



# **COMP 8347**

# Internet Applications and Distributed Systems

Lab 8

Submitted to:

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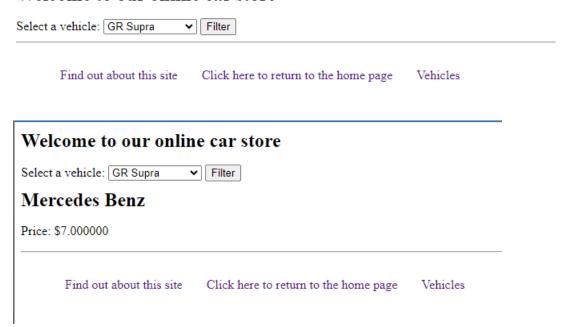
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## Part 1: Create a Vehicle Search Page:

UI:

#### Welcome to our online car store



## Views.py:

```
dusages
class SearchView(View):
    1usage(1 dynamic)

def get(self, request):
    vehicles = Vehicle.objects.all()
    return render(request, 'carapp/search.html', {'vehicles': vehicles})

def post(self, request):
    vehicles = Vehicle.objects.all()
    selected_vehicle_id = request.POST.get('selected_vehicle')
    selected_vehicle = get_object_or_404(Vehicle, pk=selected_vehicle_id)
    return render(request, 'carapp/search.html', {'vehicles': vehicles_c'selected_vehicle': selected_vehicle})
```



#### Html:

```
{% extends 'carapp/base.html' %}
{% block body_block %}
 <form method="post" action="{% url 'search' %}">
    {% csrf_token %}
    <label for="selected_vehicle">Select a vehicle:</label>
    <select name="selected_vehicle" id="selected_vehicle">
        {% for vehicle in vehicles %}
            <option value="{{ vehicle.id }}">{{ vehicle.car_name }}</option>
        {% endfor %}
    </select>
    <button type="submit">Filter</putton>
    </form>
    {% if selected_vehicle %}
       <h1>{{ selected_vehicle.car_name }}</h1>
       Price: ${{ selected_vehicle.car_price }}
    {% endif %}
{% endblock %}
```

#### Url:

```
path('search/', SearchView.as_view(), name='search'),
```



## Part 2: Update orderhere view:

A: Edit your views.py file:



# Welcome to our online car store

# Place your order here

You can place your order here.		
Vehicle:		
Buyer:		
Number of Vehicles Ordered:		
Order		
Available Vehicles		
• GR Supra 10 • GR 86 9 • GR Corolla 10 • GR 86 10 • McLaren 10 • CLK GTR 10 • Mercedes Benz 10 • AMG 10 • Galardo 10 • Murcielago 10 • Aventador 10 • Veneno 0		
Find out about this site	Click here to return to the home page	Vehicles



## B: Create the template orderhere.html

#### Orderhere.html

```
{% extends 'carapp/base.html' %}
{% block body_block %}
 <h1>Place your order here</h1>
 You can place your order here.
   <form method="post" action="{% url 'order' %}">
   {% csrf_token %}
   {{ form.as_p }}
   <button type="submit">Order</button>
   </form>
   {% if msg %}
       {{ msg }}
   {% endif %}
   <h2>Available Vehicles</h2>
       {% for vehicle in vehiclelist %}
          <a href="{% url 'cardetail' vehicle.id %}">{{ vehicle.car_name }}</a>
       {% endfor %}
   {% endblock %}
```

## Place your order here

You can place your order here.

Vehicle: GR 86

Buyer: mark\_johnson 

Number of Vehicles Ordered: 1

Order

Your order has been placed successfully.



Nosuccess\_order.html:

```
rms.py × deficites.html × deficites.html × definition or rms.py × de
```

## Welcome to our online car store

We do not have sufficient stock to fulfill your order.

## C: Update instock field:

```
if order.quantity <= order.vehicle.inventory:
    order.vehicle.inventory -= order.quantity
    order.vehicle.save()
    order.status = 1
    order.save()
    msg = 'Your order has been placed successfully.'</pre>
```

## D: Update vehicles.html to add namespace url for orderhere page:

```
ms.py × wehicles.html × inosuccess_order.html × inosuc
```