

Topic: Car Listing: Pagination Part 8

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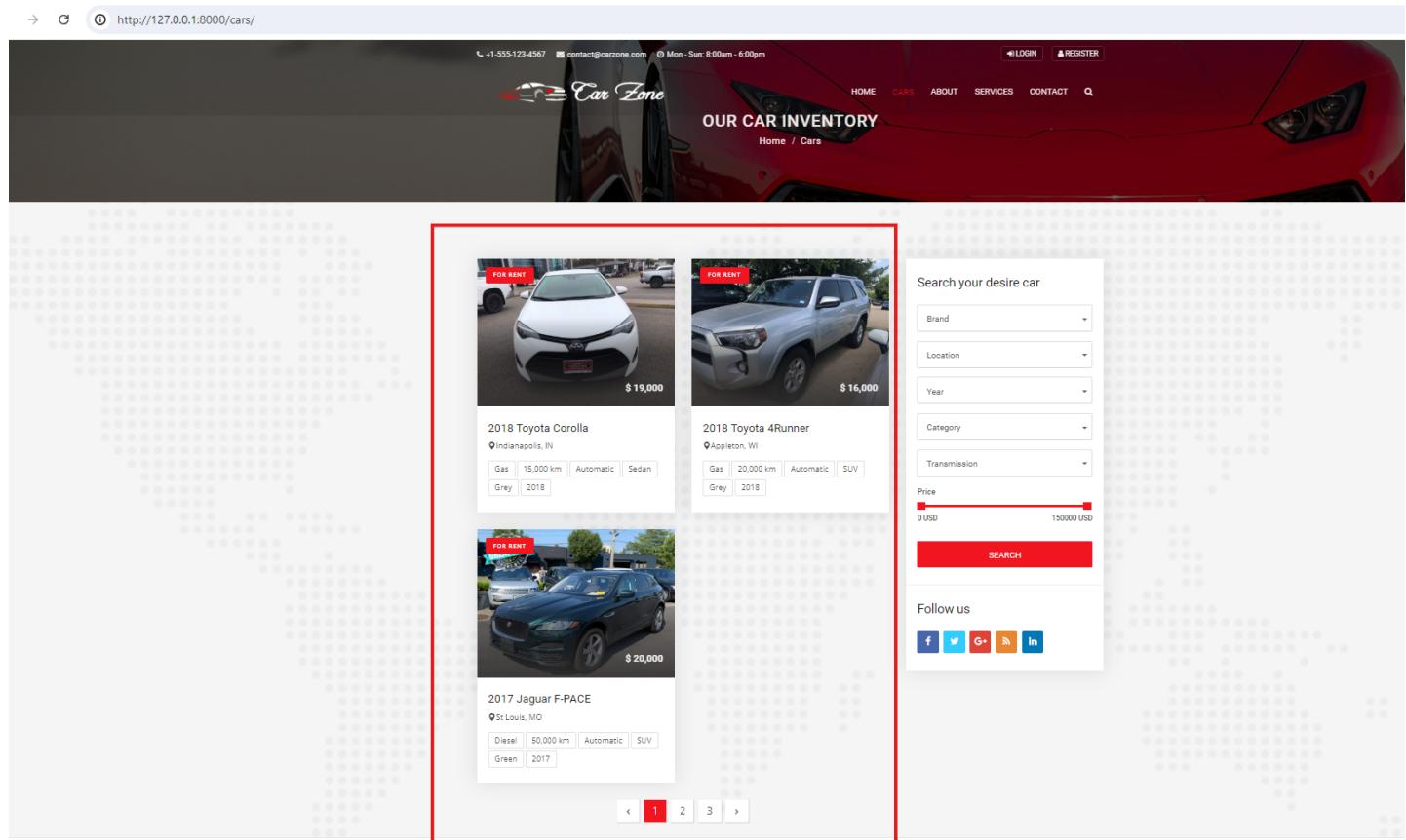


1. Use a Django package PAGINATOR to enable page activity.

2. Update the CARS\VIEWS.PY

A screenshot of a code editor showing a Django project structure. The project is named 'Carzone-Project'. The 'cars' application is selected in the 'EXPLORER' sidebar. The 'views.py' file is open in the main editor area. The code in 'views.py' is highlighted with a red box, and the entire function 'def cars(request)': is also highlighted with a larger red box. The code uses the 'Paginator' class from 'django.core.paginator' to handle page activity for the car list.

3. Run your CARS.HTML



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

FROM:

```
<!-- Page navigation start -->


<nav aria-label="Page navigation example">
    <ul class="pagination">
        <li class="page-item">
            <a class="page-link" href="#"></a>
        </li>
        <li class="page-item 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="#"></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:

CARZONE-PROJECT

```

cars
  > __pycache__
  > migrations
  < __init__.py
  < admin.py
  < apps.py
  < models.py
  < tests.py
  < urls.py
  < views.py
> carzone
> env
> media
  > pages
    > __pycache__
    > migrations
    < __init__.py
    < admin.py
    < apps.py
    < models.py
    < tests.py
    < urls.py
    < views.py
  > photos
  > Resources
  > static
  > templates
    > cars
      > __init__.py
      < cars.html
      < includes
        < footer.html
        < navbar.html
        < topbar.html
    > pages
      < about.html
      < contact.html
      < home.html
      < services.html
      < base.html
    < .gitignore
  < carzone_db
  < db.sqlite3
  < manage.py

```

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">
104            <!-- checks if there is a previous page -->
105            {% if cars.has_other_pages %}
106              <ul class="pagination">
107                {% if cars.has_previous %}
108                  <li class="page-item">
109                    <a class="page-link" href="?page={{cars.previous_page_number}}"><i
110                      class="fa fa-angle-left"></i></a>
111                  </li>
112                {% else %}
113                  <li class="page-item disabled">
114                    <a class="page-link"><i class="fa fa-angle-left"></i></a>
115                  </li>
116                {% endif %}
117
118                <!-- Loops thru multiple page numbers -->
119                {% for i in cars.paginator.page_range %}
120                  <!-- make the page number active if we are on it-->
121                  {% if cars.number == i %}
122                    <li class="page-item"><a class="page-link active" href="#">{{ i }}</a></li>
123                  {% else %}
124                    <li class="page-item"><a class="page-link" href="?page={{i}}">{{ i }}</a></li>
125                  {% endif %}
126                  {% endfor %}
127
128                <!-- checks if there is a next page -->
129                {% if cars.has_next %}
130                  <li class="page-item">
131                    <a class="page-link" href="?page={{cars.next_page_number}}"><i
132                      class="fa fa-angle-right"></i></a>
133                  </li>
134                {% else %}
135                  <li class="page-item disabled">
136                    <a class="page-link"><i class="fa fa-angle-right"></i></a>
137                  </li>
138                {% endif %}
139            </ul>
140            {% endif %}
141
142          </div>
143        </div>
144      </div>

```

5. Run the server.



The page displays two car listings in a grid format:

- 2017 Jaguar F-PACE** (St. Louis, MO)
\$ 20,000
FOR RENT
Diesel, 50,000 km, Automatic, SUV
Green, 2017
- 2017 Ford F-250 Super Duty** (Chicago, IL)
\$ 20,000
FOR RENT
Gas, 10,000 km, Automatic, Truck
Black, 2017

A navigation bar below the grid shows pages 1, 2, 3, and 4. To the right, a sidebar titled 'Search your desire car' contains dropdown menus for Brand, Location, Year, Category, Transmission, and a price range from 0 USD to 150,000 USD. A red 'SEARCH' button is at the bottom of the sidebar. Below the sidebar, a 'Follow us' section shows icons for Facebook, Twitter, Google+, YouTube, and LinkedIn.