



University
of Windsor

COMP 8347

Lab 9

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Group 6

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1 - Create views for user login and logout:

a. Edit views.py to add login and logout view:

[About Us](#)[Home](#)[Contact Us](#)[Vehicles](#)[Order Here](#)[Search](#)[Login](#)

Welcome to our online car store

Type of Cars

1. [Toyota](#)
2. [Nissan](#)
3. [Ford](#)
4. [Honda](#)
5. [Mercedes](#)
6. [Cadillac](#)

Session Count: 3

```
views.py x models.py x list_of_orders.html x cardetail.html x login_here.html x nosuccess_order.html x homepage.h
53 @login_required
54 def logout_here(request):
55     # Log the user out and redirect to the homepage
56     logout(request)
57     return HttpResponseRedirect(reverse('carapp:homepage'))
58
59
60 1 usage new *
61 @login_required
62 def list_of_orders(request):
63     # Check if the user is a buyer
64     # print("here")
65     user = request.user
66
67     if hasattr(user, 'buyer'):
68         # Get all orders placed by the user
69         orders = OrderVehicle.objects.filter(buyer=request.user)
70         # Render the list of orders template with the orders
71         print(orders)
72         return render(request, 'list_of_orders.html', {'orders': orders})
73     else:
74         # Return a message if the user is not a buyer
75         return render(request, 'list_of_orders.html', {'message': 'You are not registered'})
```

b. Login_here.html:

```
html
views.py × models.py × list_of_orders.html × cardetail.html × login_here.html × nosuccess_ord

{% extends 'base.html' %}

{% block body_block %}
    <h2>Login</h2>
    <form method="post">
        {% csrf_token %}
        <label for="username">Username:</label>
        <input type="text" id="username" name="username"><br><br>
        <label for="password">Password:</label>
        <input type="password" id="password" name="password"><br><br>
        <button type="submit">Login</button>
    </form>
{% endblock %}
```

c. Urls.py:

```
path('login/', login_here, name='login_here'),
path('logout/', logout_here, name='logout_here'),
```

2 - Create myorders view:

```
views.py x CarUrls.py <> list_of_orders.html
99 # Log the user out and redirect to the homepage
100 logout(request)
101 return HttpResponseRedirect(reverse('homepage'))
102
4 usages
103 @login_required
104 def list_of_orders(request):
105     # Check if the user is a buyer
106     if request.user.groups.filter(name='Buyers').exists():
107         # Get all orders placed by the user
108         orders = OrderVehicle.objects.filter(buyer=request.user)
109         # Render the list of orders template with the orders
110 <> return render(request, 'carapp/list_of_orders.html', {'orders': orders})
111 else:|
112     # Return a message if the user is not a buyer
113 <> return render(request, 'carapp/list_of_orders.html', {'message': 'You are not registered'})
114
115
```

- a) If the user is one of the buyers, return all the orders that have been placed by the user.

About Us Home Contact Us Vehicles Order Here Search Your Orders Logout

Welcome to our online car store

Welcome, Jaskaran!

Orders placed by Jaskaran

- Order 20 by Jaskaran for RAV4
- Order 21 by Jaskaran for Escape Sel

- b) Otherwise, display a message: 'You are not registered'.

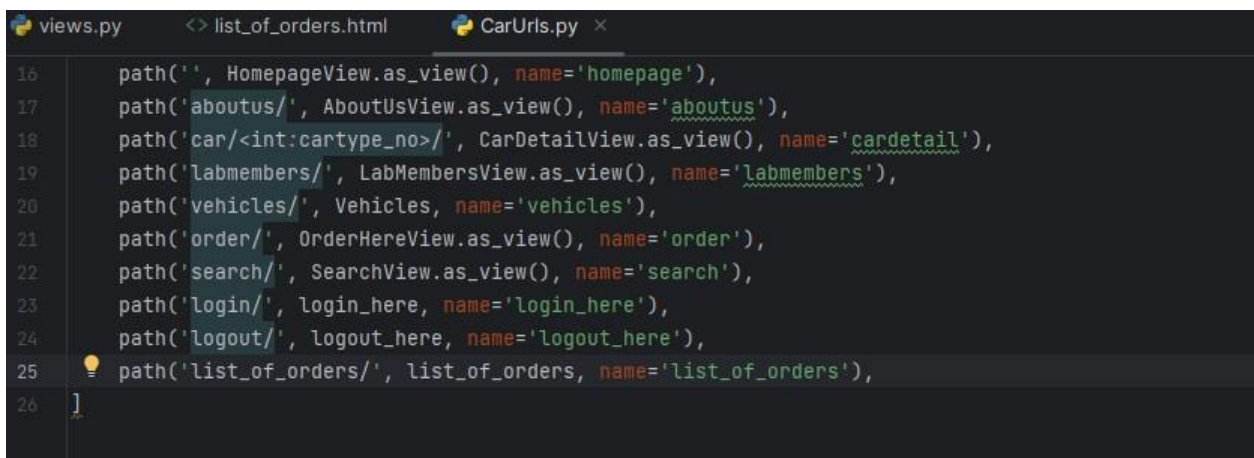
[About Us](#)[Home](#)[Contact Us](#)[Vehicles](#)[Order Here](#)[Search](#)[Your Orders](#)[Logout](#)

Welcome to our online car store

Welcome, jaskaransingh!

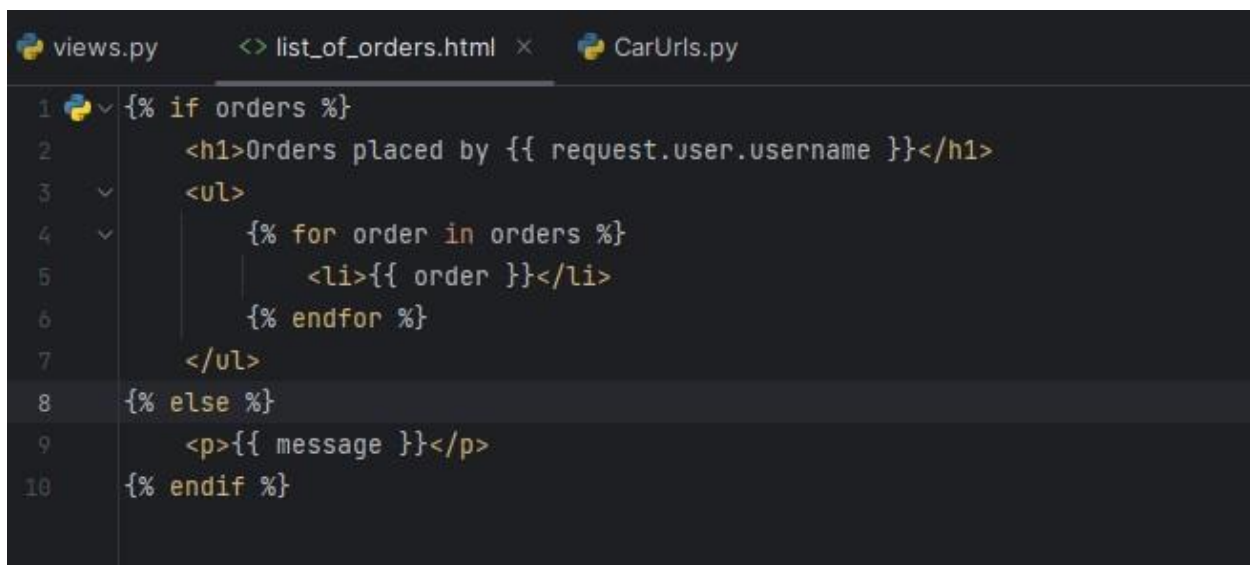
You are not registered

c) Update carapp/urls.py appropriately.



```
views.py  list_of_orders.html  CarUrls.py x
16 path('', HomepageView.as_view(), name='homepage'),
17 path('aboutus/', AboutUsView.as_view(), name='aboutus'),
18 path('car/<int:cartype_no>', CarDetailView.as_view(), name='cardetail'),
19 path('labmembers/', LabMembersView.as_view(), name='labmembers'),
20 path('vehicles/', Vehicles, name='vehicles'),
21 path('order/', OrderHereView.as_view(), name='order'),
22 path('search/', SearchView.as_view(), name='search'),
23 path('login/', login_here, name='login_here'),
24 path('logout/', logout_here, name='logout_here'),
25 path('list_of_orders/', list_of_orders, name='list_of_orders'),
26 ]
```

d) Create list_of_orders.html to display the orders that have been placed by the user or a suitable message if the user has not placed any orders.



```
views.py  list_of_orders.html x  CarUrls.py
1 {% if orders %}
2     <h1>Orders placed by {{ request.user.username }}</h1>
3     <ul>
4         {% for order in orders %}
5             <li>{{ order }}</li>
6         {% endfor %}
7     </ul>
8 {% else %}
9     <p>{{ message }}</p>
10 {% endif %}
```

3. Working with Sessions and Cookies

- a.) Count the number of sessions for any of your pages (ex. Homepage, Aboutus page and so on. Each a time a user refreshes the page, the session number gets incremented.

```
views.py  x  <> homepage.html  <> list_of_orders.html  CarUrls.py

119 def get(self, request):
120     # cartype_list = Vehicle.objects.order_by('-car_price')[:10]
121     # heading1 = '<p>' + 'Different Types of Cars:' + '</p>'
122     # cartype_html = [f'<p> Car Type = {cartype} and price = {cartype.car_price}</p>' for cartype in cartype_list]
123     # response_html = ''.join(cartype_html)
124     # return HttpResponse(heading1 + response_html)
125     cartype_list = CarType.objects.all().order_by('id')
126     # Pass the cartype_list variable as context to the 'homepage.html' template
127     session_count = request.session.get('session_count', 0)
128     session_count += 1
129     request.session['session_count'] = session_count
130 <> return render(request, 'carapp/homepage.html', {'cartype_list': cartype_list, 'session_count': session_count})
131

HomepageView  > get()  > 'session_count'
```

```
views.py  <> homepage.html  x  <> list_of_orders.html  CarUrls.py

1 {% extends 'carapp/base.html' %}
2 {% block body_block %}
3     {% if cartype_list %}
4         <h2> Type of Cars </h2>
5         <ol>
6             {% for cartype in cartype_list %}
7                 <li><p><a href="{% url 'cardetail' cartype.id %}">{{ cartype.name }}</a></p><
8             {% endfor %}
9         <p>Session Count: {{session_count}}</p>
10        </ol>
11        {% else %}
12        <strong> None of the car types is available! </strong>
13        {% endif %}
14    {% endif %}
15{% endblock %}
```

[About Us](#)[Home](#)[Contact Us](#)[Vehicles](#)[Order Here](#)[Search](#)[Login](#)

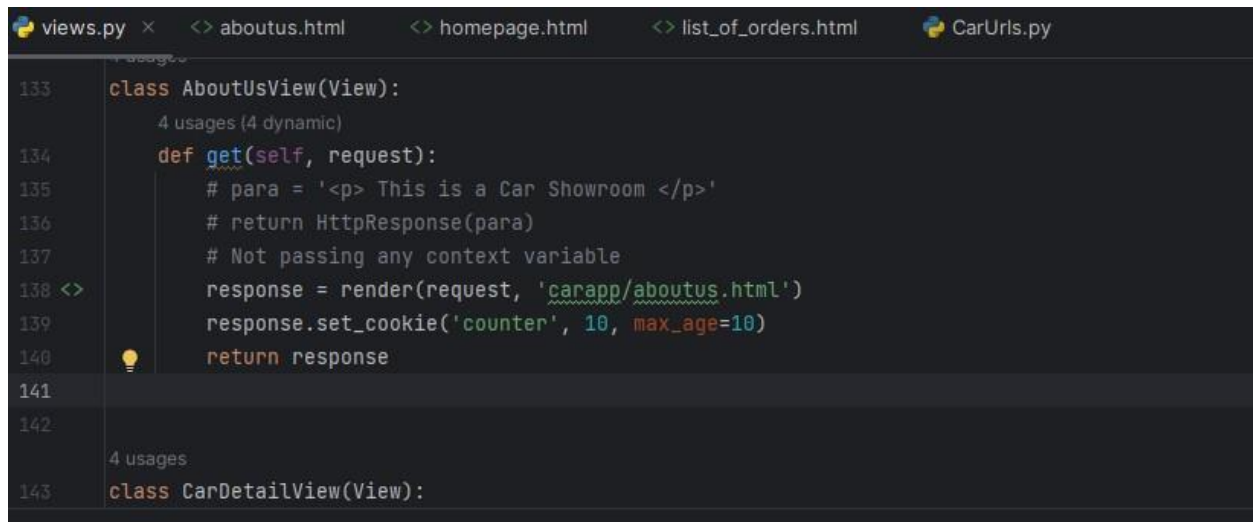
Welcome to our online car store

Type of Cars

1. [Toyota](#)
2. [Nissan](#)
3. [Ford](#)
4. [Honda](#)
5. [Mercedes](#)
6. [Cadillac](#)

Session Count: 3

b.) Set the cookies for any of your pages (ex. Homepage, Aboutus page and so on). You can set any value for the cookie counter (ex. 10 seconds).



```
views.py x  <> aboutus.html  <> homepage.html  <> list_of_orders.html  CarUrls.py

133 class AboutUsView(View):
134     4 usages (4 dynamic)
135     def get(self, request):
136         # para = '<p> This is a Car Showroom </p>'
137         # return HttpResponseRedirect(para)
138         # Not passing any context variable
139         response = render(request, 'carapp/aboutus.html')
140         response.set_cookie('counter', 10, max_age=10)
141         return response
142
143     4 usages
144 class CarDetailView(View):
```


Vehicles

Order Here

Search

Your Orders

Logout

Welcome to our online car store

Welcome, Jaskaran!

Type of Cars

Application

- Manifest
- Service Workers
- Storage

Storage

- Local Storage
- Session Storage
- IndexedDB
- Web SQL
- Cookies
 - http://127.0.0.1:8000
- Private State Tokens
- Interest Groups
- Shared Storage
- Cache Storage

Background Services

- Back/forward cache
- Background Fetch
- Background Sync
- Notifications
- Payment Handler

Name	Value	D.	P.	E.	S.	H.	S.	S.	P.	P.
sessionid	llp9ia4...	1..	/	2..	4..	✓			L..	M.
counter	10	1..	/	2..	9				L..	M.
csrftoken	xJvd5n...	1..	/	2..	4..				L..	M.

Select a cookie to preview its value