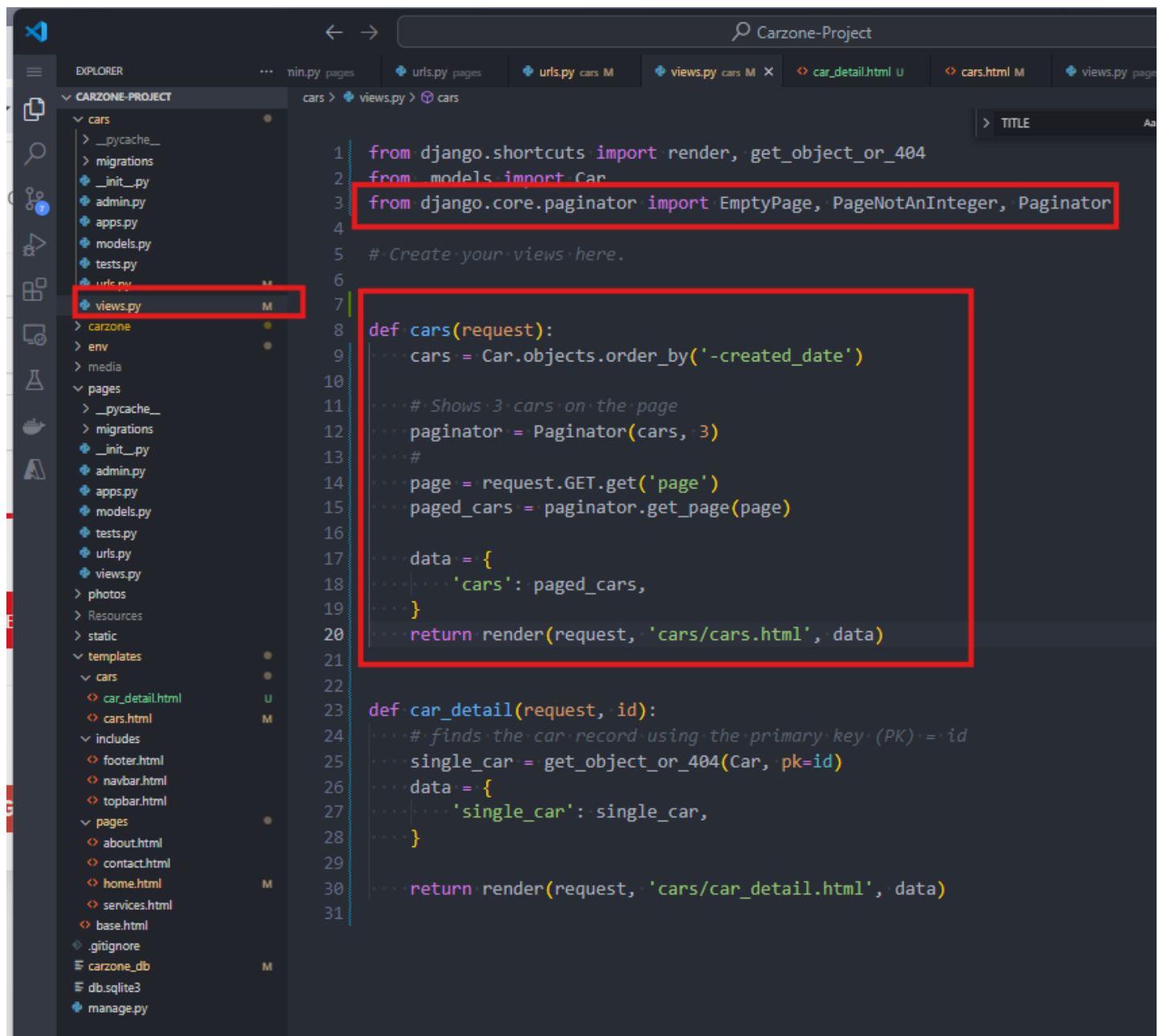


Topic: Car Listing: Pagination Part 8

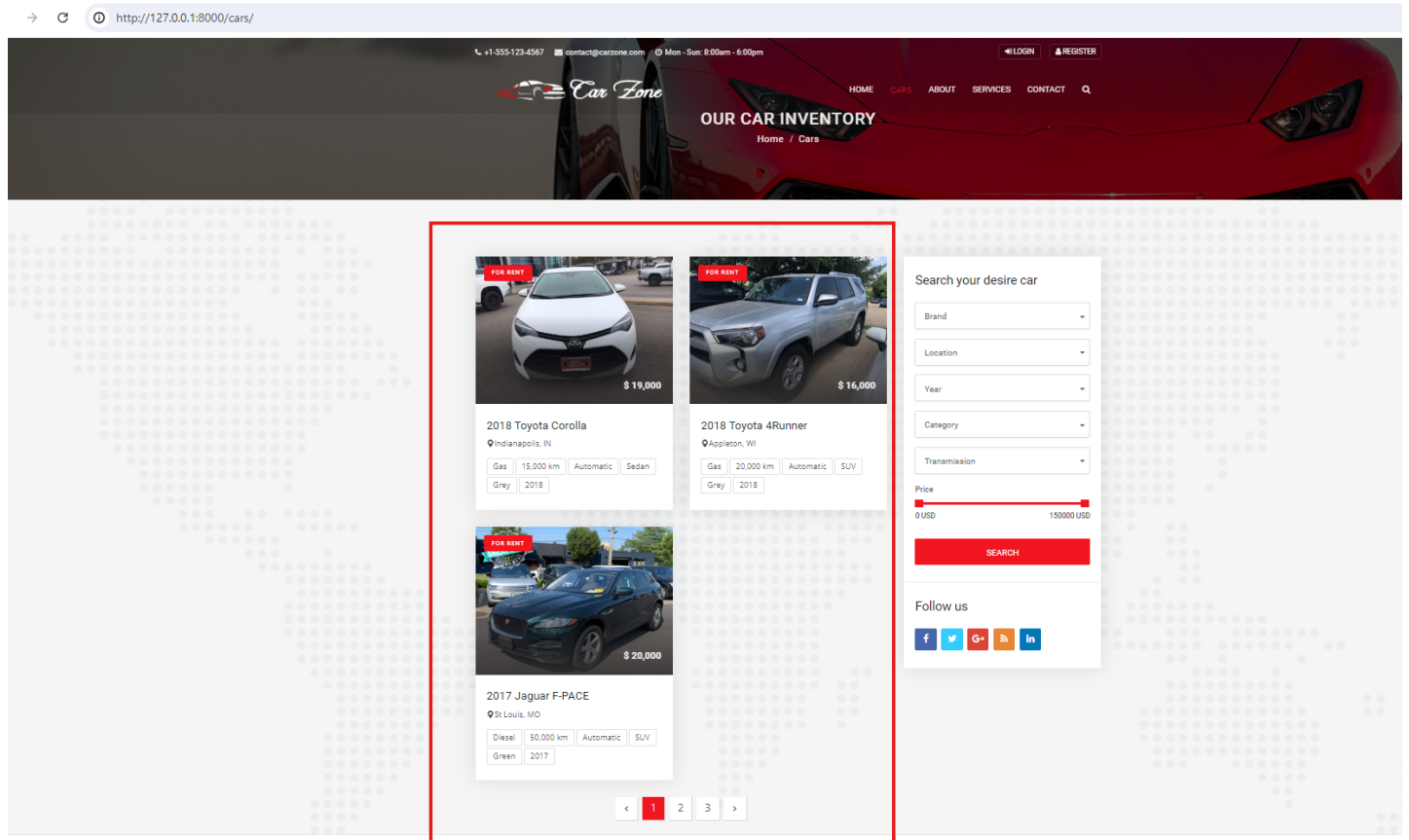
Speaker: Udemy Instructor Rathan Kumar / Notebook: Django Project: Car Listing



1. Use a Django package PAGINATOR to enable page activity.
2. Update the CARS/VIEWS.PY

The image is a screenshot of a Visual Studio Code editor window. The Explorer sidebar on the left shows a project named 'CARZONE-PROJECT' with a file tree including 'cars' and 'views.py', which is highlighted with a red box. The main editor area shows the code for 'views.py'. Lines 3-4 are highlighted with a red box: `from django.core.paginator import EmptyPage, PageNotAnInteger, Paginator`. Lines 7-20 are enclosed in a larger red box, showing the `cars` function. This function uses `Car.objects.order_by('-created_date')`, creates a `Paginator` with 3 items, gets the current page from the request, and renders the 'cars/cars.html' template with the paged cars data. Line 21 is a blank line. Lines 23-31 show the `car_detail` function, which uses `get_object_or_404` to find a car by ID and renders the 'cars/car_detail.html' template. The top of the editor shows several open tabs: 'Carzone-Project', 'views.py cars M', 'cars.html M', and 'views.py page'.

3. Run your CARS.HTML



4. To activate the PAGE BUTTONS, go to CARS.HTML,

FROM:

```
...<!-- Page navigation start -->
...<div class="pagination-box p-box-2 text-center">
  <nav aria-label="Page navigation example">
    <ul class="pagination">
      <li class="page-item">
        <a class="page-link" href="#"><i class="fa fa-angle-left"></i></a>
      </li>
      <li class="page-item"><a class="page-link active" href="#">1</a></li>
      <li class="page-item"><a class="page-link" href="#">2</a></li>
      <li class="page-item"><a class="page-link" href="#">3</a></li>
      <li class="page-item">
        <a class="page-link" href="#"><i class="fa fa-angle-right"></i></a>
      </li>
    </ul>
  </nav>
</div>
```

TO:

Checks if there is a previous page:

```

{% if cars.has_previous %}
<li class="page-item">
    <a class="page-link" href="?page={{ cars.previous_page_number }}"><i
    class="fa fa-angle-left"></i></a>
</li>
{% else %}
<li class="page-item disabled">
    <a class="page-link"><i class="fa fa-angle-left"></i></a>
</li>
{% endif %}

```

Depending on how car items per page is displayed, it can show several page numbers, the loop below will do this:

```

<!-- Loops thru multiple page numbers -->
{% for i in cars.paginator.page_range %}
<!-- make the page number active if we are on it -->
{% if cars.number == i %}
<li class="page-item"><a class="page-link active" href="#">{{ i }}</a></li>
{% else %}
<li class="page-item"><a class="page-link" href="?page={{ i }}">{{ i }}</a></li>
{% endif %}
{% endfor %}

```

Checks if there is a next page:

```

<!-- checks if there is a next page -->
{% if cars.has_next %}
<li class="page-item">
    <a class="page-link" href="?page={{ cars.next_page_number }}"><i
    class="fa fa-angle-right"></i></a>
</li>
{% else %}
<li class="page-item disabled">
    <a class="page-link"><i class="fa fa-angle-right"></i></a>
</li>
{% endif %}

```

The entire pagination code block should be:

```
templates > cars > cars.html > div.featured-car-content-area > div.container > div.row > div.col-lg-8.col-md-12 > div.pagination-box.p-box-2.text-center > nav
24 <div class="featured-car content-area">
25 <div class="container">
26 <div class="row">
27 <div class="col-lg-8 col-md-12">
103 <div class="pagination-box p-box-2 text-center">
105
106 <!-- checks if there is a previous page -->
107 {% if cars.has_other_pages %}
108 <ul class="pagination">
109 <li class="page-item">
110 <a class="page-link" href="?page={{cars.previous_page_number}}">i
111 class="fa fa-angle-left"</i></a>
112 </li>
113 {% else %}
114 <li class="page-item disabled">
115 <a class="page-link">i class="fa fa-angle-left"</i></a>
116 </li>
117 {% endif %}
118
119 <!-- Loops thru multiple page numbers -->
120 {% for i in cars.paginator.page_range %}
121 <!-- make the page number active if we are on it -->
122 {% if cars.number == i %}
123 <li class="page-item"><a class="page-link active" href="#">{{ i }}</a></li>
124 {% else %}
125 <li class="page-item"><a class="page-link" href="?page={{i}}">{{ i }}</a></li>
126 {% endif %}
127 {% endfor %}
128
129 <!-- checks if there is a next page -->
130 {% if cars.has_next %}
131 <li class="page-item">
132 <a class="page-link" href="?page={{cars.next_page_number}}">i
133 class="fa fa-angle-right"</i></a>
134 </li>
135 {% else %}
136 <li class="page-item disabled">
137 <a class="page-link">i class="fa fa-angle-right"</i></a>
138 </li>
139 {% endif %}
140 </ul>
141 {% endif %}
142 </div>
143 </div>
144 </div>
```

5. Run the server.

http://127.0.0.1:8000/cars/?page=2

+1-555-123-4567contact@carzone.comMon - Sun: 8:00am - 6:00pm


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Automatic

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2017

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\$ 20,000

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Chicago, IL

Gas

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