Topic: 16. DRF Searching

Speaker: Personal | Notebook: API Development using Django Framework
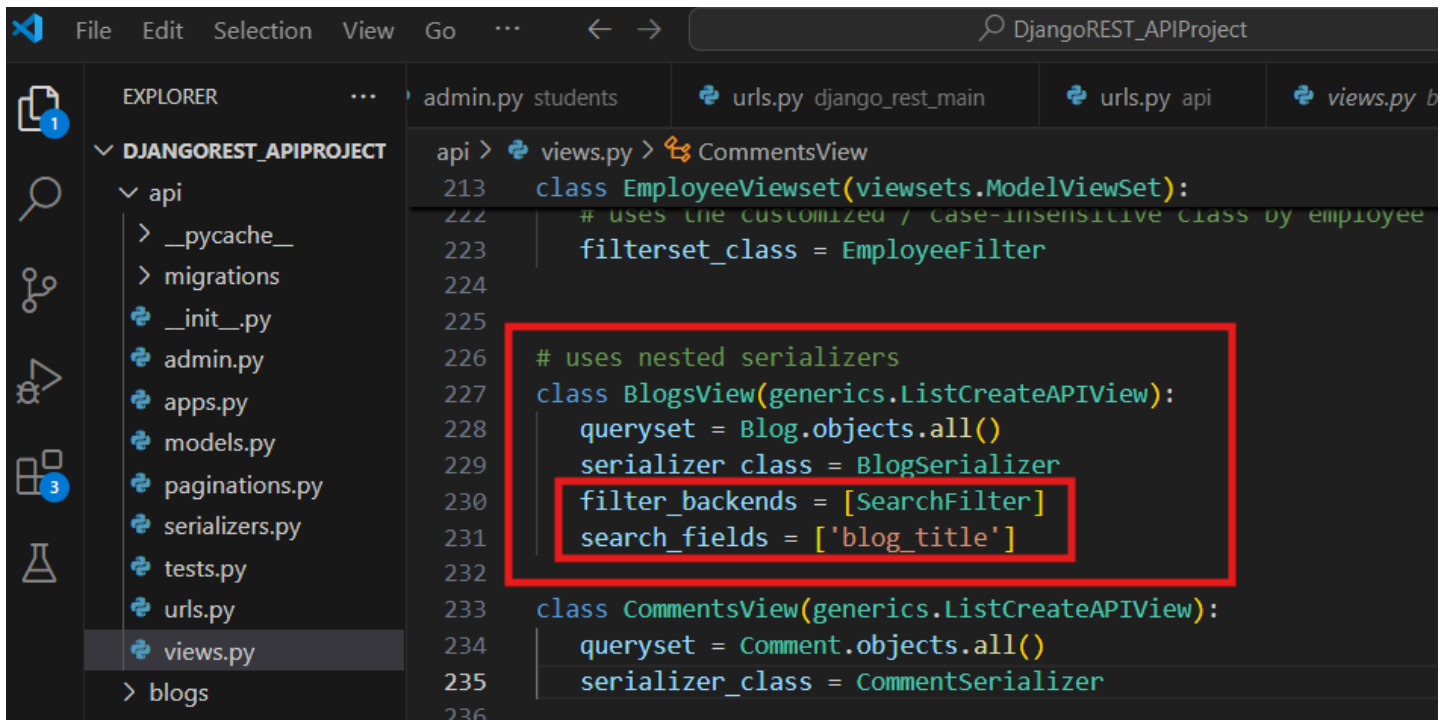

We can search through the database fields like BLOGS' title or comments.

1. Go to API\VIEWS.PY:

EXPLORER   ···   admin.py students   urls.py django_rest_main   urls.py api   views.py b

∨ DJANGOREST_APIPROJECT   api > views.py > CommentsView

∨ api
  > __pycache__
  > migrations
  __init__.py
  admin.py
  apps.py
  models.py
  paginations.py
  serializers.py
  tests.py
  urls.py
  views.py
 > blogs

```python
213        class EmployeeViewset(viewsets.ModelViewSet):
222            # uses the customized / case-insensitive class by employee
223            filterset_class = EmployeeFilter
224
225
226        # uses nested serializers
227        class BlogsView(generics.ListCreateAPIView):
228            queryset = Blog.objects.all()
229            serializer_class = BlogSerializer
230            filter_backends = [SearchFilter]
231            search_fields = ['blog_title']
232
233        class CommentsView(generics.ListCreateAPIView):
234            queryset = Comment.objects.all()
235            serializer_class = CommentSerializer
236
```
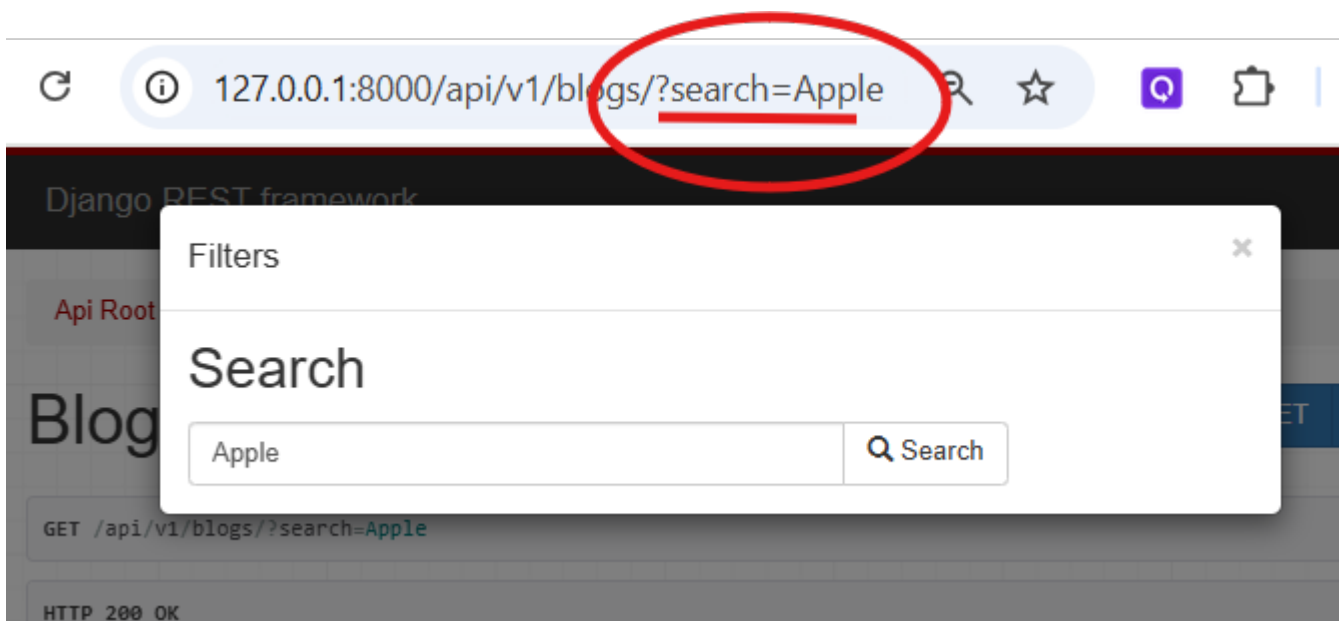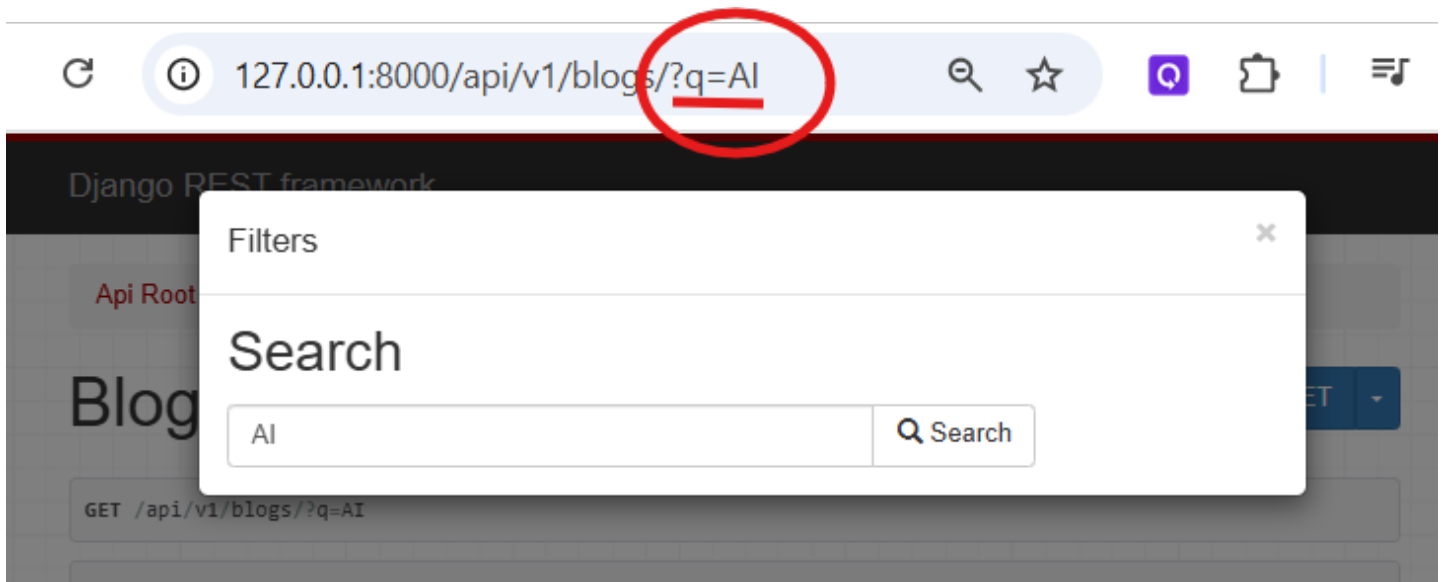
2. Now search thru BLOGS model:
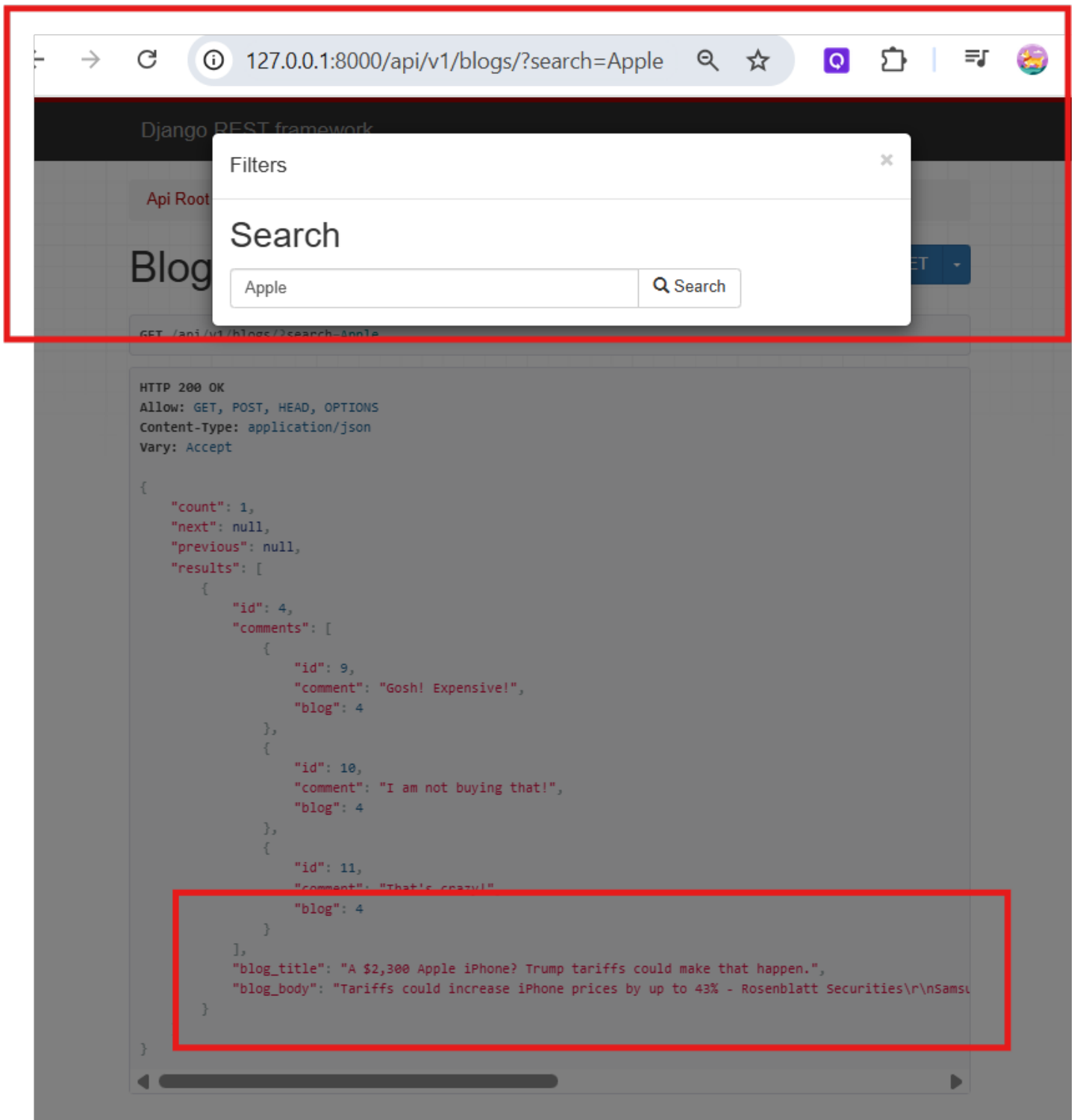
3. If you want to change the search keyword 'search' to 'q,' then update the SETTINGS.PY
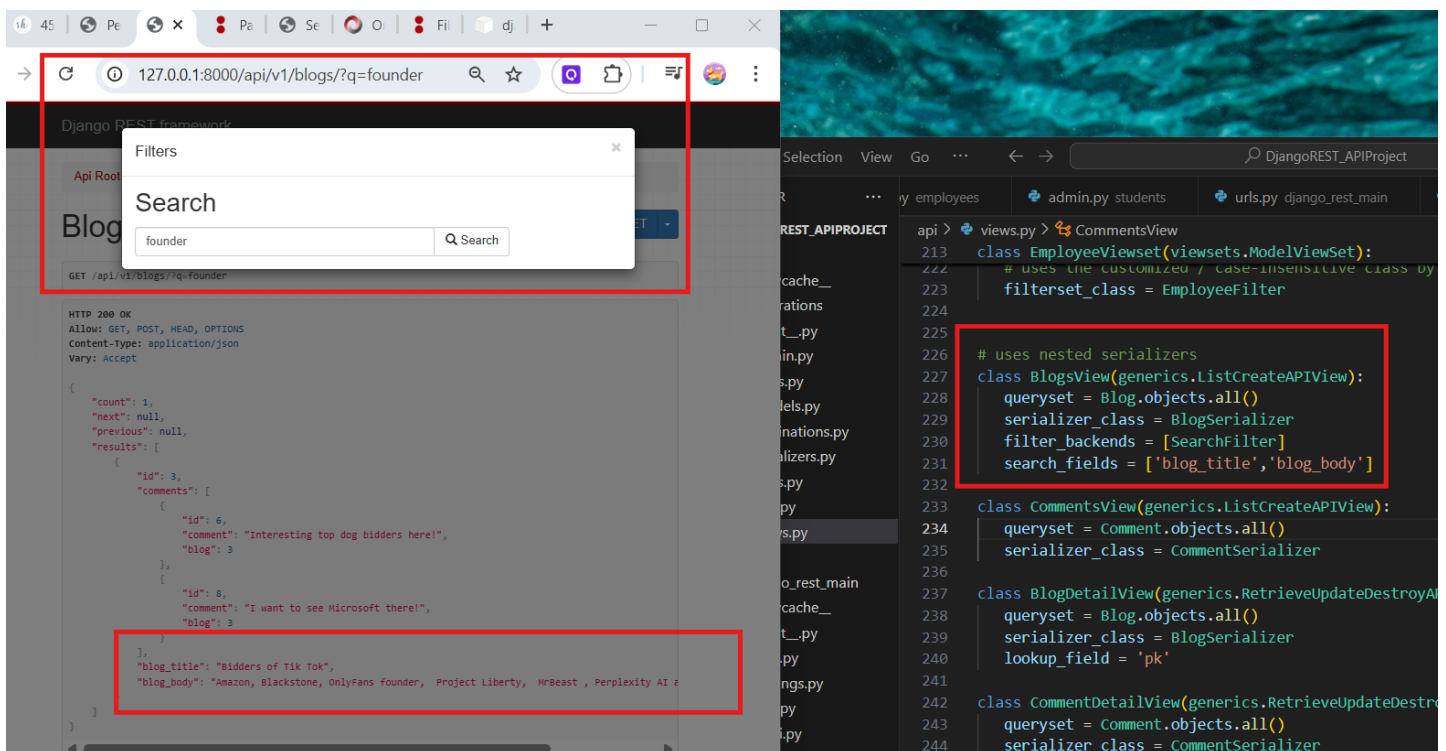
```
131
132     REST_FRAMEWORK = {
133         # for Global Pagination
134         'DEFAULT_PAGINATION_CLASS': 'rest_framework.pagination.LimitOffsetPagination',
135         'PAGE_SIZE': 5,
136         # for Global Filtering
137         'DEFAULT_FILTER_BACKENDS': ['django_filters.rest_framework.DjangoFilterBackend'],
138         # overrides the query parameter instead of the default label 'search'
139         'SEARCH_PARAM' : 'q',
140     }
141
```

FROM:


```
127.0.0.1:8000/api/v1/blogs/?search=Apple
```

Django REST framework

Filters   ×

Search

Apple   Q Search

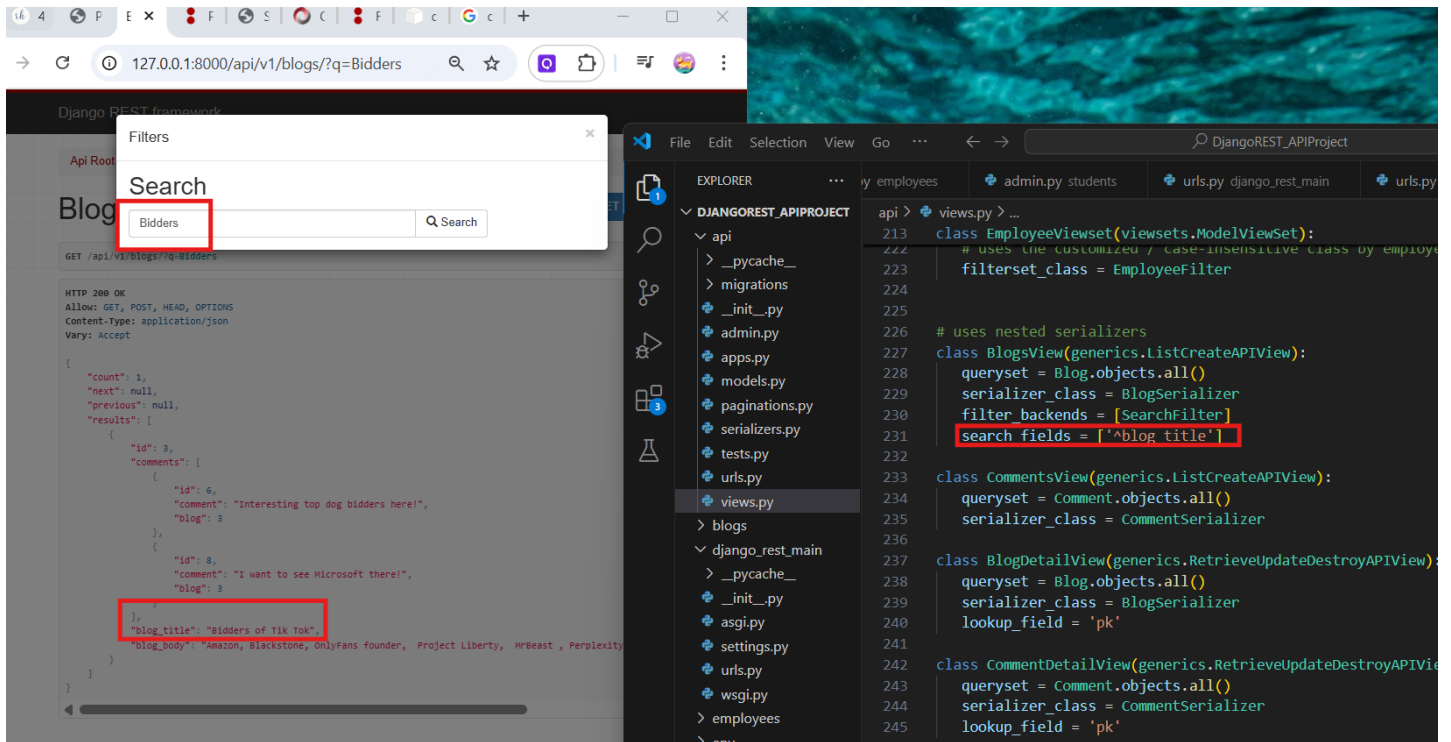GET /api/v1/blogs/?search=Apple

HTTP 200 OK

TO:

4. To search through the BLOG_BODY:

5. To search for a blog title that starts with a specific keyword, use the caret symbol (^).

But when you use a keyword, not the actual starting word, it won't show any result.