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#### Practical 5

**Aim:** Continue with the social media application using the Django platform. Creation of custom forms for the social media application.

## **Creating Django project:**

django-admin startproject Practical4\_SocialMedia

#### **Creating New App:**

python manage.py startapp Registration

#### Registration/forms.py:

```
from django import forms

class User_Registration(forms.Form):
    firstname=forms.CharField(label="Enter First Name:")
    lastname=forms.CharField(label="Enter Last Name")
    phone=forms.DecimalField(label="Enter Contact No.")
    email=forms.EmailField(label="Enter Email Address")
    address=forms.CharField(label="",widget=forms.Textarea(attrs={'placeholder':'Enter Address'}))
    username=forms.CharField(label="Enter Username")
    password=forms.CharField(widget=forms.PasswordInput)

class User_Post(forms.Form):
    title=forms.CharField(label="Enter Post Title:")
    description=forms.CharField(label="",widget=forms.Textarea(attrs={'placeholder':'Enter Post Description'}))
    username=forms.CharField(label="Enter Username")
```

```
class Display_Posts(forms.Form):
    reply=forms.CharField(label="Reply")
    comments=forms.CharField(label="",widget=forms.Textarea(attrs={'placeholde
r':'All Comments'}))

class LoginForm(forms.Form):
    username=forms.CharField(label="Enter Username")
    password=forms.EmailField(label="Enter Password")

class ForgotPassword(forms.Form):
    username=forms.CharField(label="Enter Username")
    password=forms.EmailField(label="Enter Email Id")
    newpassword=forms.CharField(label="Enter New Password")
```

## Registration/views.py:

```
from django.shortcuts import render
from django.views.generic import CreateView, ListView, UpdateView
from django.urls import reverse_lazy
from .models import Registration, SocialMediaPost
from Registration.forms import User_Post, User_Registration,
Display_Posts,LoginForm,ForgotPassword
class UserRegistration(CreateView):
    model = Registration
    fields = ('firstname', 'lastname', 'phone', 'email', 'address', 'username',
 password')
    template_name = "registration.html"
    success_url = reverse_lazy('registration')
class UserPost(CreateView):
   model = SocialMediaPost
    fields = ('title', 'description', 'username')
    template_name = "mediapost.html"
    success url = reverse lazy('mediapost')
class DisplayPosts(ListView):
    model = SocialMediaPost
    fields = ('title', 'description')
    template_name = "displaypost.html"
    context_object_name = 'displaypost'
class Login(CreateView):
   model=Registration
```

```
fields=('username','password')
    template_name="login.html"
class UpdatePassword(UpdateView):
    model = Registration
    fields = ('username', 'email', 'password')
    template name = "forgot password.html"
    success_url = reverse_lazy('displaypost')
    # context object name = 'all post'
def register(request):
    userreg = User Registration()
    return render(request, "registration_forms.html", {'form': userreg})
def user Post(request):
    postuser = User Post()
    return render(request, "post_forms.html", {'form': postuser})
def display_post(request):
    all = Display_Posts()
    return render(request, "form display Posts.html", {'form': all})
def login_user(request):
    log = LoginForm()
    return render(request, 'login_form.html', {'form': log})
def forgot_password(request):
   forgpass = ForgotPassword()
    return render(request, 'forgot_password_form.html', {'form': forgpass})
```

# Registration/urls.py:

```
from django.urls import path
# from registration.forms import ForgotPassword
from .views import *

urlpatterns=[
    path('',UserRegistration.as_view(),name='registration'),
    path('submitpost',UserPost.as_view(),name='mediapost'),
    path('allpost',DisplayPosts.as_view(),name='displaypost'),
    path('<int:pk>/update/',UpdatePassword.as_view(),name='updatepassword'),
    path('login',Login.as_view(),name="login"),
```

```
# Practical5
path('registerform',register),
path('addpostform',user_Post),
path('displayallposts',display_post),
path('forgotpassword',forgot_password),
path('loginform',login_user),
```

#### Registration/templates/registration forms.html:

## Registration/templates/login\_form.html:

# Registration/templates/post\_forms.html:

## Registration/templates/form\_display\_Posts.html:

```
<form method="POST" style="text-align:center; border: 1px solid ;">

<h1>Posts</h1>
  <br>
  <h3>Post by:</h3>
  <br>
  <h3>Title:</h3>
  <br>
  <h3>Description:</h3>

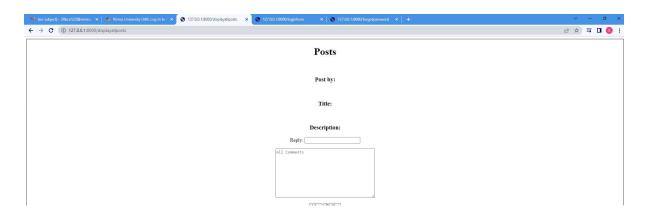
  {% csrf_token %}
  {{ form.as_p }}
  <input type="button" value="Like">
  <input type="button" value="Dislike">
  </form>
```

## Registration/templates/forgot\_password\_form.html:

#### **Output:**











\*\*\*END\*\*\*