



University of Windsor

COMP 8347

Internet Applications and Distributed Systems

Lab 6

Submitted to:

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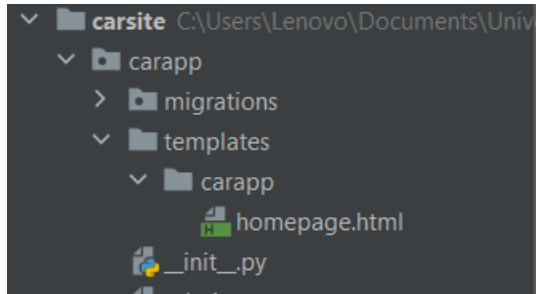
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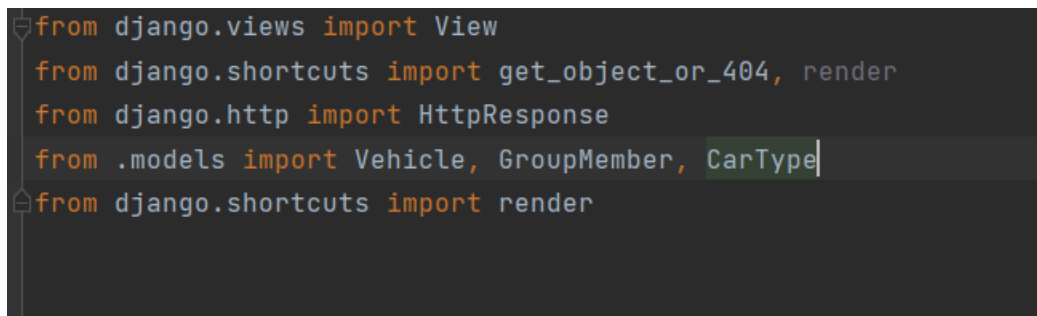
Part 1:

A:



B:

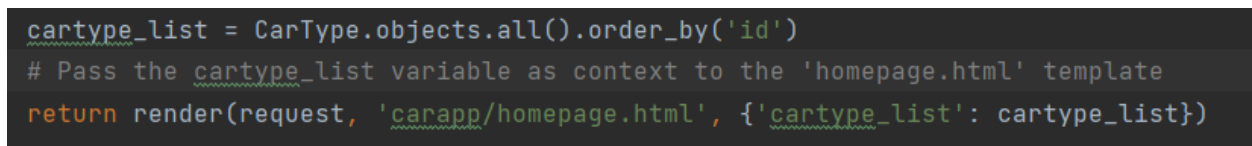
I:



II:



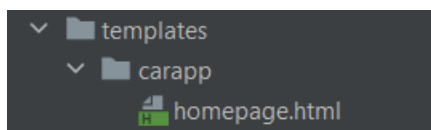
III:



Yes, in the homepage view, we are passing an extra context variable named cartype_list to the template.

C:

I:



II:

```
carUrls.py x urls.py x views.py x homepage.html x
<!DOCTYPE html>
<html>
  <head lang="en">
    <meta charset="UTF-8">
    <title> Car Site </title>
  </head>
  <body>
    {% if cartype_list %}
    <h2> Type of Cars </h2>
    <ol>
      {% for cartype in cartype_list %}
      <li> {{ cartype.name}} </li>
      {% endfor %}
    </ol>
    {% else %}
    <strong> None of the car types is available! </strong>
    {% endif %}
  </body>
</html>
```

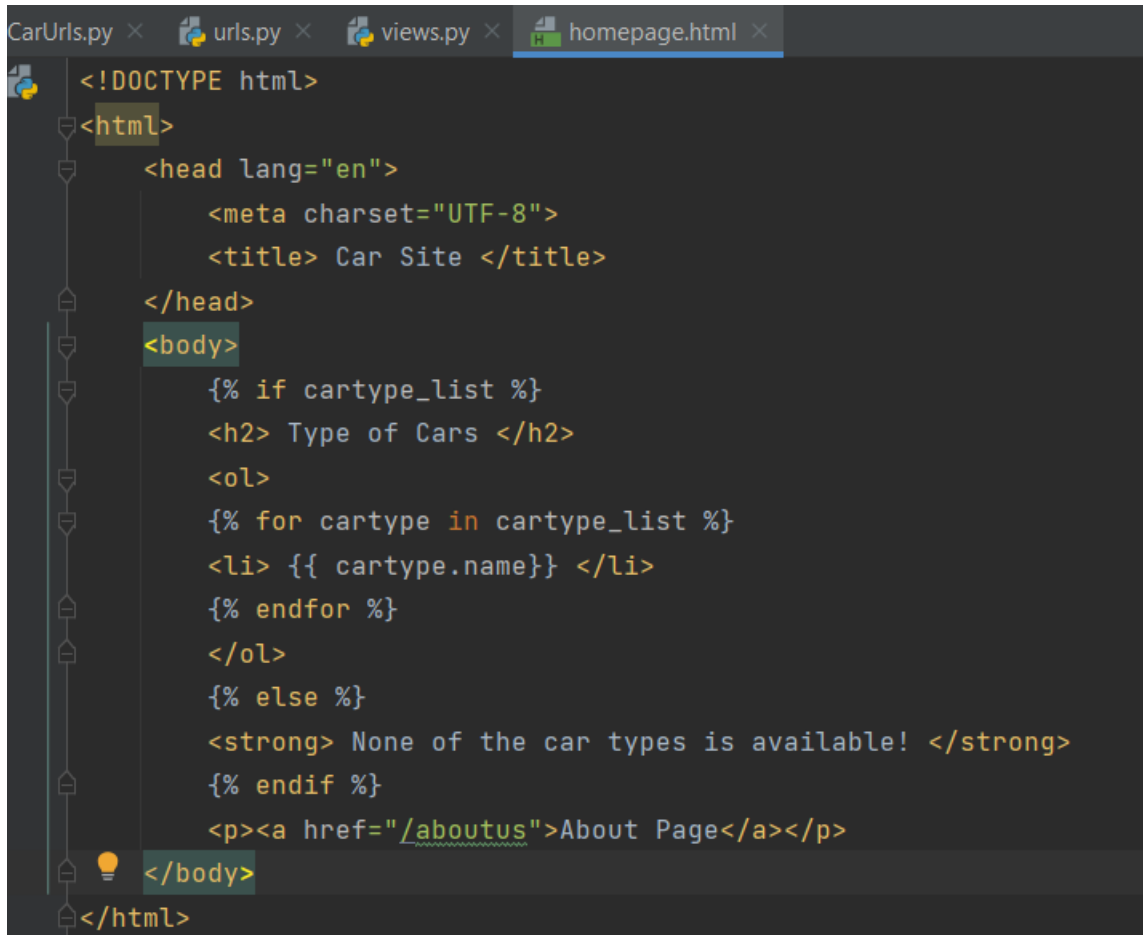
III:



Type of Cars

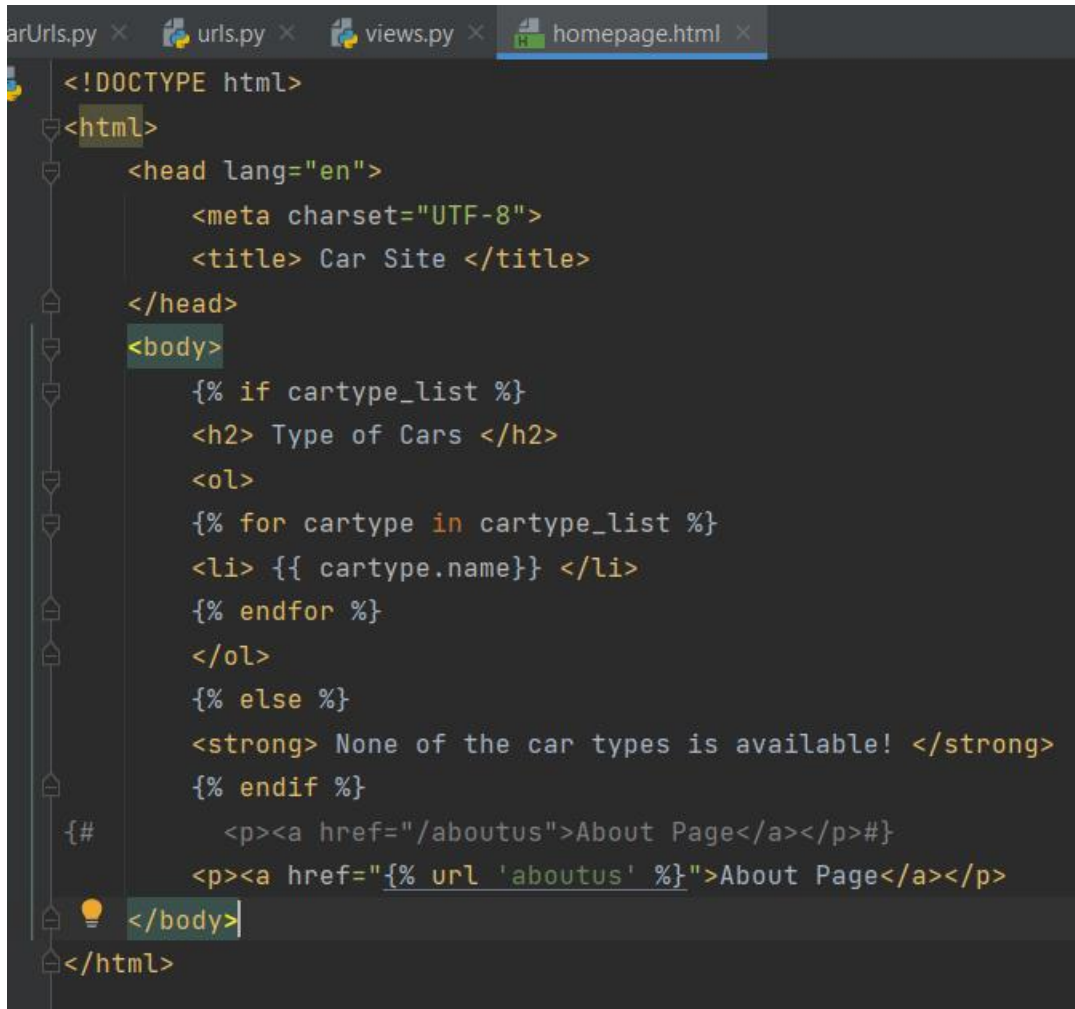
1. Toyota
2. Mercedes
3. Lamborghini

IV:



```
<!DOCTYPE html>
<html>
  <head lang="en">
    <meta charset="UTF-8">
    <title> Car Site </title>
  </head>
  <body>
    {% if cartype_list %}
    <h2> Type of Cars </h2>
    <ol>
    {% for cartype in cartype_list %}
    <li> {{ cartype.name}} </li>
    {% endfor %}
    </ol>
    {% else %}
    <strong> None of the car types is available! </strong>
    {% endif %}
    <p><a href="/aboutus">About Page</a></p>
  </body>
</html>
```

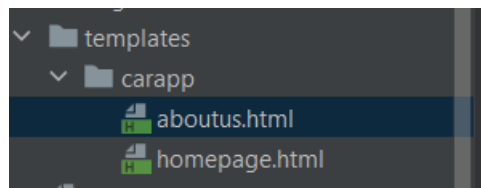
V:



```
<!DOCTYPE html>
<html>
  <head lang="en">
    <meta charset="UTF-8">
    <title> Car Site </title>
  </head>
  <body>
    {% if cartype_list %}
    <h2> Type of Cars </h2>
    <ol>
    {% for cartype in cartype_list %}
    <li> {{ cartype.name }} </li>
    {% endfor %}
    </ol>
    {% else %}
    <strong> None of the car types is available! </strong>
    {% endif %}
    {#
    <p><a href="/aboutus">About Page</a></p>#}
    <p><a href="{% url 'aboutus' %}">About Page</a></p>
  </body>
</html>
```

D:

I:



```

CarUrls.py x urls.py x views.py x homepage.html x aboutus.html x
1 <!DOCTYPE html>
2 <html>
3   <head lang="en">
4     <meta charset="UTF-8">
5     <title> Car Site </title>
6   </head>
7   <body>
8     <h1>About Us</h1>
9     <p>This is a Car Showroom</p>
10    <p><a href="{% url 'homepage' %}">Go back to home page (using namespacing)</a></p>
11    <p><a href="/">Go back to home page (using hardcoded URL)</a></p>
12  </body>
13 </html>
14

```

II:

```

class AboutUsView(View):
    def get(self, request):
        # para = '<p> This is a Car Showroom </p>'
        # return HttpResponse(para)
        return render(request, 'carapp/aboutus.html')

```

III:

For static page there's no need to pass any context variable.

IV:

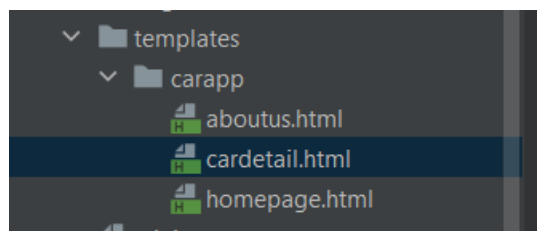
```

class AboutUsView(View):
    def get(self, request):
        # para = '<p> This is a Car Showroom </p>'
        # return HttpResponse(para)
        # Not passing any context variable
        return render(request, 'carapp/aboutus.html')

```

E:

I:



II:

```

Urls.py x  urls.py x  views.py x  cardetail.html x
<!DOCTYPE html>
<html>
  <head lang="en">
    <meta charset="UTF-8">
    <title> Car Site </title>
  </head>
  <body>
    <h1>Car Type Details</h1>
    <p>Following are the Vehicles in {{ car_type.name }} with Cartype No {{ car_type.id }}:</p>
    <ul>
      {% for vehicle in vehicle_list %}
        <li>{{ vehicle.car_name }}</li>
      {% empty %}
        <li>No vehicles found.</li>
      {% endfor %}
    </ul>
    <p><a href="{% url 'homepage' %}">Go back to home page using namespacing</a></p>
  </body>
</html>

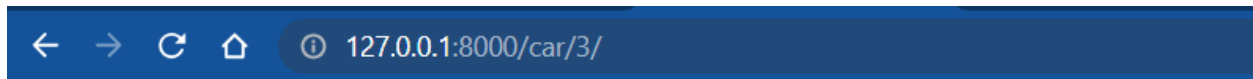
```

III:

```

s.py x  urls.py x  views.py x  cardetail.html x
4 usages
class CarDetailView(View):
  def get(self, request, cartype_no):
    car_type = get_object_or_404(CarType, id=cartype_no)
    vehicle_list = car_type.vehicles.all()
    return render(request, 'carapp/cardetail.html', {'car_type': car_type, 'vehicle_list': vehicle_list})
4 usages

```

Car Type Details

Following are the Vehicles in Lamborghini with Cartype No 3:

- Galardo
- Murcielago
- Aventador
- Veneno

[Go back to home page using namespacing](#)



Type of Cars

1. [Toyota](#)
2. [Mercedes](#)
3. [Lamborghini](#)

[About Page](#)

IV:

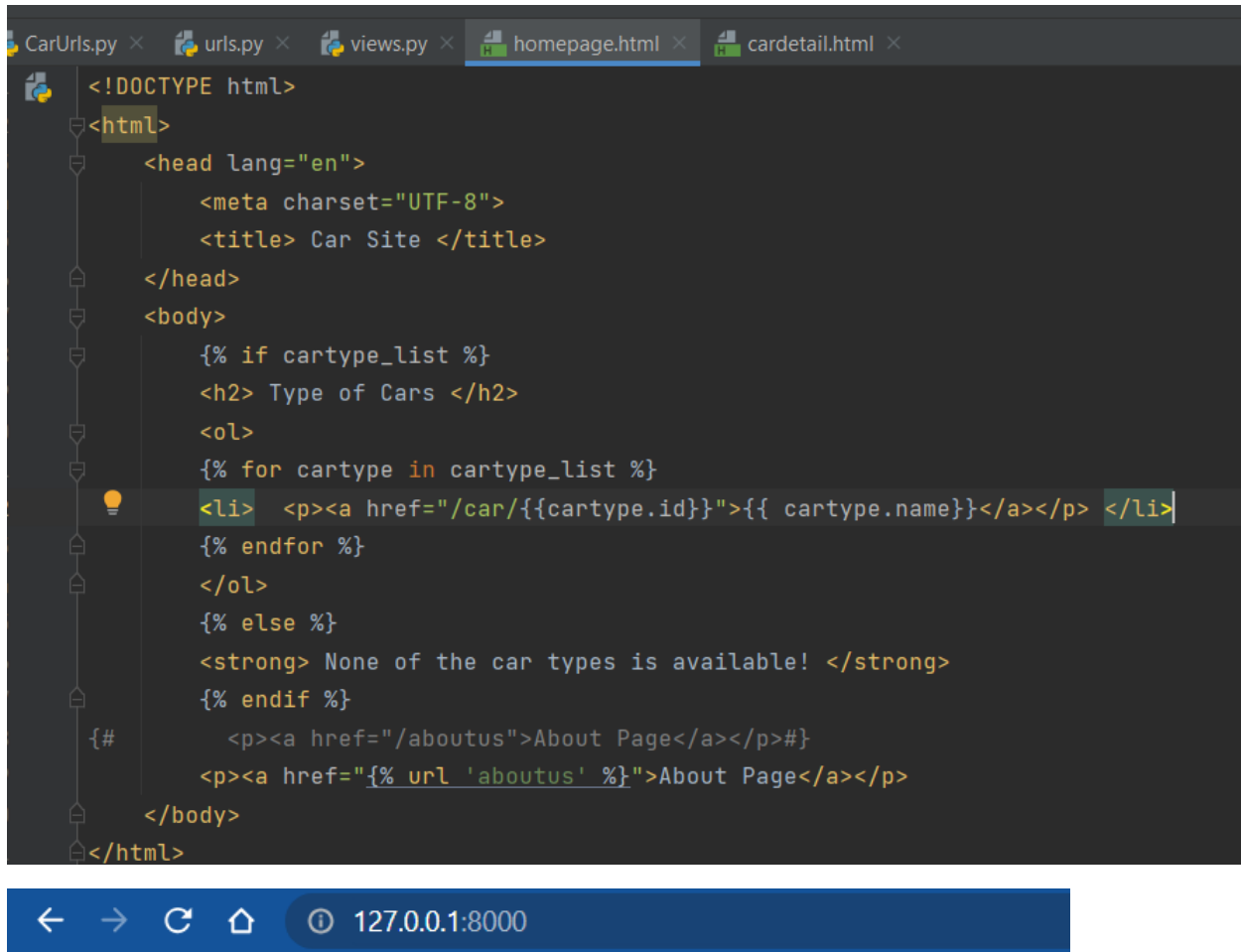
Yes, we need to pass context variables.

V:

```
# return httpresponse(heading1 + para)
car_type = get_object_or_404(CarType, id=cartype_no)
vehicle_list = car_type.vehicles.all()
# Passing car_type and vehicle_list as context variables to the template
return render(request, 'carapp/cardetail.html', {'car_type': car_type, 'vehicle_list': vehicle_list})
```

Passing car_type and vehicle_list as context variables to the template

F:



```
<!DOCTYPE html>
<html>
  <head lang="en">
    <meta charset="UTF-8">
    <title> Car Site </title>
  </head>
  <body>
    {% if cartype_list %}
    <h2> Type of Cars </h2>
    <ol>
    {% for cartype in cartype_list %}
    <li> <p><a href="/car/{{cartype.id}}">{{ cartype.name}}</a></p> </li>
    {% endfor %}
    </ol>
    {% else %}
    <strong> None of the car types is available! </strong>
    {% endif %}
    {#
    <p><a href="/aboutus">About Page</a></p>#}
    <p><a href="{% url 'aboutus' %}">About Page</a></p>
  </body>
</html>
```

Type of Cars

1. [Toyota](#)
2. [Mercedes](#)
3. [Lamborghini](#)

[About Page](#)

G:

```
arUrls.py × urls.py × views.py × team.html × homepage.html × cardetail.html ×
<!DOCTYPE html>
<html>
<head>
  <title>Lab Members</title>
  <style>
    h1{
      text-align: center;
    }
    table {
      border-collapse: collapse;
      width: 100%;
    }
    th, td {
      text-align: center;
      padding: 8px;
      border: 1px solid black;
    }
    th {
      background-color: gray;
      color: white;
    }
  </style>
</head>
<body>
  <h1>Lab Members</h1>
  <table>
    <thead>
      <tr>
```

```

arUrls.py x urls.py x views.py x team.html x homepage.html x cardetail.html x
</style>
</head>
<body>
  <h1>Lab Members</h1>
  <table>
    <thead>
      <tr>
        <th>Name</th>
        <th>Semester</th>
        <th>Personal Page</th>
      </tr>
    </thead>
    <tbody>
      {% for member in members %}
        <tr>
          <td>{{ member.first_name }} {{ member.last_name }}</td>
          <td>{{ member.semester }}</td>
          <td><a href="{{ member.link }}" target="_blank">Linkedin</a></td>
        </tr>
      {% endfor %}
    </tbody>
  </table>
</body>
</html>

```

```

class LabMembersView(View):
    def get(self, request):
        members = GroupMember.objects.order_by('first_name')
        context = {
            'members': members
        }
        return render(request, 'carapp/team.html', context)

```

Lab Members

Name	Semester	Personal Page
Abhishek Singh	3	Linkedin
Hanza Baig	3	Linkedin
Harsimran Singh	3	Linkedin
Komal Patel	3	Linkedin
Talha Choudhary	3	Linkedin
Vidya Sehgal	3	Linkedin
Vivek Verma	3	Linkedin