# PHP Developer Test

## Background

Demonstrate your skills using a varied range of technologies we commonly use.

We’ll be assessing task completeness, as well as code quality.

Send a zip of your working directory (excluding the vendor directory) when finished. Include any instructions, or notes, or parts you wish to highlight. Feel free to demonstrate any additional knowledge or skills you have, where applicable to the task.

## Estimated Time

3 hours

## Skills Tested

### Primary

* PHP (Laravel)
* jQuery/Javascript
* HTML
* GIT: Commit your work to a local Git repository within your working folder as you finish logical parts of the task. Include the .git folder with the zip file. We follow a commit early/commit often mantra.

### Bonus (optional)

* Bootstrap: Use bootstrap to style the frontend section.

## Tasks

**API**

Using the provided CSV data, create an API route using Laravel that allows the data to be searched.

The data should be converted to a database table. Provide a backup of the database within the zip, or use Laravel migrations and seeders within the project.

The API should search on:

* Name: Should also match on partial names
* Bedrooms: Exact match
* Bathrooms: Exact match
* Storeys: Exact match
* Garages: Exact match
* Price: Range (between $X and $Y)

All search parameters should be optional, I should be able to search for 2 bedroom houses, or 4 bedroom and 2 bathroom houses, etc.

The API should return JSON.

**Frontend (Search Form)**

Create a basic search form that will query the API using AJAX and display the results it receives in HTML.

There should be some sort of searching indicator, a spinning icon or similar.

A message should be displayed if no results were found.