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# Use Cases

for

# Goodstart

Version 1.0 approved

Prepared by <author>

<organization>

10/02/2023

## Revision History

Name	Date	Reason For Changes	Version

Use Case ID:	001		
Use Case Name:	Check Application Rate		
Created By:	Lee Wen Wei	Last Updated By:	Lee Wen Wei
Date Created:	10/2/23	Date Last Updated:	10/2/23

Actor:	User
Description:	The user can check the application rate for a BTO flat.
Preconditions:	A BTO flat must be on current display.
Postconditions:	Display Application rate regarding the current BTO
Priority:	3
Frequency of Use:	Frequent
Flow of Events:	The user clicks on a button to request for application rate information. The system will display information regarding application rate.
Alternative Flows:	NIL
Exceptions:	NIL
Includes:	NIL
Special Requirements:	NIL
Assumptions:	NIL
Notes and Issues:	NIL

Use Case ID:	002		
Use Case Name:	Search Location		
Created By:	Lee Wen Wei	Last Updated By:	Lee Wen Wei
Date Created:	10/2/23	Date Last Updated:	10/2/23

Actor:	User
Description:	The user can select preferred locations to search for flats.
Preconditions:	The user must be searching for a flat
Postconditions:	System obtains user location preferences.
Priority:	2
Frequency of Use:	Frequent
Flow of Events:	The user chooses locations that he prefers up to 5.
Alternative Flows:	If there is no location preference, click "NIL"
Exceptions:	NIL
Includes:	NIL
Special Requirements:	NIL
Assumptions:	NIL
Notes and Issues:	NIL

Use Case ID:	003		
Use Case Name:	Search Age		
Created By:	Heng Yin Cang	Last Updated By:	Heng Yin Cang
Date Created:	10/2/23	Date Last Updated:	10/2/23

Actor:	User
Description:	The user can search for the leasehold period of a certain resale HDB
Preconditions:	Search for Resale must be chosen.
Postconditions:	The list of HDB will be filtered according to the selected leasehold period.
Priority:	2
Frequency of Use:	Frequent
Flow of Events:	The user selects the option to search age for HDB. The system will display different leasehold period ranges for the user. The user will then choose the desired leasehold period.
Alternative Flows:	If there is no preferred age, select "NIL"
Exceptions:	NIL
Includes:	NIL
Special Requirements:	NIL
Assumptions:	The users need to know how long the remaining leasehold period for their targeted HDB is left.
Notes and Issues:	NIL

Use Case ID:	004		
Use Case Name:	Search Type		
Created By:	Le Duy Linh	Last Updated By:	Le Duy Linh
Date Created:	10/2/23	Date Last Updated:	10/2/23

Actor:	User
Description:	The user can search for the type of HDB that they want.
Preconditions:	Search for Resale or Search for BTO must be chosen first.
Postconditions:	The list of HDB will be filtered according to the selected type of HDB.
Priority:	2
Frequency of Use:	Frequent
Flow of Events:	The system displays different types for the user. The system allows the user to choose the type of building (i.e. 2-Room Flexi, 3-Room, 4-Room or Executive Flat). The user can input up to 2 choices.

Alternative Flows:	If there is no preferred type, select “NIL”
Exceptions:	NIL
Includes:	NIL
Special Requirements:	NIL
Assumptions:	The user knows beforehand what types of HDB there are.
Notes and Issues:	NIL

Use Case ID:	005		
Use Case Name:	Search Price		
Created By:	Heng Yin Cang	Last Updated By:	Heng Yin Cang
Date Created:	10/2/23	Date Last Updated:	10/2/23

Actor:	User
Description:	The user can filter the displayed HDBs based on price range.
Preconditions:	The user has to select Search for Resale or Search for BTO first.
Postconditions:	The list of HDB will be filtered according to the selected price range..
Priority:	2
Frequency of Use:	Frequent
Flow of Events:	The user selects the Search Price option. The system displays different price ranges for the user. The system allows the user to choose a price range that he/she prefers. (by maximum/minimum price or both)
Alternative Flows:	If there is no preferred price range, select “NIL”
Exceptions:	NIL
Includes:	NIL
Special Requirements:	NIL
Assumptions:	The users need to determine the price range for their desired HDB.
Notes and Issues:	NIL

Use Case ID:	006		
Use Case Name:	Search for Resale		
Created By:	Lee Wen Wei	Last Updated By:	Lee Wen Wei
Date Created:	10/2/23	Date Last Updated:	10/2/23

Actor:	User
Description:	Users can search for Resale with preferences.

Preconditions:	NIL
Postconditions:	System will recommend a list of Resale
Priority:	1
Frequency of Use:	Frequent
Flow of Events:	The system allows the user to filter using Search Price, Search Type, Search Location and Search Age. Upon finishing indicating preference, the user can click the button Start Searching to submit preference. The system will recommend at least 5 choices based on indicated preferences.
Alternative Flows:	
Exceptions:	NIL
Includes:	Search Price, Search Type, and Search Location, Search Age
Special Requirements:	NIL
Assumptions:	NIL
Notes and Issues:	NIL

Use Case ID:	007		
Use Case Name:	Search for BTO		
Created By:	Jovan Wong	Last Updated By:	Jovan Wong
Date Created:	10/02/23	Date Last Updated:	10/02/23

Actor:	User
Description:	User can check search for a list of BTO
Preconditions:	NIL
Postconditions:	System will display a list of BTO
Priority:	1
Frequency of Use:	Frequent
Flow of Events:	The system allows the user to filter using Search Price, Search Type, and Search Location. Upon finishing indicating preference, the User can click the button Start Searching to submit preference. The system will recommend at least 5 choices based on indicated preferences. The user can then check the application rate of the recommendations using Check Application Rate.
Alternative Flows:	NIL
Exceptions:	NIL
Includes:	Search Price, Search Type, and Search Location, Check Application Rate.
Special Requirements:	NIL
Assumptions:	NIL
Notes and Issues:	NIL

Use Case ID:	008		
Use Case Name:	Select Listing		
Created By:	Jovan Wong	Last Updated By:	Jovan Wong
Date Created:	10/02/23	Date Last Updated:	10/02/23

Actor:	User
Description:	User can select on a specific listing to view information
Preconditions:	User must have used Search BTO or Search Resale
Postconditions:	System will display information on selected listing
Priority:	1
Frequency of Use:	Very Frequent
Flow of Events:	<p>Users click on the specific listing they want to view</p> <p>System will display</p> <ul style="list-style-type: none"> <li>- general location</li> <li>- name of project</li> <li>- price range</li> <li>- map of surrounding environment</li> </ul>
Alternative Flows:	NIL
Exceptions:	NIL
Includes:	NIL
Special Requirements:	NIL
Assumptions:	NIL
Notes and Issues:	NIL

Use Case ID:	009		
Use Case Name:	Calculate Affordability		
Created By:	Jovan Wong	Last Updated By:	Jovan Wong
Date Created:	10/02/23	Date Last Updated:	10/02/23

Actor:	User
Description:	User can check their budget for buying a flat
Preconditions:	User must go to calculator page
Postconditions:	System will display the user's budget
Priority:	
Frequency of Use:	Once per user per day
Flow of Events:	<ol style="list-style-type: none"> <li>1. System gives users the option to calculate their budget for purchasing a flat</li> <li>2. Users can input their CPF and cash savings.</li> <li>3. Users can choose the type of flat they intend to purchase and household status.</li> <li>4. Users can select which housing grants they are eligible for.</li> <li>5. Users can choose if they want to take up a housing loan</li> <li>6. If they want to take up a housing loan, they can choose to take up loan from HDB or Bank</li> </ol>

	7. System will display their estimated budget for buying a flat
Alternative Flows:	NIL
Exceptions:	NIL
Includes:	NIL
Special Requirements:	NIL
Assumptions:	Users know their CPF and cash savings
Notes and Issues:	NIL

Use Case ID:	010		
Use Case Name:	Invalid Input		
Created By:	Lee Wen Wei	Last Updated By:	Lee Wen Wei
Date Created:	10/2/23	Date Last Updated:	10/2/23

Actor:	User
Description:	The user incorrectly uses the search tools
Preconditions:	The user is using either search for BTO or search for resale and input preference incorrectly.
Postconditions:	System obtains user location preferences.
Priority:	4
Frequency of Use:	Not Frequent
Flow of Events:	User make invalid input System received an error and optionally Display error
Alternative Flows:	NIL
Exceptions:	NIL
Includes:	NIL
Special Requirements:	NIL
Assumptions:	NIL
Notes and Issues:	NIL

Use Case ID:	011		
Use Case Name:	Display Error		
Created By:	Lee Wen Wei	Last Updated By:	Lee Wen Wei
Date Created:	10/2/23	Date Last Updated:	10/2/23

Actor:	User
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Description:	When the system detects an error which is caused by invalid input, the system uses invalid input use case to display an error message
Preconditions:	User has to enter an Invalid Input
Postconditions:	Error message displayed for user.
Priority:	5
Frequency of Use:	Not Frequent
Flow of Events:	System displays a pop up error message to the user and prompts the user to refresh.
Alternative Flows:	NIL
Exceptions:	NIL
Includes:	NIL
Special Requirements:	NIL
Assumptions:	NIL
Notes and Issues:	NIL