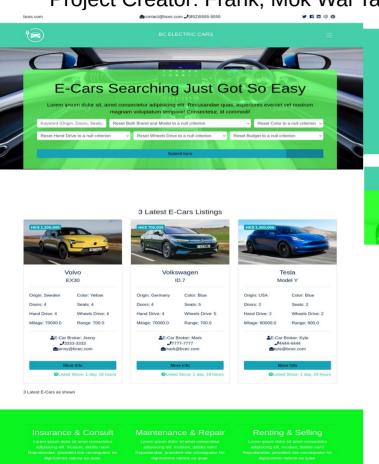
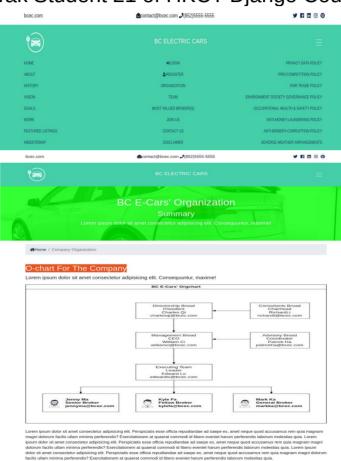
Summary: Building upon design of given bcre.com, bcec.com for web of e-cars improved searching, enchanced listing, enlightened navbar menu, incorporated a websitemap, and included some more inform pages. Project Creator: Frank, Mok Wai Tak Student 21 of HKCT Diango Course the Fifth Class 17-Oct-2024







Welcome You Onto The Site Board

## Limitations on Django

Web Application Framework itself not completely full-stacked with frontends of nondirect roundabout CRUDs, drillings thru' html forms' submit buttons back to an app's views functions in where they being carried out.

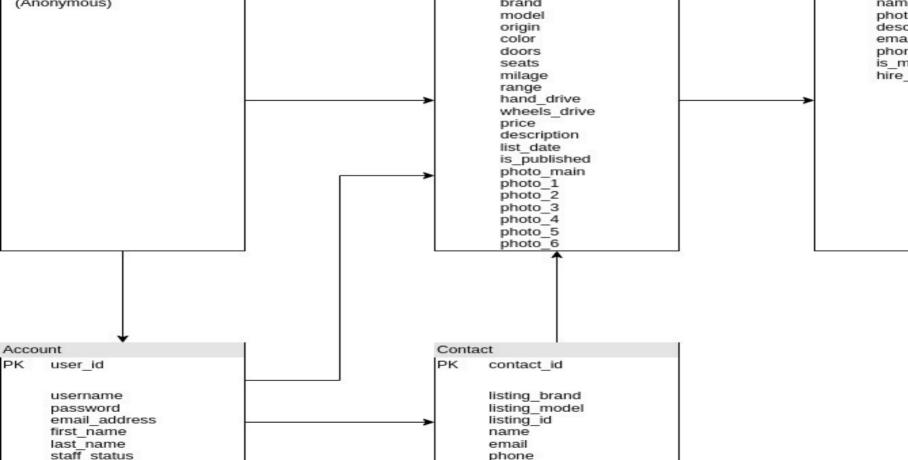
Does imply itself not strong on all kinds of applications.

# Analysis on bcre.com

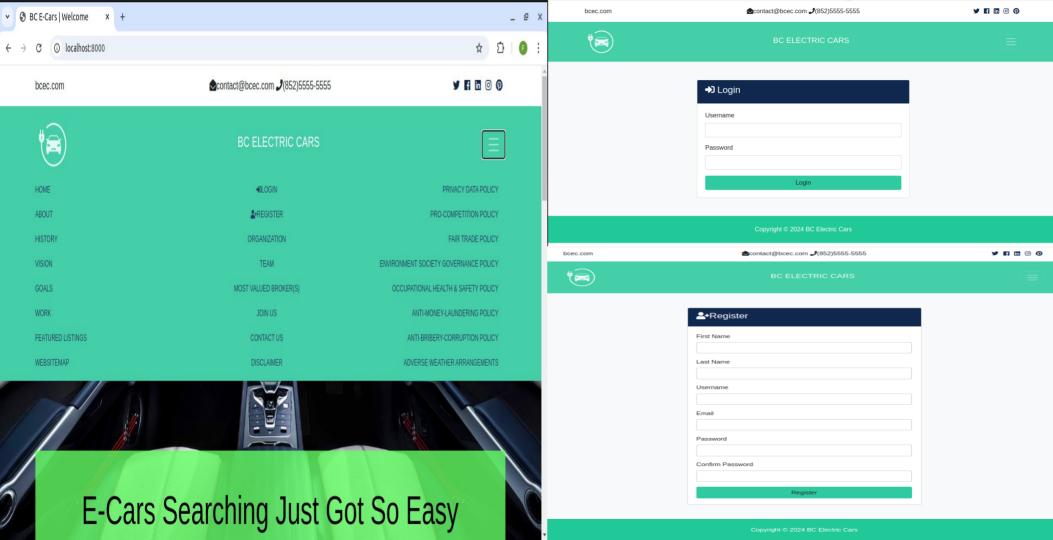
- Generic on products of very high price, very low volume mostly of uniqueness / singularity
- Instances for products like jewelry, artefacts, artworks, paintings, timepieces, real estates, vehicles (vessels, aircrafts), plant and instrumentation
- Transactions via top banks, good law firms offline c/w financial, insurantial and legal arrangements
- A promotionally informative system online

Different products, Different attributes Listina User PK PK listing id broker id FK1 Broker (Anonymous) brand name model photo description origin color email doors phone seats is mvp hire date milage range hand drive wheels drive price description list date is published photo main photo 1 photo 2 photo 3 photo 4 photo 5 photo 6

> message contact date user id



# Enriched NavBar-Left/Center/Right Cols



## Newly WebSiteMap: logged-in/out differ



Home About History Vision Goals Work Featured Listings Websitemap ♣Welcome frankmok (dashboard)

�-Logout

Organization

Team

Most Valued Broker(s)

Join Us

Privacy Data Policy
Pro-Competition Policy
Fair Trade Policy
Environment Society Governance Policy
Occupational Health & Safety Policy
Anti-Money-Laundering Policy
Anti-Bribery-Corruption Policy
Adverse Weather Arrangements

#### Welcome You Onto The Site Board

#### Copyright © 2024 BC Electric Cars

Home About History Vision Goals Work Featured Listings Websitemap →JLogin ♣+Register Organization Team Most Valued Broker(s) Join Us Contact Us

Disclaimer

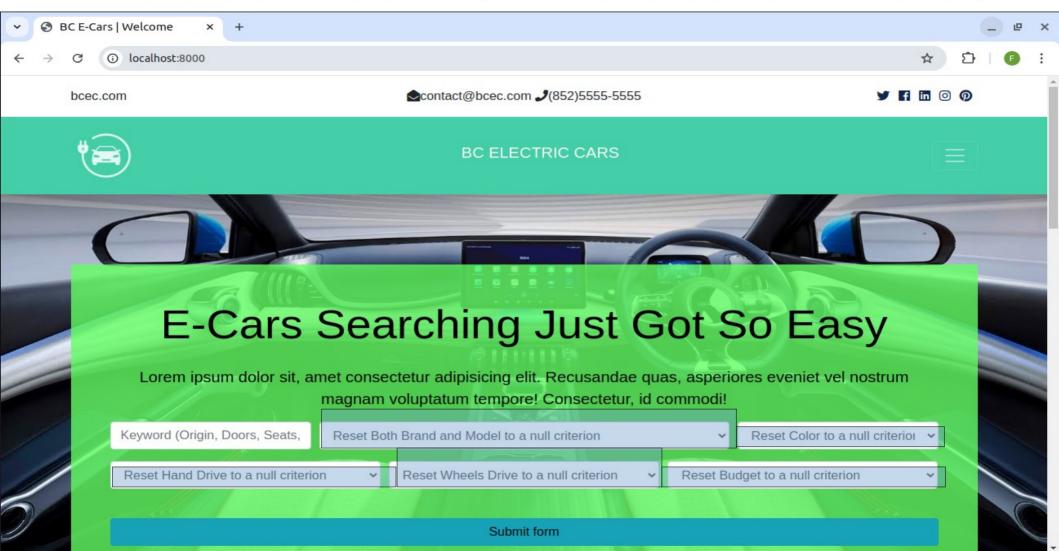
Contact Us

Disclaimer

Privacy Data Policy
Pro-Competition Policy
Fair Trade Policy
Environment Society Governance Policy
Occupational Health & Safety Policy
Anti-Money-Laundering Policy
Anti-Bribery-Corruption Policy
Adverse Weather Arrangements

Welcome You Onto The Site Board

## **Enabled Reset Some Search Fields**



# UX Design – Realisticity in Search

Some improvements on bcre website can be relied upon UX Design on the search boxes.

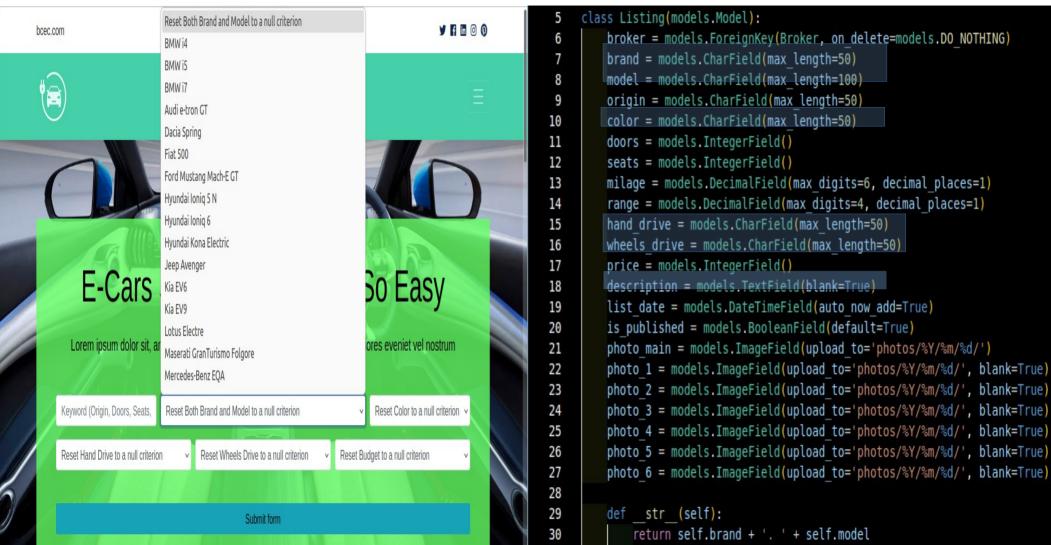
UX can be increased by offer of more realisticity senses to users in the options' choices.

Two things can be done on the search boxes:

- 1. combinations of search choices
  - 2. real search choices softcoded

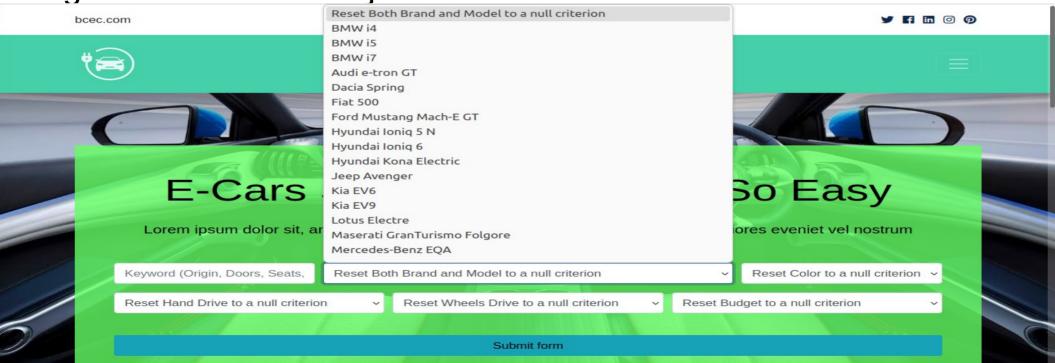
Let see the bcec website search box first: P.T.O.

# search boxes and search fields

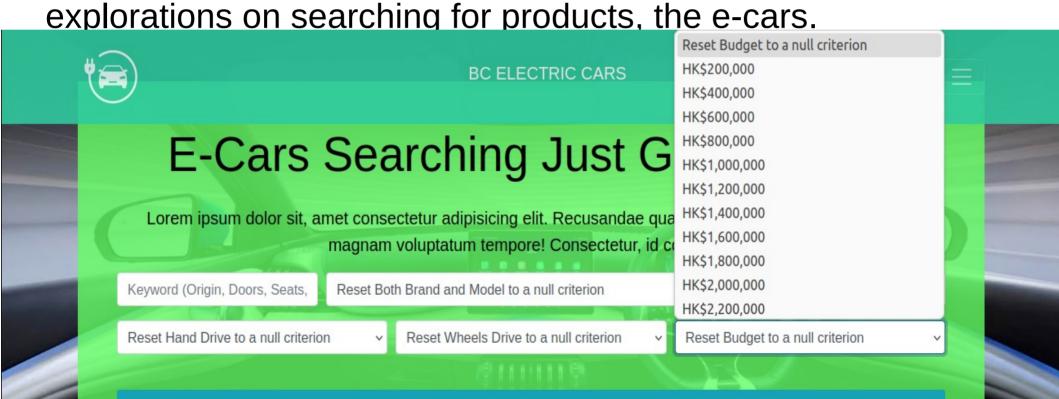


### Combinations of Search Choices / Combined Fields Searches

Some relatively major search choices in this case such as brand field and model field be combined to restrict from users' unrealistic nonexistent combinations e.g. M.Benz i5 to exclude possible confusions in selecting options to keep up their own rigorous sense of majorness.

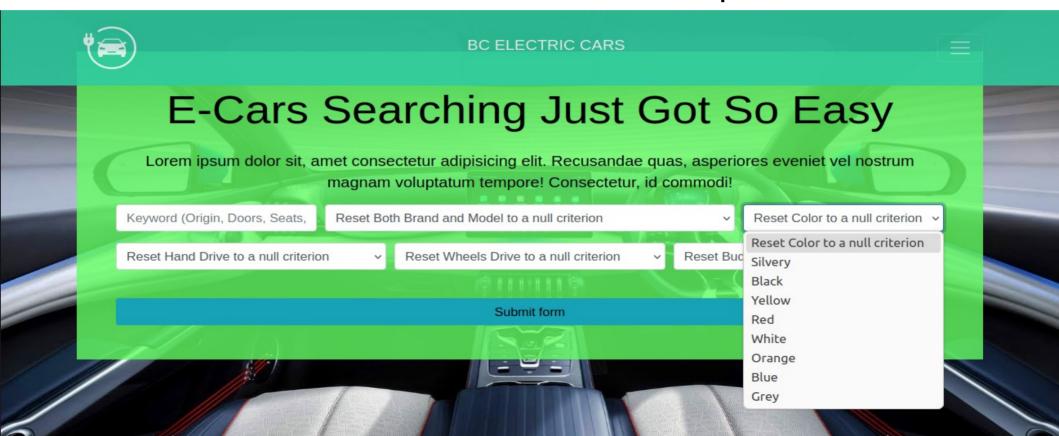


No Combinations of Search Choices / Individualized Field Searches
Other relatively minor search choices in this case such as color
field and budget field be individualized as of users' preferential
freedom allowing for negative unsuccessful combinations e.g.
below a budget not a color offered retaining users' joy in course of



### Field Searches' Real Choices

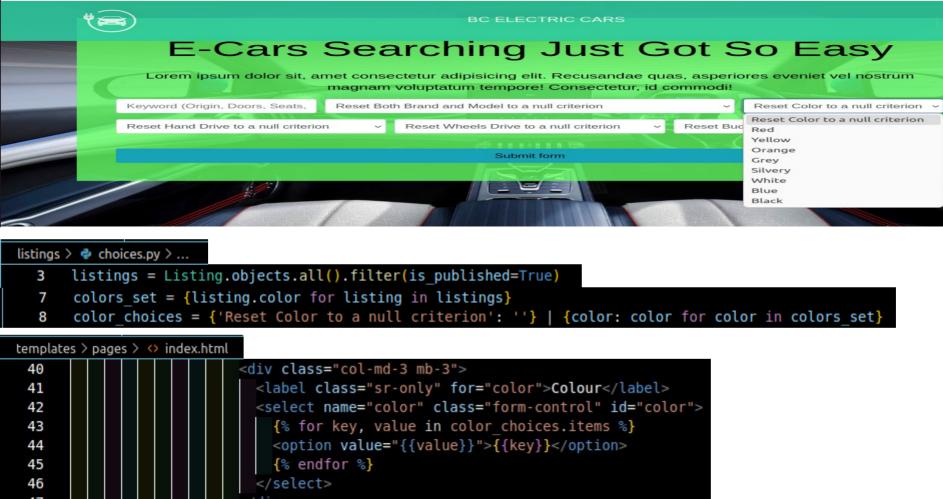
Field searches' real choices can be derived from database's data existent reflecting true options for potential customers, increasing informative values for users in selections of products the e-cars.



## How can we achieve?

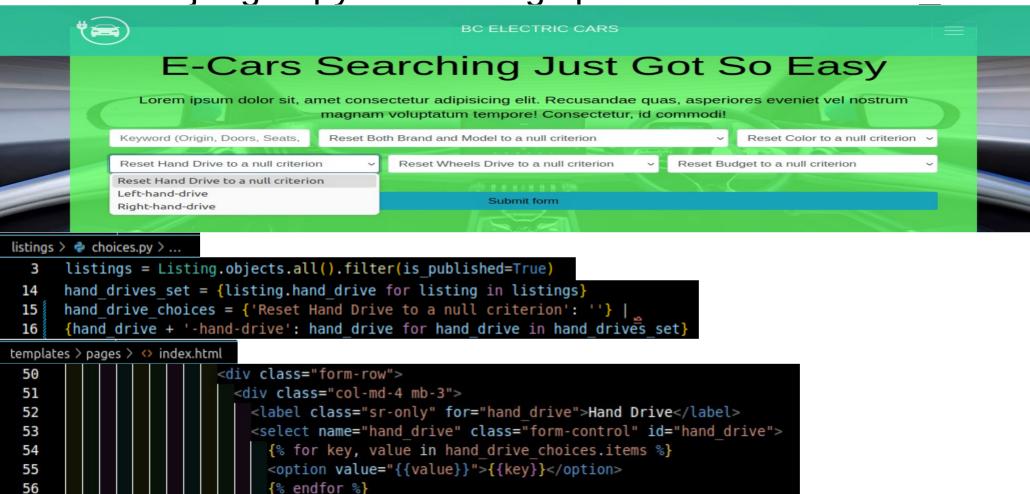
See my share of python / django coding tips, p.t.o.

to share django / python coding tips: search field color



1: set of colors from db 2:dictionary 3:add reset null to dict head 4:options, dynamic from db

#### to share django / python coding tips: search field hand drive



1: set of hand\_drives from db 2:dictionary 3:add reset null to dict head 4:options, dynamic from db

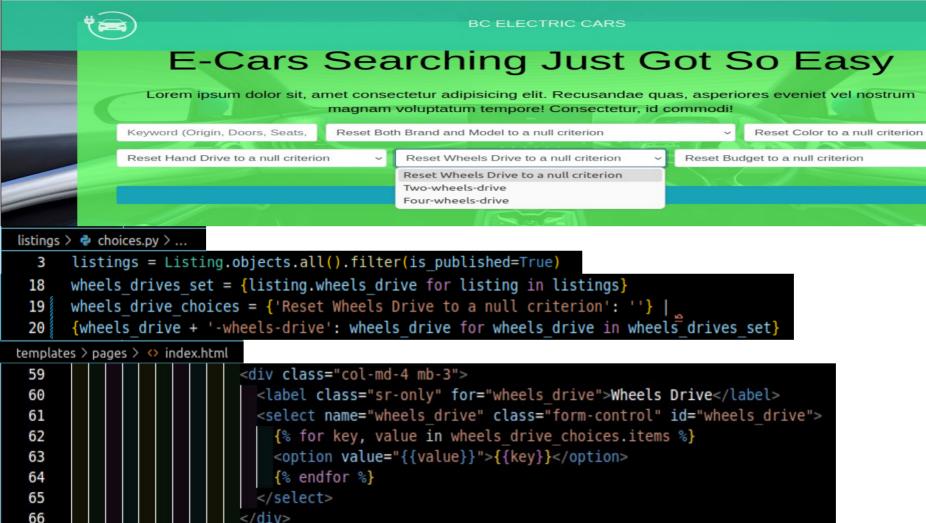
</select>

</div>

57

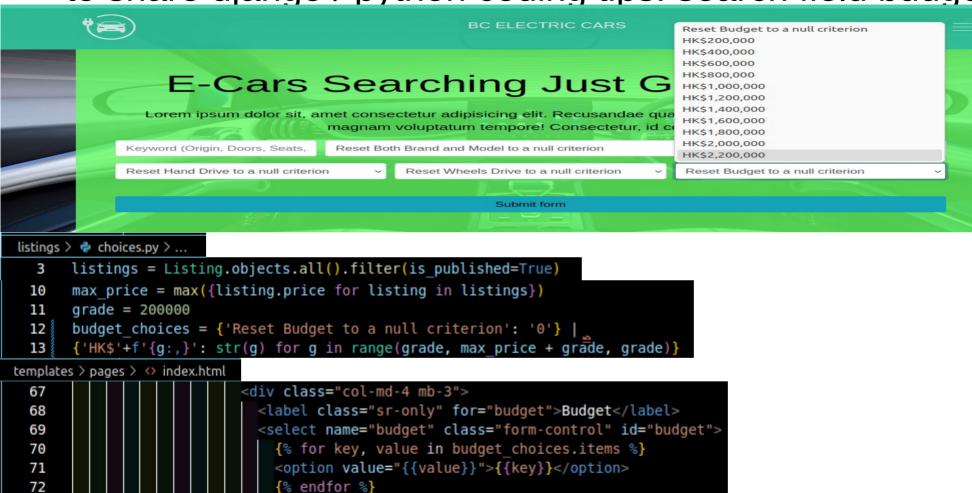
58

to share django / python coding tips: search field wheels drive



1: set of wheels\_drives from db 2:dictionary 3:add reset null to dict head 4:options, dynamic from db

#### to share django / python coding tips: search field budget

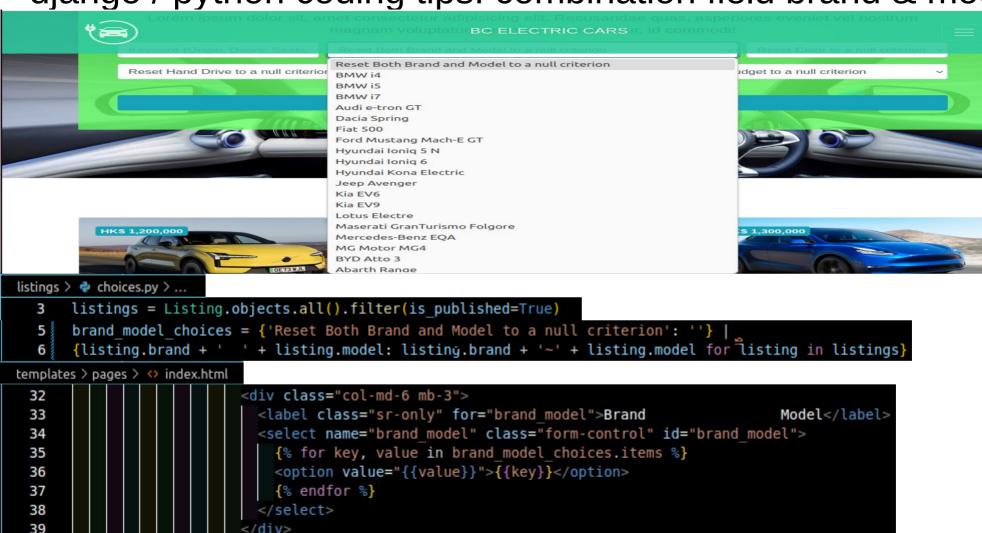


1: max of set of prices from db 2:grade 3: grades of range() 4: dictionary 3:add reset null to dict head 4:options, dynamic from db

</select>

73

#### django / python coding tips: combination field brand & model



1:dictionary of brand+' '+model : brand+'~'+model 2:add reset null to dict head 3:options, dynamic from db

#### django / python coding tips: the search code listings > 💠 views.py > 😭 search

```
35
     def search(request):
         queryset list = Listing.objects.order by('-list date').filter(is published=True)
36
         if 'keywords' in request.GET:
37
38
             keywords = request.GET['keywords']
             if keywords:
39
                 queryset list = queryset list.filter(description icontains=keywords)
40
         if 'brand model' in request.GET:
41
             brand model = request.GET['brand model']
42
             if brand model:
43
                 i = brand model.index('~')
44
45
                 queryset list = queryset list.filter(brand iexact=brand model[:i]).filter(model iexact=brand model[i+1:])
         if 'color' in request.GET:
46
             color = request.GET['color']
47
             if color:
48
                 queryset list = queryset list.filter(color iexact=color)
49
         if 'budget' in request.GET:
50
             budget = int(request.GET['budget'])
51
52
             if budget:
                 queryset list = queryset list.filter(price lte=budget)
53
         if 'hand drive' in request.GET:
54
             hand drive = request.GET['hand drive']
55
56
             if hand drive:
57
                 queryset list = queryset list.filter(hand drive iexact=hand drive)
         if 'wheels drive' in request.GET:
58
             wheels drive = request.GET['wheels drive']
59
60
             if wheels drive:
61
                 queryset list = queryset list.filter(wheels drive iexact=wheels drive)
1. quest for search field key in json 2. read in search field value in json 3. screen out null criterion search passing wholly
```

4.search non-null criterion 5.pass to repeat till all search fields 6.for brand & model: double searches / filters in succession

### <u>django / python coding tips: the websitemap code</u>

templates > pages > \lorentheta sitemap.html <div class="row"> <div class="col-md-4"> <div class="col-md-4"> {% if user.is authenticated %} 

```
50
                 <a href={% url "index" %}>Home</a>
                                                                      78
51
                                                                      79
                                                                                     <a href={% url "dashboard" %}><i class="fas fa-user"></i>Welcome {{user.username}} (dashboard)</a>
52
                                                                      80
53
                 <a href={% url "about" %}>About</a>
54
                                                                      81
55
                                                                      82
                                                                                      <a href="javascript: {document.getElementBvId('logout').submit()}">
56
                 <a href={% url "history" %}>History</a>
                                                                                       <i class="fas fa-sign-out-alt"></i>Logout</a>
                                                                      83
57
58
                                                                      84
                                                                                      <form action="{% url 'logout' %}" method="POST" id="logout">
59
                 <a href={% url "vision" %}>Vision</a>
                                                                      85
                                                                                      {% csrf token %}
60
                                                                      86
                                                                                       <input type="hidden" />
61
62
                 <a href={% url "goals" %}>Goals</a>
                                                                      87
                                                                                     </form>
63
                                                                      88
64
                                                                      89
                                                                                    {% else %}
                <a href={% url "work" %}>Work</a>
65
                                                                      90
66
67
                                                                      91
                                                                                     <a href={% url "login" %}><i class="fas fa-sign-in-alt"></i>Login
68
                  <a href={% url "listings" %}>Featured Listings</a>
                                                                      92
                93
70
71
                  <a href={% url "sitemap" %}>Websitemap</a>
                                                                      94
                                                                                     <a href={% url "register" %}><i class="fas fa-user-plus"></i>Register</a>
72
                                                                      95
73
                                                                                    {% endif %}
74
 97
                                                                               122
 98
                    <a href={% url "organization" %}>Organization</a>
                                                                               123
                                                                                                 <a href={% url "pcpolicy" %}>Pro-Competition Policy</a>
 99
                   124
                                                                                                100
                   <
                                                                               125
101
                    <a href={% url "team" %}>Team</a>
                                                                               126
                                                                                                 <a href={% url "ftpolicy" %}>Fair Trade Policy</a>
                   102
                                                                               127
                                                                                                103
                                                                               128
104
                    <a href={% url "mvb" %}>Most Valued Broker(s)</a>
                                                                               129
                                                                                                 <a href={% url "esgpolicy" %}>Environment Society Governance Policy
                   105
                                                                               130
106
                                                                               131
107
                    <a href={% url "joinus" %}>Join Us</a>
                                                                               132
                                                                                                 <a href={% url "ohspolicy" %}>0ccupational Health & Safety Policy</a>
108
                                                                               133
109
                                                                               134
                    <a href={% url "contactus" %}>Contact Us</a>
110
                                                                               135
                                                                                                 <a href={% url "amlpolicy" %}>Anti-Money-Laundering Policy</a>
111
                                                                               136
112
                                                                               137
113
                    <a href={% url "disclaimer" %}>Disclaimer</a>
                                                                               138
                                                                                                 <a href={% url "abcpolicy" %}>Anti-Bribery-Corruption Policy</a>
114
                                                                               139
                                                                                                115
                                                                               140
116
                                                                                                  <a href={% url "awarrange" %}>Adverse Weather Arrangements/a>
                                                                               141
117
            <div class="col-md-4">
                                                                               142
118
                 143
119
                     <a href={% url "pdpolicy" %}>Privacy Data Policy</a>
                                                                               144
120
                                                                               145
121
```

## Conclusion

Before conclusion, demo time of bece.com.

Finally, UX is an important niche of software design as ultimate users are human. It much increases the value of use, i.e. usability, of the software.

Thank you for your participation.

Thanksgiving to Wai Lung Sir.

Chance comes, meeting again.