



University of Windsor

COMP 8347

Internet Applications and Distributed Systems

Lab 8

Submitted to:

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Part 1: Create a Vehicle Search Page:

UI:

Welcome to our online car store

Select a vehicle:

[Find out about this site](#) [Click here to return to the home page](#) [Vehicles](#)

Welcome to our online car store

Select a vehicle:

Mercedes Benz

Price: \$7.000000

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Views.py:

```
4 usages
class SearchView(View):
    1 usage (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, '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</button>
</form>

    {% if selected_vehicle %}
        <h1>{{ selected_vehicle.car_name }}</h1>
        <p>Price: ${{ selected_vehicle.car_price }}</p>
    {% endif %}
{% endblock %}
```

Url:

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

Part 2: Update orderhere view:

A: Edit your views.py file:

```
class OrderHereView(View):
    1 usage (1 dynamic)
    def get(self, request):
        msg = ''
        vehiclelist = Vehicle.objects.all()
        form = OrderVehicleForm()
        return render(request, 'carapp/orderhere.html', {'form': form, 'msg': msg, 'vehiclelist': vehiclelist})

    def post(self, request):
        msg = ''
        vehiclelist = Vehicle.objects.all()
        form = OrderVehicleForm(request.POST)
        if form.is_valid():
            order = form.save(commit=False)
            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.'
            else:
                msg = 'We do not have sufficient stock to fulfill your order.'
                return render(request, 'carapp/nosuccess_order.html', {'msg': msg})
        else:
            msg = 'There was an error with your order. Please try again.'

    return render(request, 'carapp/orderhere.html', {'form': form, 'msg': msg, 'vehiclelist': vehiclelist})
```



Welcome to our online car store

Place your order here

You can place your order here.

Vehicle:

Buyer:

Number of Vehicles Ordered:

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](#)

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[Vehicles](#)

B: Create the template orderhere.html

Orderhere.html

```
{% extends 'carapp/base.html' %}

{% block body_block %}
<h1>Place your order here</h1>
<p>You can place your order here.</p>
<form method="post" action="{% url 'order' %}">
  {% csrf_token %}
  {{ form.as_p }}
  <button type="submit">Order</button>
</form>

{% if msg %}
  <p>{{ msg }}</p>
{% endif %}

<h2>Available Vehicles</h2>

<ul>
  {% for vehicle in vehiclelist %}
    <li><a href="{% url 'cardetail' vehicle.id %}">{{ vehicle.car_name }}</a></li>
  {% endfor %}
</ul>

{% endblock %}
```

Place your order here

You can place your order here.

Vehicle:

Buyer:

Number of Vehicles Ordered:

Your order has been placed successfully.

Nosuccess_order.html:

```

rms.py × vehicles.html × orderhere.html × nosuccess_order.html ×
{% extends 'carapp/base.html' %}

{% block body_block %}
    {% if msg %}
        <p>{{ msg }}</p>
    {% endif %}
{% endblock %}

```

Welcome to our online car store

We do not have sufficient stock to fulfill your order.

[Find out about this site](#) [Click here to return to the home page](#) [Vehicles](#)

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.'
else:

```

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

```

ms.py × vehicles.html × orderhere.html × nosuccess_order.html × views
{% extends 'carapp/base.html' %}

{% block body_block %}
    <h1>Vehicles</h1>
    <ul>
        {% for car in cars %}
            <li>{{ car.car_name }} - ${{ car.car_price }}</li>
        {% endfor %}
    </ul>
    <p><a href="{% url 'order' %}">Place a new order</a></p>
{% endblock %}

```