

Use Case ID:	4		
Use Case Name:	Display Interactive Housing Prices Map		
Created By:	Augustine	Last Updated By:	Augustine
Date Created:	28/1/2023	Date Last Updated:	29/1/2023

Actor:	Google Maps API,
Description:	The platform should display an interactive map with pins to indicate past transactions details. Use case is triggered by a system event where a 'Get Price' form is submitted.
Preconditions:	There is a valid housing town or postal code being sent to the Google Maps API.
Postconditions:	An interactive map, with ability to scroll and move, is generated with pins dropped on it
Priority:	Very High (core functionality)
Frequency of Use:	1 (per form submitted)
Flow of Events:	<ol style="list-style-type: none"> 1. Submission of 'Get Price' form triggers backend API (part of system). 2. Backend API take the town/ postal code and convert it to latitude and longitude 3. Backend API query against the database and checks if there are data points within 2km radius to it. 4. If there is, set map's zoom level to be 2km radius of provided housing estate. 5. Send town/ postal code to Google Maps API so map can be centered at the town/ postal code 6. Display map with pins drop to indicate past transactions 7. Utilise 'View House Details' use case when pin is selected
Alternative Flows:	AF1: No data points within 2km radius <ol style="list-style-type: none"> 1. Set map's zoom level to be 5km radius
Exceptions:	E1: Google Maps API is down Display "Interaction with Google Maps failed. Please try again later" E2: Backend API call returns error, Display "Internal Server Error. Please try again later"
Includes:	-
Special Requirements:	-
Assumptions:	Area/ postal code is valid
Notes and Issues:	-