

```
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 # choices at the same folder
5 from .choices import price_choices, state_choices, bedroom_choices
6 # load database into view
7 from .models import Listing
8
9
10 def index(request):
11     listings = Listing.objects.order_by('-
list_date').filter(is_published=True)
12     paginator = Paginator(listings, 3)
13     page = request.GET.get('page')
14     paged_listings = paginator.get_page(page)
15     context = {
16         'listings': paged_listings
17     }
18     return render(request, 'listings/listings.html', context)
19
20 # add additional parameter listing_id route
21
22
23 def listing(request, listing_id):
24     # get an id or return 404
25     listing = get_object_or_404(Listing, pk=listing_id)
26     context = {
27         'listing': listing
28     }
29     return render(request, 'listings/listing.html', context)
30
31
32 def search(request):
33     context = {
34         'state_choices': state_choices,
35         'price_choices': price_choices,
36         "bedroom_choices": bedroom_choices
37     }
38     return render(request, 'listings/search.html', context)
39
```