**API Document**

1)Create virtual env(conda,venv,virtualenv)

2)configure db settings under settings.py under project

3)create superuser & mention ur app name in installed apps.

4)install psycopg2,djangorestframework & mention name in installed apps as rest\_framework

5)create model & register it under admin.py

registration

from .models import UserAPI

admin.site.register(UserAPI)

Models:-

class UserAPI(models.Model):

Name=model.CharField(unique=False,max\_length=50)

Email=models.EmailField(unique=True)

Password=models.CharField(unique=False,max\_;ength=50)

class Meta:

verbose\_name = "UserAPI"

verbose\_name\_plural=”UserAPI”

def \_\_str(self):

return self.email

Views.py

From rest\_framework.response import Response

From rest\_framework.views import APIView

From .models import UserAPI

class UsersAPIView(APIView):

    def get(self,request):

        #print(request.data)

        queryset=UsersAPI.objects.filter(Email=request.data.get('Email'))

        if queryset:

            if queryset.values('Password').first()['Password']==request.data.get('Password'):

                return Response("You are Successfully Logged in")

            else:

                return Response("Password is Incorrect")

        else:

            return Response("User is not Registered")

        return Response("Working")

Create url into api apps urls.py:-

from django.urls import path

from .views import UsersAPIView

urlpatterns = [

    path('login/',UsersAPIView.as\_view()),

]

Edit under urls.py under project :-

from django.contrib import admin

from django.urls import path,include

urlpatterns = [

    path('admin/',admin.site.urls),

    path('api/',include('api.urls'))

]

Now runserver and paste link <http://127.0.0.1:8000/api/login/>

Create serializers.py into app dir (because to get output on terminal u have to convert json data to bytes)

from rest\_framework import serializers

from .models import UsersAPI

class UsersAPISeralizer(serializers.Serializer):

    Name:serializers.CharField(max\_length:50)

    Email:serializers.CharField()

    Password:serializers.CharField()

And import serializers under views.py :- from .serializers import UsersAPISeralizer

POST:-

Into views.py

def post(self,request):

        queryset=request.data

        serializer=UsersAPISerializer(data=queryset)

        if serializer.is\_valid(raise\_exception=True):

            save\_data=serializer.save()

        return Response({"Success":"User '{}' created Successfully".format(save\_data.Name)})

Into serializer.py

def create(self,validated\_data):

        return UsersAPI.objects.create(\*\*validated\_data)