

```
1 from django.shortcuts import get_object_or_404, render
2 # import the 404 as well
3 from django.core.paginator import EmptyPage, PageNotAnInteger, Paginator
4 # load database into view
5 from .models import Listing
6
7
8 def index(request):
9     # get all data from database
10    # listings = Listing.objects.all()
11    # or listing by list_date and filter out by check mark
12    listings = Listing.objects.order_by('-
list_date').filter(is_published=True)
13    # adding pagination function
14    # control no. of listing per page
15    paginator = Paginator(listings, 3)
16    page = request.GET.get('page')
17    paged_listings = paginator.get_page(page)
18
19    # listings pass through paginator to format, then use paged_listings as
value
20    context = {
21        'listings': paged_listings
22    }
23    return render(request, 'listings/listings.html', context)
24
25 # add additional parameter listing_id route
26
27
28 def listing(request, listing_id):
29     # get an id or return 404
30    listing = get_object_or_404(Listing, pk=listing_id)
31    context = {
32        'listing': listing
33    }
34    return render(request, 'listings/listing.html', context)
35
36
37 def search(request):
38     return render(request, 'listings/search.html')
39
```