Use Case Diagram

Use Case Description

Use Case ID:	FF01		
Use Case Name:	Request System Access		
Created By:	Sandro Mero	Last Updated By:	Minjuan Luo
Date Created:	22.08.2022	Date Last Updated:	22.08.2022
Actor:	User (potential buyer or seller), System		
Description:	The use case that shows the user requesting access to the system		
Preconditions:	User must have a computer device and Internet connection.		
Postconditions:	The System must allow the user to access the service.		
Priority:	High		

Frequency of Use:	Multiple times a day
Flow of Events:	1. The user opens any internet browser in his computer device. 2. The user enters the URL of the Service 3. The internet browser sends an access request to the service. 4. The system of the service will check the request and allow it. 5. The service sends required information to the browser on the users device 6. The browser displays the webpage.
Alternative Flows:	AF-S2: The user does not know the URL 1. The user searches for the service through a search engine. 2. The search engine provides a link to the URL of this webpage 3. Continue with step 3.
Exceptions:	EX1: If the browser can not reach the service 1. The browser will display an error message "The service is temporarily not available, please try at a later time." EX2: Access to the service has been denied 1. The browser will display an error message: "Access Denied. Please contact an administrator."
Includes:	-
Special Requirements:	-
Assumption:	-
Notes and Issues:	-

Use Case ID:	FF03		
Use Case Name:	Provide resale information		
Created By:	Sandro Mero	Last Updated By:	Minjuan Luo
Date Created:	22.08.2022	Date Last Updated:	22.08.2022

Actor:	User (potential buyer or seller), System
Description:	The use case that describes the user getting resale information from the system
Preconditions:	The user must get the access to the resale system and have no internet faliure
Postconditions:	The resale system must show relevant information within seconds
Priority:	Very High
Frequency of Use:	Multiple times a day

Flow of Events:	1. The user input the region of the house/flat that he want to look for 2. The user input the budget range of the house/flat that he want to look for 3. The user input the time range of the resale price that he want to look for (not necessary) 4. The internet server sends a request to the system 5. The system sends back the results to the internet server 6. The server display messages in a new web page
Alternative Flows:	AF-S2: The user don't know how to use the system 1. The user look for the online consultation button in the web page 2. The resale system provide a chatbox for the user to contact administrator 3. The administrator give suggestions to the user
Exceptions:	1. The system don't recognize the region that the user is looking for and send back messages to ask for another attempt 2. The system don't have the information that the user is looking for and send back an apologize 3. The server have an internet faliure and send back the error message to the user
Includes:	maps, filters, search bar and customer service
Special Requirements:	NULL
Assumption:	The system may crash and fail to operate
Notes and Issues:	The system may not have enough vacancy for a large amount of access

Use Case ID:	FF02		
Use Case Name:	System maintenance		
Created By:	Sandro Mero	Last Updated By:	Minjuan Luo
Date Created:	22.08.2022	Date Last Updated:	22.08.2022

Actor:	Administrator, System
Description:	The use case that shows the admin may fix the system problems when there is a crash
Preconditions:	The system was crashed or the admin check the system once a week
Postconditions:	The system is fully prepared for next week's operation
Priority:	Extremely High/Median
Frequency of Use:	Once a week
Flow of Events:	1. The system was crashed due to unknown reason and require maintenance ASAP 2. The admin check the system once a week 3. The system was fully checked and fixed by the admin 4. The system back to normal situation
Alternative Flows:	NULL

Exceptions:	The admin is unable to fix the system and require further help
Includes:	NULL
Special Requirements:	The admin is well experienced in system maintenance
Assumption:	The system may not be able to operate because of some physical damage
Notes and Issues:	The physical system maintenance may require a large amount of time and component replacement