instance=pi)
def view profile(request):
                fm = ProfileForm()
        fm=ProfileForm()
```

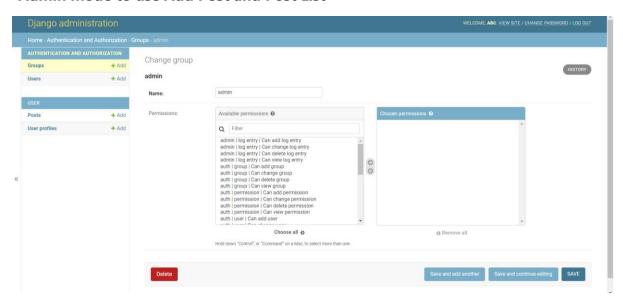
```
# @allowed_users(allowed_roles=['admin'])
def home(request):
    return render(request, 'home.html')
```

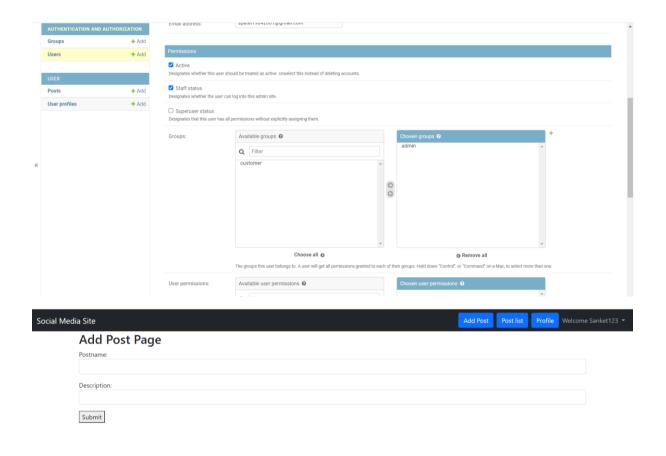
permission.html

Screenshots:



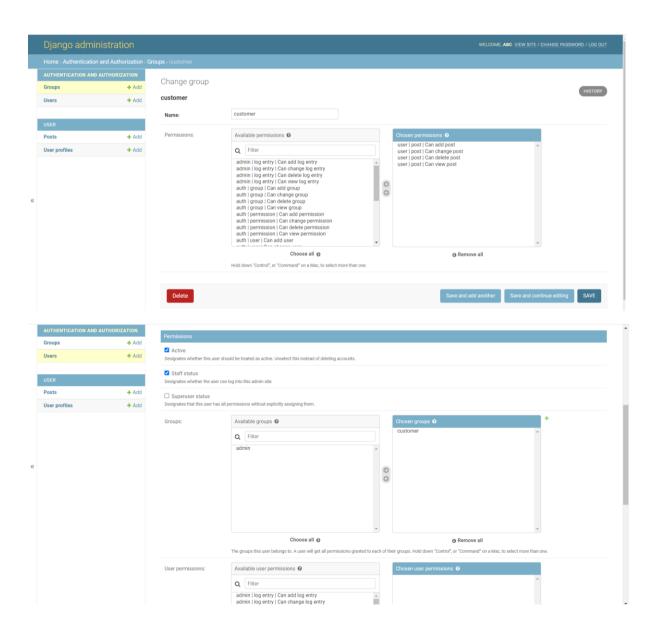
-Admin mode to use Add Post and Post List

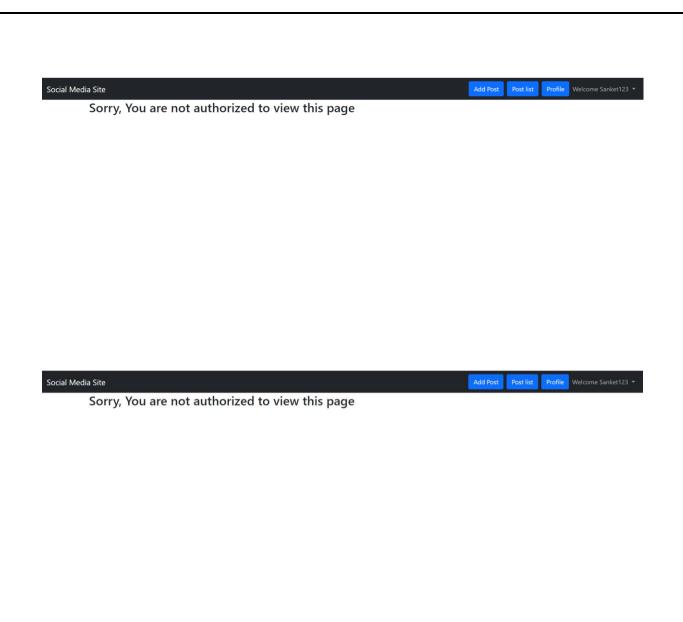






-Customer mode to Restrict to use Add Post and Post List





-----Thank You-----