Topic: 16. DRF Searching

Speaker: Personal | Notebook: API Development using Django Framework

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

1. Go to API\VIEWS.PY:

File   Edit   Selection   View   Go   ···   ← →   🔎 DjangoREST_APIProject

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

∨ DJANGOREST_APIPROJECT   api > 🐍 views.py > ❤️ CommentsView
  ∨ api   213   class EmployeeViewset(viewsets.ModelViewSet):
    > __pycache__   222   # uses the customized / case-insensitive class by employee
    > migrations   223   filterset_class = EmployeeFilter
    🐍 __init__.py   224
    🐍 admin.py   225
    🐍 apps.py   226   # uses nested serializers
    🐍 models.py   227   class BlogsView(generics.ListCreateAPIView):
    🐍 paginations.py   228   queryset = Blog.objects.all()
    🐍 serializers.py   229   serializer_class = BlogSerializer
    🐍 tests.py   230   filter_backends = [SearchFilter]
    🐍 urls.py   231   search_fields = ['blog_title']
    🐍 views.py   232
  > blogs   233   class CommentsView(generics.ListCreateAPIView):
                                    234   queryset = Comment.objects.all()
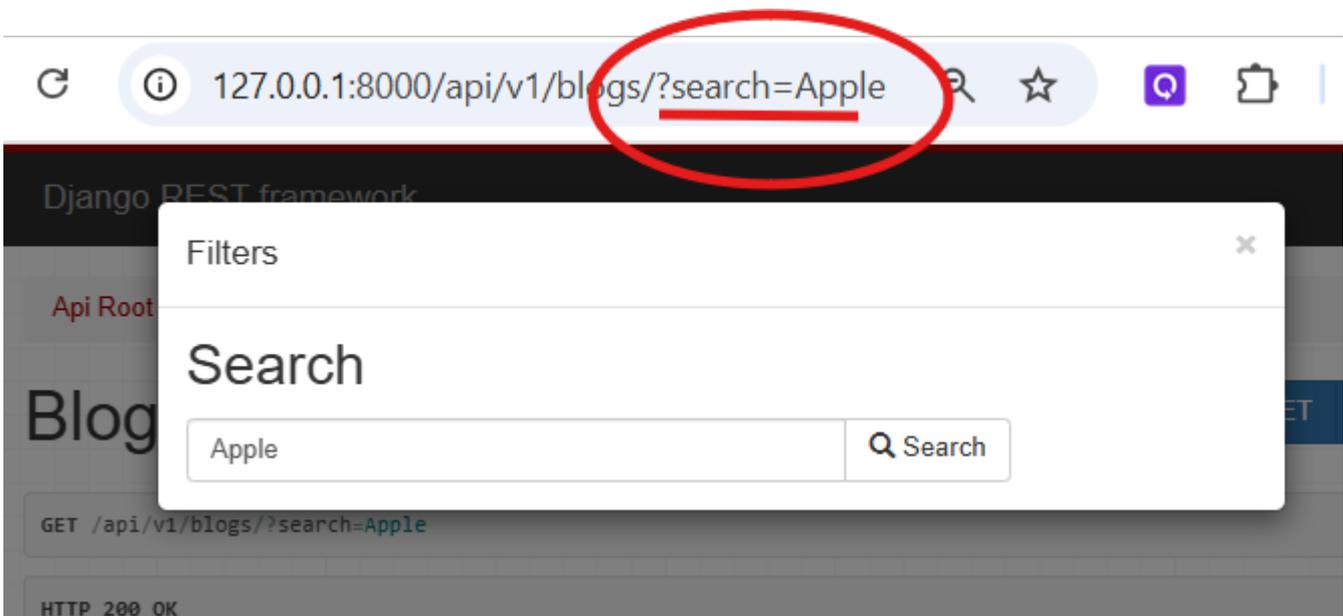   235   serializer_class = CommentSerializer
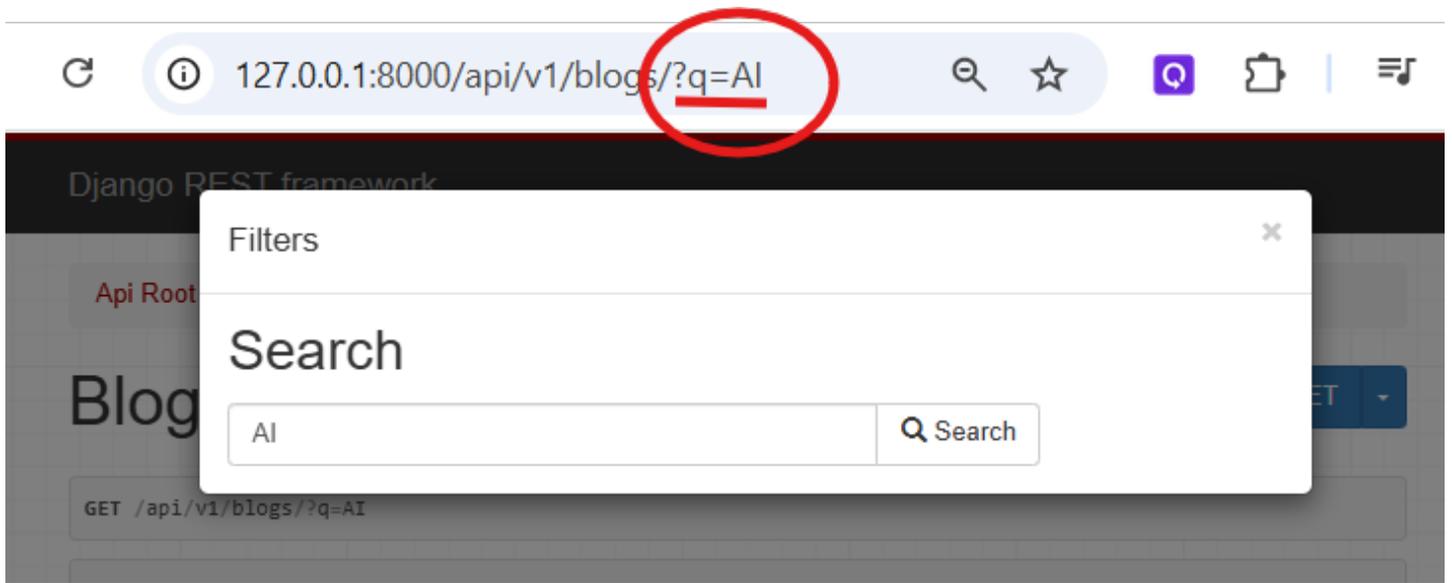   236

2. Now search thru BLOGS model:

Filters

Search

Apple   🔍 Search

```
HTTP 200 OK
Allow: GET, POST, HEAD, OPTIONS
Content-Type: application/json
Vary: Accept

{
    "count": 1,
    "next": null,
    "previous": null,
    "results": [
        {
            "id": 4,
            "comments": [
                {
                    "id": 9,
                    "comment": "Gosh! Expensive!",
                    "blog": 4
                },
                {
                    "id": 10,
                    "comment": "I am not buying that!",
                    "blog": 4
                },
                {
                    "id": 11,
                    "comment": "That's crazy!"
                    "blog": 4
                }
            ],
            "blog_title": "A $2,300 Apple iPhone? Trump tariffs could make that happen.",
            "blog_body": "Tariffs could increase iPhone prices by up to 43% - Rosenblatt Securities\r\nSamsu
        }
}
```

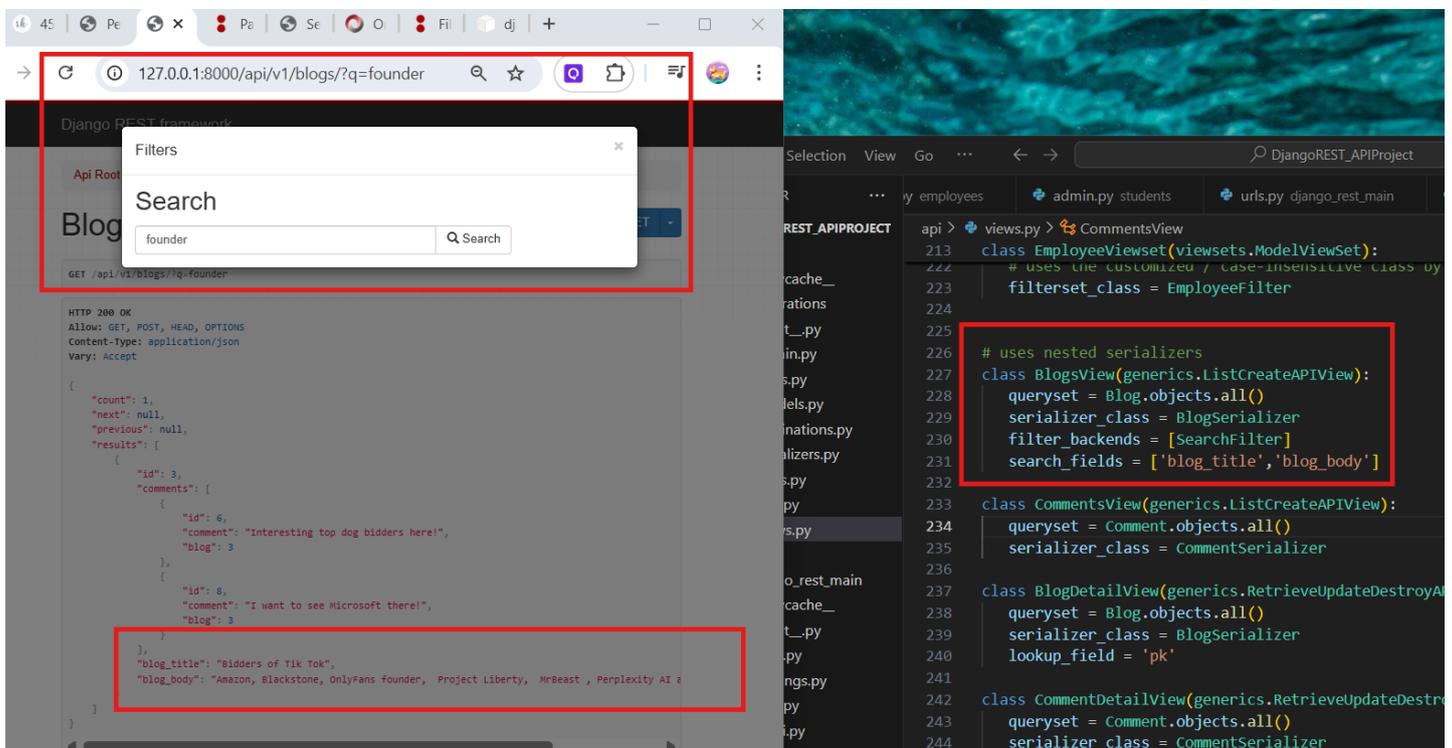3. If you want to change the search keyword 'search' to 'q,' then update the SETTINGS.PY
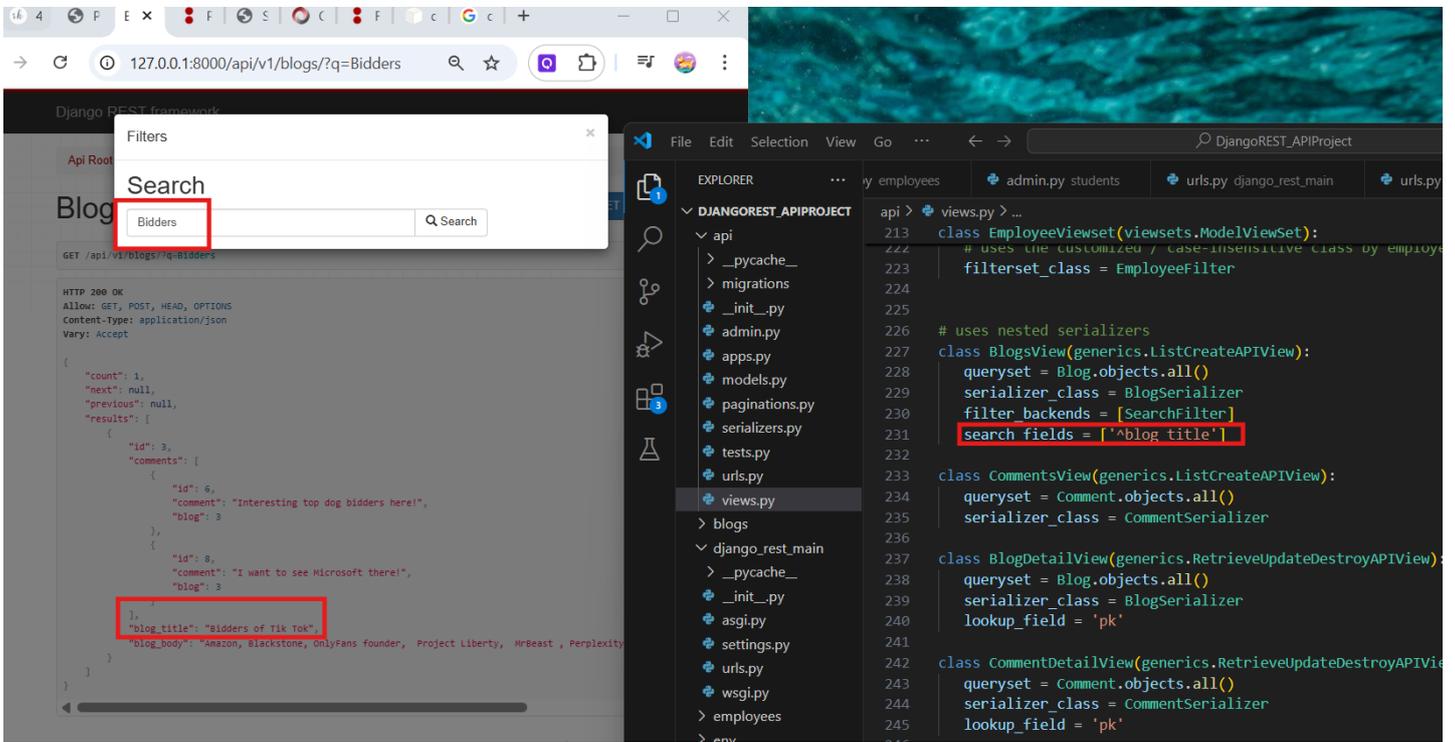
FROM:

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.