**Sykes Cottages Interview Test**

**Task**

At Sykes we are often given data sets to work with. We are then required to produce applications which search and return refined data sets.

Produce a simple search facility with pagination with the data sets provided.

The search is to do allow the matching of the following:

1. Location with exact and partial naming matches.
2. Near the Beach.
3. Accepts Pets.
4. Sleeps (minimum).
5. Beds (minimum).
6. Availability.

**Notes:**

* We are NOT trying to catch you out with requirements. It is simply a search facility.
* If you run out of time this is fine, we will be looking at the approach to the problem rather than a polished solution.
* The results should be paginated, but if you think you will be short on time I would advise you skip this. Please mention your reason for skipping pagination.
* This isn’t a web design test and we do not advise you use your time to make it look pretty or dynamic. **AVOID** anything fancy such as AJAX requests, autocompletes etc.
* We would like to see a fully OO approach.
* Don't change the database structure. Use the properties, locations and bookings tables provided for you.
* Using the Internet is 100% fine. We would not expect you to work without it in a real environment so we do not expect it here either. If you utilise libraries or others’ code please give a citation with a comment.