

Use Case ID:	10		
Use Case Name:	Generate Estimated Pricing		
Created By:	Augustine	Last Updated By:	Augustine
Date Created:	29/1/2023	Date Last Updated:	30/1/2023

Actor:	- (triggered by system event)
Description:	When a buyer or seller submits the 'Get Price' form, the system needs to provide an estimated buying or selling price to display to the user.
Preconditions:	Use case triggered when the system generates the search data
Postconditions:	The details page displays an estimated buying or selling price
Priority:	Very High (core functionality)
Frequency of Use:	1 (per form submitted)
Flow of Events:	<ol style="list-style-type: none"> 1. System calls backend API to scan through all transactions with the same details as the searched details 2. Backend API returns the 25th, 50th and 75th percentile of the transactions 3. Set estimated buying or selling price as the 50th percentile price
Alternative Flows:	<p>AF1: No transactions in the provided postal code</p> <ol style="list-style-type: none"> 1. Widen the radius to be 5km of the provided postal code and conduct search again <p>AF2: No transactions in the provided neighbourhood</p> <ol style="list-style-type: none"> 1. Search within the provided housing district
Exceptions:	Backend API return error: Display "Internal Server Error. Please try again later"
Includes:	-
Special Requirements:	-
Assumptions:	The neighbourhood or postal code, and flat type provided are valid
Notes and Issues:	-