

Practical 3
APPLICATION DEVELOPMENT
FRAMEWORKS

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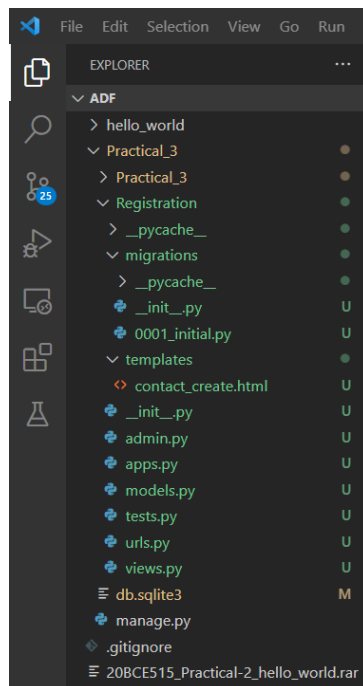
Ahmedabad

Aim : Design model for a new social media platform registration page using Django. Register the model to built-in admin app of Django. Ensure appropriate fields are selected for the registration page.

○ **Creating Django project:**

```
django-admin startproject Practical_3
```

○ **File structure :**



Practical_3/urls.py :

```
from django.contrib import admin
from django.urls import path
from django.urls.conf import include

urlpatterns = [
    path('admin/', admin.site.urls),
    path('', include('Registration.urls'))
]
```

Practical_3/settings.py :

```
INSTALLED_APPS = [
    'django.contrib.admin',
    'django.contrib.auth',
    'django.contrib.contenttypes',
    'django.contrib.sessions',
```

```
'django.contrib.messages',  
'django.contrib.staticfiles',  
'Registration',  
]
```

- **Create Django App :**

```
python manage.py startapp Registration
```

- **Registration/models.py:**

```
from django.db import models  
  
# Create your models here.  
class Contact(models.Model):  
    first_name = models.CharField(max_length = 100)  
    last_name = models.CharField(max_length = 100)  
    username=models.CharField(max_length=50)  
    email=models.EmailField()  
    password=models.CharField(max_length=20)  
    contact=models.IntegerField(max_length=10)  
    age= models.IntegerField()
```

- **Registration/admin.py:**

```
from django.contrib import admin  
from .models import Contact  
  
# Register your models here.  
admin.site.register(Contact)
```

- **Registration/urls.py:**

```
from django.urls import path  
from .views import *  
urlpatterns = [  
    path('',ContactCreate.as_view()),  
]
```

- **Registration/templates/contact_create.html :**

```
<form method="POST">  
    {%csrf_token%}  
    {{form.as_p}}  
    <button type="submit"> Save </button>  
</form>
```

- **Registration/views.py :**

```
from django.shortcuts import render

# Create your views here.
from django.views.generic import CreateView
from .models import Contact
from django.urls import reverse_lazy

class ContactCreate(CreateView):
    model = Contact
    fields=('first_name','last_name','username','email','password','contact',''
age')
    template_name="contact_create.html"
```

- **Execution :**

```
python manage.py runserver
```

localhost:8000

First name:

Last name: Please fill out this field.

Username:

Email:

Password:

Contact:

Age:

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****END****