Rest Api for shop page



Steps:

- 1. Open postman tool
- 2. Choose get method and paste the provided url
- 3. for authentication choose Header tab and type in parameters Key -> Authorization

value->Token f716397ecea3f7405ef35af149bedf8d4a0c99b8

4. Click send

Task Completed:

- Product Image
- Name
- Price
- Discount Price
- Quantity
- Stock

Created 2 category

- Whole Grain flour (with 3 product)
- Whole wheat flour (with 3 product)

Provide PUT, GET, POST, PATCH method

To retrive list of products

<url>/products

To retrive specific products from id

<ur><url>/products/1

Same as followed with category

------ Code setting.py-----

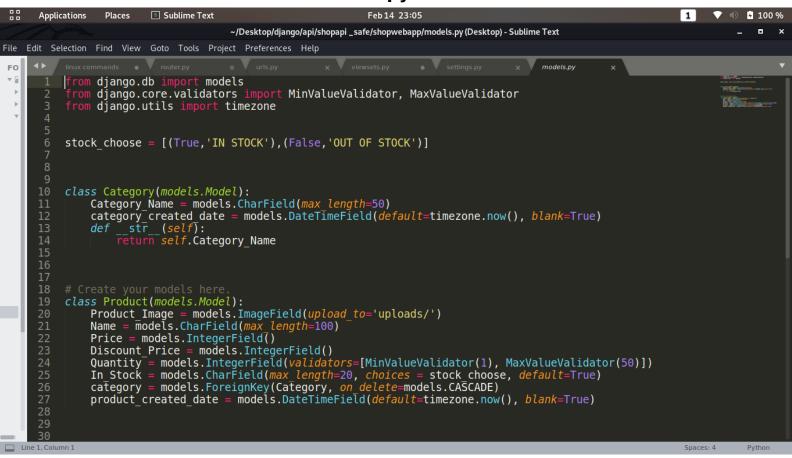
```
INSTALLED_APPS = [
  'shopwebapp',
  'rest_framework',
  'rest_framework.authtoken',
```

> Add app name in settings.py as shopwebapp is my app name

> at the end add below code for authentication

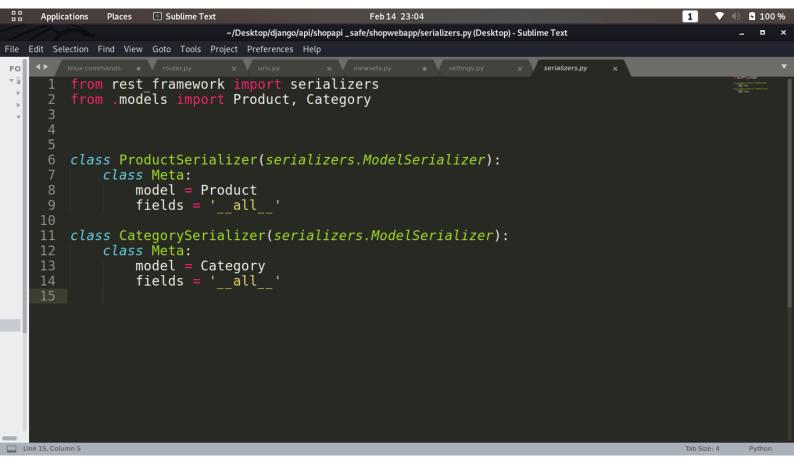
```
REST_FRAMEWORK = {
    'DEFAULT_AUTHENTICATION_CLASSES':[
        'rest_framework.authentication.TokenAuthentication',
],
    'DEFAULT_PERMISSION_CLASSES':[
        'rest_framework.permissions.IsAuthenticated',
]
}
> migrate settings
```

----- models.py -----

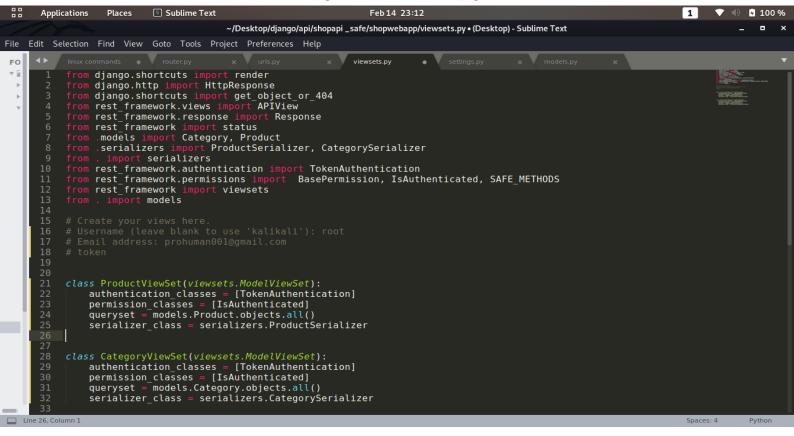


- > Serializers used in Django rest framework to convert django model objects into json format
- > router from rest framework supports to route the url automatically and quickly

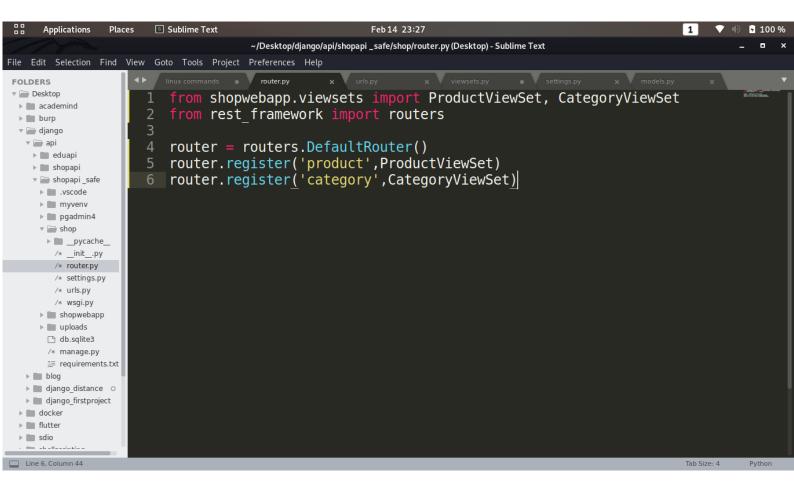
------ Create serializers.py file ------



-----views.py or viewsets.py ------



------ create router.py file



----- urls.py file-----Applications

Sublime Text

Places

```
FOLDERS
                                               • V router.py x V urls.py x V viewsets.py • V settings.py x V models.py x Import the include() function: from django.urls import include,
                                                                           urls.py
 Desktop
  ▶ academind
                            14
  ⊳ 🛅 burp
  ▼ 🚞 api
     ▶ 🚞 eduapi
                            17
     ▶ ■ shopapi
                                   from django.contrib import admin
from django.urls import path, include
     ▶ 🔳 .vscode
                            19
      ▶ myvenv
                                   from .router import router
      ▶ pgadmin4
                            21
       ▼ 🚞 shop
        __pycache_
                            22
         /* init .py
                                   urlpatterns = [
          /* router.py
                                         path('admin/', admin.site.urls),
path('',include(router.urls))
                            24
          /* settings.py
         /* urls.py
                            25
          /* wsgi.py
       ▶ ■ shopwebapp
       ▶ ■ uploads
        db.sqlite3
        /* manage.py

    i≡ requirements.txt

   ▶ Dlog
   ▶ ■ diango distance ○
    django_firstproject
  ▶ ■ flutter
  ▶ ■ sdio
Line 27, Column 1
```

Feb 14 23:28

~/Desktop/django/api/shopapi _safe/shop/urls.py • (Desktop) - Sublime Text

4 100 %