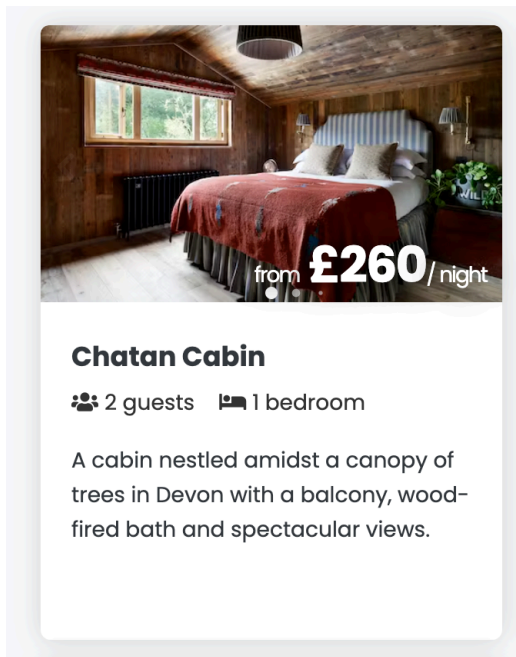# Coolstays Dev Team Assessment #1

Your task

Create a simple tool that asks a user for a category ID, and then uses the Coolstays API to fetch some properties within this category and render them as simple cards.

A sample card. Please render your properties in a similar way.

Requirements

- PHP must be used to make the request to the API and to iterate through and render the property cards
- If the category does not exist (and so an empty list of properties is returned), a friendly error message should be shown
- The Bootstrap CSS framework should be used
- Properties should be loaded into the page via AJAX so the user is not taken to another page
- The page should display how many properties were found by the API.
- The API does not support ordering. However, the client should order results alphabetically by the property title.

All other elements of the project are up to you. Feel free to adapt the structure of the project or use any suitable PHP packages

API

Requests

The Coolstays API is a REST API. Version 2 - /v2 is the currently usable version. It also implements some graphQL principles - namely resource expansion - so in a single request, you can fetch multiple resources. In this implementation, you will need to request the property and its image. To do this, you can use the `fields` parameter in the URL.

To request a property and its image -
- Set the fields parameter to property_id,title,image_id,image(*)
    - * is shorthand for all fields
- This will return an object like (note fields are not accurate)

```
{
    "property_id": 1234,
    "title": "The Secret Cabin",
    "image_id": 9876,
    "image": {
        "image_id": 9876,
        "width": 1200,
        "height": 1800,
        "deleted": false
    }
}
```

The fields that you will need from the property resource are
- title
- priced_by
- price_from
- bed_count
- count_bathrooms
- abstract
- image_id (you must select this so that the API can expand into the image resource)

Authentication

You will need to supply your personal API token as a bearer token.
Your API token is `1880|auLAzeOlg9rAcx89TG4szeUGhbNfpTB0dWDhaB0V`

Endpoints

GET https://api.coolstays.com/v2/search/properties
- Returns a list of property objects
- Supports a `category` parameter to only get properties in that category ID

Delivery

Please create a new git repository and push your project to this once complete. Then please get in touch with us and share your repo link. Email addresses can be found in the Notes section.

Notes

- We have provided a couple of files to act as a template. Please feel free to use these, adapt them or to create your own project from scratch if you prefer.

- We use the PHP Curl Class available through composer - to simplify making curls, but PHP does have cURL built into it.

- Our MacOS development environment uses docker, and on windows we favour Laragon, but feel free to use any other software.

- Don't get stuck!

Please feel free to contact kier@coolstays.com or nick@coolstays.com if you have any questions.

Enjoy!