Topic: Car Listing: Search Functionality Part 10

Speaker: Udemy Instructor Rathan Kumar | Notebook: Django Project: Car Listing



1. To allow searching based on other fields like MODEL, YEAR, CITY, or BODY_STYLE, update the SEARCH function in CARS\VIEWS.PY

FROM:

```
×
                                                                                            Carzone-Project
                              o cars.html M
     EXPLORER

√ CARZONE-PROJECT

Ф
                                     def search(request):
      > migrations
                                          cars = Car.objects.order_by('-created_date')
      __init__py
¥
      admin.py
                                          if 'keyword' in request.GET:
      apps.py
                                              keyword = request.GET['keyword']
     tests.py
       urs.py
      views.py
                                              if keyword:
                                                  cars = cars.filter(description__icontains=keyword)
      > pycache_
                                          if 'model' in request.GET:
      > migrations
      🌳 _init_py
                                              model = request.GET['model']
      admin.py
      арря.ру
      models.py
                                              if model:
      tests.py
      urls.py
      views.py
                                                  cars = cars.filter(model__iexact=model)
     > photos
                                          if 'city' in request.GET:
     > static
                                              city = request.GET['city']
                                              if city:
      o cars.html
                                                  cars = cars.filter(city__iexact=city)

✓ includes

                                          if 'year' in request.GET:
       o footer.html
      navbar.html
                                              year = request.GET['year']
      topbar.html
                                              if year:
      about.html
                                                  cars = cars.filter(year__iexact=year)
      contact.html

    home.html

    services.html

                                          if 'body style' in request.GET:
      O base.html
                                              body_style = request.GET['body_style']
     gitignore .
     = carzone_db
                                              if body_style:

    db.solite3

     manage.py
                                                  cars = cars.filter(body_style__iexact=body_style)
                                          data = {
                                              'cars': cars,
                                          return render(request, 'cars/search.html', data)
```

2. We change the name of our SELECT attributes

FROM:

TO.

3. For the PRICE SLIDER. We use GTE (FOR GREATER THAN OR EQUAL) and LTE (FOR LESS THAN EQUAL)

* take note of the double underscore before the use of LTE or GTE (__gte or __lte)

Run the server again to search using the price slider:

Result should be:

4. We do the same for the SEARCH functionality on the CARS web page. We copy the code from HOME.HTML search functionality into CARS.HTML.

We replace this block with the search block from the HOME.HTML

New code:

5. Update the CARS\VIEWS.PY by copying the search code we did on our home page.

We copy what we did from the PAGES\VIEWS.PY for HOME.HTML search function.

from PAGES\VIEWS.PY

6. We complete the TOP SEARCH functionality

We remove unwanted fields like BRAND. Go to SEARCH.HTML and replace the name:

FROM:

TO:
7. We update the SEARCH function in the CARS\VIEWS.PY
8. Run the server.
Copyright © Personal Digital Notebooks By Rosilie Date Printed: Nov. 7, 2025, 5:12 a.m.