

Use Case ID:

Use Case ID:

Actor:	Buyer/ Account Details Database
Description:	This use case allows buyer to create a new account.
Preconditions:	nil
Postconditions:	Creation of a new account and saving of account details into Account Details Database
Priority:	High
Frequency of use:	High
Flow of Events:	User visits website and creates account
Alternative Flows:	nil
Exceptions:	nil
Includes:	Verify no existing account
Special Requirements:	nil
Assumptions:	nit
Notes and Issues:	nit
Use Case ID:	
Use Case Name:	Verify No Existing Account
Created By:	Abhijeet
Last Updated By::	Abhijeet
Date Created:	26/1/2024
Date Last Updated	2/2/2024
Actor:	Buyer/Account details database
Description:	This use case allows the system to verify if the buyer has an account already stored in the Account Details Database on the basis of buyer details
Preconditions:	nit
Postconditions:	Achieve verification

Create New Account

Abhijeet Abhijeet

26/1/2024 2/2/2024

Use Case ID:

Created By:

Use Case Name:

Last Updated By:: Date Created:

Date Last Updated

Date Last Upda	ted	2/2/2024
,	Actor:	Buyer/Account details database
Descri	otion:	This use case allows the system to verify if the buyer has an account already stored in the Account Details Database on the basis of buyer details
Precondi	tions:	nit
Postcondi	tions:	Achieve verification
Pri	ority:	High
Frequency of	use:	High
, ,		If account does not exist, the buyer can. create a new account. However, if account exist,
		indicates that the user already has an existing account.
Flow of Ev	ents:	nil
Alternative F	lows:	nil
Excep	tions:	nil
Incl	udes:	nil
Special Requirem	ents:	nit
Assump	tions:	nil
Notes and Is	sues:	
•		
Use Cas	e ID:	
Use Case Nam	ie:	Authenticate Account
Create	d By:	Aaron
Last Updated	Ву::	Aaron

Date Created:	26/1/2024
Date Last Updated	2/2/2024
Actor:	Buyer/ Account Details Database
Description:	The use authenticates the buyer's password and username after they have inputted it.
Preconditions:	Username and password
Postconditions:	Authenticates user and password
Priority:	High
Frequency of use:	High
Flow of Events:	The buyer has to input username and password in the Login use case
Alternative Flows:	If username and password is incorrect, the system will prompt the buyer to reenter user and password by giving control to the Log In use case
Exceptions:	nil
Includes:	nil
Special Requirements:	nil
Assumptions:	nil
	-7

se Case Name:	Find Relevant Property Recommendations
Created By:	Abhijeet
st Updated By::	Abhijeet
Date Created:	26/1/2024
te Last Updated	2/2/2024

Notes and Issues:

Last Updated By::

Date Last Updated

Date Created:

Created By:

Date Created:

Last Updated By::

Actor: Buyer	
·	on:This use case finds the relevant property recommendations from the URA API that matches by attributes the best
Preconditions:Sele	cted desired property attributes
Postconditions:Rel	evant properties are found
Priority: High	
Frequency of use:	ligh
Flow of Events these attributes	User enters desired property attributes and the system finds listings that fulfill at least 60% of
Alternative Flows:	
Exceptions:	
Includes:	
Special Requirements:	ni
Assumptions:	l
Notes and Issues:	ni
	l

Use Case ID:	
Use Case Name:	Estimate Desired Property Prices
Created By:	Aaron
Last Updated By::	Aaron
Date Created:	26/1/2024
Date Last Updated	2/2/2024
Actor: Buyer	
attributes and past ho	on:This use case allows system to estimate the price of the house based on the desired proper use prices from the URA database. property attributes selected
i reconditions.besired	property attributes selected

attributes and past ho	use prices from the URA database.
Preconditions:Desired	property attributes selected
Postconditions:Estima	nted price
Priority: High	
Frequency of use:High	•
Flow of Even	nts:User selects desired property attributes and then the system initiates a call to the URA API to
Alternative Flows:nil	terrinie an estimate.
Exceptions: nil	
Includes:Call URA API	
Special Requirements	rril
Assumptions:Past hou	Ising market conditions are relatively similar to the present
Notes and Issues: Drag	stic market changes could cause price estimation to be inaccurate
110103 01101 1330103.2103	
Use Case ID:	11
Use Case Name:	Call Property Guru API
Created By:	Aaron

Aaron

26/1/2024 2/2/2024

Aaftin

Aaton

26/1/2024

Actor:	Buyer
Description:	This use case calls the Property Guru API
Preconditions:	User chooses to compare properties
Postconditions:	Relevant current listings are displayed to the user
Priority:	High
Frequency of use:	High
Flow of Events:	User inputs desired property attributes and initiates a search
Alternative Flows:	nil
Exceptions:	ni
Includes:	l
Special Requirements:	ni
Assumptions:	l
Notes and Issues:	ni
·	l
Use Case ID:	n i 13
Use Case Name:	Choose From Suggested Properties

Date Last Updated	2/2/2	2024
·		
n Buyer		
Description:	This use case allows the buyer to select the su	ggested properties they would like to save.
Preconditions:Sug	gested properties are displayed	
	eferred properties are selected	
Priority: High		
Frequency of use:	High	
Flow of Events	User selects properties they prefer from the di	splayed list of relevant properties.
Alternative Flows:		ni
Exceptions:		
Includes:		
Special Requirements:		MI .
Assumptions:		
Notes and Issues:		ni
		ni
Use Case ID:	1	5
Use Case Name:	Save l	
Created By:	Abh	ieet

	Use Case ID:	15
	Use Case Name:	Save 🖺 sting
	Created By:	Abhijeet N
	Last Updated By::	Abhįjeet
	Date Created:	26/1/2024
	Date Last Updated	2/2/2024
_	·	
	Actor: Buyer	
		ion:This use case allows the buyer to save a selected use case from the Choose From Selected the Account Details Database
	Preconditions:The buy	er should have selected a suggested property from the Choose From Selected

	•	tipn: I his use case allows the buyer to save a selected luse case from the Choose From Selected the Account Details Database
	Preconditions:The buy Properties use caae	ver should have selected a suggested property from the Choose From Selected
	Postconditions:Save s	e ected property to Account Details Database
	Priority: High	
	Frequency of use:High	
	Flow of Events:User so	elects one of the suggested properties. This property is then saved to the account
	Alternative Flows:nil	
	Exceptions: nil	
	Includes: nil	
	Special Requirements	:nit
-	Notes and Issues:nil	
	Assumptions: nil	
	Use Case ID:	17
	Heo Caco Namo:	Display Solocted Listings Against Desired Property Attributes

Use Case ID:	17
Use Case Name:	Display Selected Listings Against Desired Property Attributes
Created By:	Abhijeet
Last Updated By::	Abhijeet
Date Created:	26/1/2024
Date Last Updated	2/2/2024

Actor: Buyer	
	his use case displays to the buyer the saved listing that they have selected to view against roperty attributes.
Preconditions:	The buyer should have inputted their Desired Property Attributes and choosen a listing.
Postconditions:	Obtain desired property attributes from buyer
Priority:	High
Frequency of use:	High
Flow of Events:	nil
Alternative Flows:	nil
Exceptions:	nil
Includes:	Compare against desired property attributes
Special Requirements:	nil
Notes and Issues:	nil
Assumptions:	nil

Flow of Events	: nil
Alternative Flows	nil nil
Exceptions	: nil
Includes	: Compare against desired property attributes
Special Requirements	: nil
Notes and Issues	: nil
Assumptions	: nil
Use Case ID:	19
Use Case ID: Use Case Name:	19 Choose Properties Intended For Purchase

Use Case ID:	19
Use Case Name:	Choose Properties Intended For Purchase
Created By:	Abhijeet
Last Updated By::	Abhijeet
Date Created:	26/1/2024
Date Last Updated	2/2/2024
Actor: Buye	r
Description listings.	This use case allows buyer to select properties they wish to purchase from their saved

Nil

High High

User looks at list of saved properties and selects one

Display next steps

nil

Preconditions: he buyer should have saved listings

Postconditions: Priority:

Frequency of use: Flow of Events:

Alternative Flows: Exceptions: Includes:

Special Requirements:

Notes and Issues:

Assumptions:

Use Case Name:	Input Desired Property Details
Created By:	Aaron
Last Updated By::	Aaron
Date Created:	26/1/2024
Date Last Updated	2/2/2024
Actor	Buyer
Description	This use case allows the buyer to input their desired property details
Preconditions	: User logs in
Postconditions	Save desired property details into Account details
Priority	. Low
Frequency of use	: Medium
Flow of Events	: User inputs their desired property details
Alternative Flows	nil
Exceptions	nil nil
Includes	nil nil
Special Requirements:	nit
Assumptions	nit nit
Notes and Issues	nit nit

Use Case Name:	Log In
Created By:	Abhijeet
Last Updated By::	Abhijeet
Date Created:	26/1/202
Date Last Updated	4
	2/2/2024
Buyer/ Ac êoto r	t Details Database
buyer to use th	prompts the buyer to enter correct username and password to enable the e Nesting Web Application
User daas lähicas	
Rentece ditions	•
High Priority	<u>r</u>
Frequency of use	
If username do	pes not exist in Account Details Database, it indicates incorrect input to the
	thuyer so that they can try again. If incorrect password is inputted by the buyer, it indicates to et password has been inputted and allows the user to try again.
nil	
Alternative Flows	:
Exceptions Authenticate A	: ccount
Includes nil	:
Special Requirements	
Assumptions nil	:
Notes and Issues	

Use Case ID:	
Use Case Name:	Indicate Desired Property Attributes
Created By:	Aaron
Last Updated By::	Aaron
Date Created:	26/1/2024
Date Last Updated	2/2/2024
Actor:	Buyer

Description:	This use case allows user to indicate their desired property attributes.
Preconditions:	User has logged in
Postconditions:	Obtain desired property attributes
Priority:	High
Frequency of use:	High
Flow of Events:1	he user will enter desired location, room count, closest amenities, square footage
Alternative Flows:	ni
Exceptions:	l
Includes:	ni
Special Requirements:	l
Assumptions:	ni
Notes and Issues:	l
	ni
	l
Use Case ID:	ni

Use Case ID:	111
Use Case Name:	Display Relevant Property Recommendations
Created By:	Aarpn
Last Updated By::	Aaŗon
Date Created:	26/1/2024
Date Last Updated	2/2/2024
Actor: Buyer	
Description:Thi	s use case displays the relevant property recommendations to the user.
Preconditions:F	Relevant property recommendations from the Find Relevant Property Recommendation Use

Preconditions:	Relevant property recommendations from the Find Relevant Property Recommendation Use
Poistplaydiellevan	t property recommendations to the user
High Priority:	
Freயுழ்த்தை of use:	
FlusieroefrEveesitse	ired property attributes and initiate a comparison
Alteritative Flows:	
nil Exceptions:	
nil Includes:	
Special Requirements:	
nassumptions:	
Notes and Issues:	
Use Case ID:	10

Call URA API

Abhijeet

Use Case Name:

Date Last Updated

Date Last Update

Created By:

Last Updated By::	Abhijeet
Date Created:	26/01/24
Date Last Updated	26/01/24
Actor	: Buyer
Description	: The use case calls the URA API
Preconditions	: User selects comparison function
Postconditions	: Relevant properties are found
Priority	: Medium
Frequency of use	: Medium
Flow of Events	: User inputs desired property attributes and selects comparison function
Alternative Flows	: nil
Exceptions	: nil

Frequency of use	: Medium
Flow of Events	: User inputs desired property attributes and selects comparison function
Alternative Flows	: nil
Exceptions	nil nil
Includes	nil nil
Special Requirements	nil
Assumptions	nil nil
Notes and Issues	nit
Use Case ID:	12
Use Case Name:	Call Relevant API
Created By:	Aaron
Last Updated By::	Aaron
Date Created:	26/01/24

26/01/24

The use case calls the Relevent API. User selects comparison function
· · · · · · · · · · · · · · · · · · ·
Polovent properties are found
Relevant properties are found
High
High
User selects desired property attributes and then selects the comparison function
nil
nil
Call Google Maps API, Call Property Guru API
nil
nil
nil
14

Use case ID	14
Use Case Name:	Call Google Maps API
Created By:	Abhijeet
Last Updated By::	Abhijeet
Date Created:	26/01/24
Date Last Updated	26/01/24
Actor	Buyer
Description:	The use case calls the Google Maps API.
Preconditions:	User selects comparison function
Postconditions:	Relevant properties are found

Postconditions	: Relevant properties are found
Priority	: High
Frequency of use	: High
Flow of Events	nil nil
Alternative Flows	nil nil
Exceptions	nil nil
Includes	nil nil
Special Requirements	nil
Assumptions	: nit
Notes and Issues	nit
Use Case ID:	16
Use Case Name:	Compare Against Desired Property Attributes
Created By:	Abhijeet
Last Updated By::	Abhijeet
Date Created:	26/1/2024

2/2/2024

Actor:	Buyer
Description:	This use case allow the buyer to compare a saved property to their desired property attributes.
Preconditions:	The buyer should have inputted their desired property attributes.
Postconditions:	Obtain desired property attributes from buyer
Priority:	High
Frequency of use:	High
Flow of Events:	User selects from saved properties and selects comparison function
Alternative Flows:	nil
Exceptions:	nil
Includes:	nil
Special Requirements:	nil
Notes and Issues:	nil
Assumptions:	nil

·	
Use Case ID:	18
Use Case Name:	Select And View Saved Properties
Created By:	Abhijeet
Last Updated By::	Abhijeet
Date Created:	26/1/2024
Date Last Updated	2/2/2024
Actor:	Buyer/Account Details Database
Description:	This use case allows the buyer to view their saved properties.
Dunnan dikinan	The boose should be seened as a said
Preconditions:	The buyer should have saved properties.

Preconditions:	The buyer should have saved properties.
Postconditions:	Nil
Priority:	High
Frequency of use:	High
Flow of Events:	User selects from list of saved properties
Alternative Flows:	nil
Exceptions:	nil
Includes:	nil
Special Requirements:	nil
Notes and Issues:	nil
Assumptions:	nil
Use Case ID:	20
Use Case Name:	Display Next Steps
Use Case Name.	Display Ivext Steps

Last Updated By::	Abhijeet
Date Created:	26/1/2024
Date Last Updated	2/2/2024
Actor:	Buyer
Description:	This use case would prompt the user on what to do next in order to purchase the property.
Preconditions:	The buyer should have selected from list of saved properties
Postconditions:	Prompts for the user
Priority:	High
Frequency of use:	High
Flow of Events:	nil
Alternative Flows:	nil
Exceptions:	nil

Abhijeet

nil

nil

Created By:

Includes:

Special Requirements:

Notes and Issues:

Assumptions: