

## ASSIGNMENT 6 – USE CASE, BUSINESS RULES AND DATA DICTIONARY – GROUP 22

### DESCRIPTION:

This use case enables seller's agents to efficiently manage property listings within a system and it outlines the steps involved in creating, editing, and removing a selling agent's property listing.

PRIMARY ACTOR: SELLER'S AGENT

SECONDARY ACTOR: USER and The LISTING SYSTEM

PRE-CONDITIONS: The Seller's Agent must be logged into the system.

### BASIC FLOW:

STEPS	ALTERNATIVE FLOW
1. Seller's agent selects the 'Create Listing' option.	AF01 - Update existing listing AF02 - Delete existing listing
2. Seller's agent will provide the following mandatory listing information:  DE01 – Property Type(M) DE02 – Property Description (M) DE03 – Property Address (M) DE04 – Last Name (M) DE05 – Number of bedrooms (M) DE06 – Number of bathrooms(M) DE07 – Year Built(M) DE08 – Original Price (Mandatory when creating a new listing) DE09 – Updated Price (Mandatory when modifying a listing) DE10-Gross Annual Taxes(M) DE11 – Maintenance Fees (Mandatory if Property Type is condo/townhouse) DE12 – Parking (M) DE13 – Locker(M) DE14 – Listing Agent Name(M) DE15 – Room Sizes(O)	
3. System will validate that the Seller Agent provided the following mandatory Information with Acceptable Values.	AF03 - System will display an error message for any Invalid Input.
4. The user is prompted by the system to either publish or store the prepared listing as a draft.	

5. System will automatically assign a new Listing ID to a newly created listing.	
6. Seller agent selects to Publish the listing.	AF04 – Seller Agent selects to save the listing as Draft.
7. System will assign a status of the listing automatically.	

## AFO1 – UPDATE EXISTING LISTING:

STEPS	ALTERNATE FLOWS
1.This flow will start when the Seller’s Agent selects for updating an existing property listing.	
2.User will search for the Listing by providing search criteria:  DE15 – Listing Agent DE16 – Listing Address DE17 – Listing Reference ID	
3.User will provide at least one of search criteria	AF05- No Listings Found as per the selected Criteria
4. Seller agent selects the listing from the list for updating/viewing or deleting.	
5.Seller’s Agent selects to update the Listing.	AF06- Not the Listing Owner
6.Seller agent updates the listing.	
7. Seller agent selects to publish the listing.	AF04- Seller Agent selects to save the updates Listing as a draft.
8.System will update the required status of the Listing.	

## AFO2- DELETE A LISTING:

STEPS	ALTERNATIVE FLOW
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1.This flow starts when the Seller Agent will select to Delete the existing Listing.	
2.User will search for the Listing by providing search criteria:  DE15 – Listing Agent DE16 – Listing Address DE17 – Listing Reference ID	
3.User will provide at least one of search criteria	
4.The seller's agent selects the listing from the list for deleting.	AF05- No Listings Found as per the selected Criteria
5. Seller agent selects the listing from the list for deleting.	
6. The seller's agent to delete the listing.	AF06- Not the Listing Owner
7. System prompts to confirm the deletion.	
8.The Seller's Agents Delete the Listing.	
9.System deletes the selected Listing.	

#### AF03 - Any Invalid Input:

STEPS	ALTERNATIVE FLOW
1.This flow starts when the system will validate the values provided by the Seller Agent for the mandatory fields.	
2. System will display an error message for the user to correct the entered information.	
3. This flow resumes back to where system prompts user to re-enter the information.	

#### AF04- Seller Agent selects to save the updates Listing as a draft.

STEPS	ALTERNATE FLOWS
1.This flow will start whenever the seller agent selects to save the Listing as Draft.	

2. System will save the created or updated listing as a draft and will not publish it.	
3. Use Case ends.	

#### AF05- No Listings Found as per the selected Criteria

STEPS	ALTERNATE FLOWS
1. This flow starts when system does not find any listing for the criteria specified by seller's agent while searching.	
2. System informs the user that there were no matches for the provided search criteria.	
3. This flow resumes at the Update/Delete Existing Listing step.	

#### AF06 – Not the Listing Owner

STEPS	ALTERNATE FLOWS
1. This flow starts when the seller agent requests to update or delete a listing for which he is not the owner.	
2. System will let to just view the listing while disabling the user to modify or delete the listing.	
3. User will view the existing listing.	
4. This flow resumes where system prompts to enter the search criteria for delete/update listing again.	

#### AF07 – System Error

STEPS	ALTERNATE FLOWS
1. This flow starts at any moment of the use case when system error will occur.	
2. System informs the user that a system error has occurred and they can try executing the necessary action some other time.	
3. Use case ends	

#### AF08– Request to Cancel

STEPS	ALTERNATE FLOWS
1. This flow starts at a point when the user requests to exit the process.	
2. System prompts a message to the seller agent to confirm the cancellation.	
3. Seller Agent will confirm for the cancellation.	
4. Use Case ends	

Post-Conditions: Listing is created or updated and retained in the system.

### Business Rules :

BR01 – Determine Documents Required: For all account types,

DE53 – Document Type which is required is Passport or Driver's License and the additional Documents as per below:

CRITERIA	ADDITIONAL DOCUMENTS REQUIRED
DE34 - Third Party Trading Authorization = Yes	Trading Authority Agreement
DE35 – Usage on Behalf of Third Party = Yes	Power of Attorney
DE49– US Citizen/Resident for Tax purposes = Yes	Passport

BR02 – Determine Valid Documentation Uploaded document is valid when:

DE53- Document type of uploaded document is the same as DE53-Document Type as determined by the BR01 – Determine Supporting Documentation and

DE55-Document Expiration Date is less than current date BR04 – Determine Application Status

### DATA DICTIONARY:

ID	Business Name	Description	Valid Values	Calculation Rules	Sample
DE01.	Account Type	Type of account for application	Cash Margin TFSA RRSP		TFSA

DE02. D	Customer Type	Etc.	New Existing with Login		New
DE03. D	Customer Title		Mr. Mrs. Ms. Dr.		Ms.
DE04. D	First Name				Alex
DE05. S	Middle Name				Johnson
DE06.	Email Address				<u>alex.jhonson@gmail.com</u>
DE07. D	Confirm Email Address		Must be equal to DE06-Email address		Alex.johnson@gmail.com
DE08. D	Date of Birth		Must be older than 18		MAY 5, 1982
DE09. D	Social Insurance Number				123 456 780
DE010. D	Citizenship		For list of countries see Appendix A		Canada
DE011. D	Second Citizenship		For list of countries see Appendix A		
DE012. D	Pro Indicator		Yes No		
DE013. D	Home Phone				437-437-4567
DE014.	Mobile Phone				437-437-4567

DE015.	Country of Residence		For list of countries see Appendix A		Canada
DE016.	Street Address				79 Adelaide St. W
DE017.	Unit Type				2105
DE018.	Special Address				Basement
DE019.	City				Toronto
DE020.	Province		For list of provinces see Appendix B		ON
DE021.	Postal Code		Must be valid postal code as validated with Postal Code lookup service		M5L 1C6
DE022.	PO Box Number				123
DE023.	Lived at this address since		Must be prior or equal to current year		2001
DE024.	Indicator Same as Mailing		Yes No		Yes
DE025.	Employment Status		Full Time Part Time Student Retired Not working		Full Time
DE026.	Gross Annual Personal Income				\$100,000
DE027.	Net Worth				\$100,000

DE028.	Residential Status		Own Rent Other		Own
DE029.	Other Household Income				\$35,000
DE030.	Consent to Sharing		Yes No		Yes
DE031.	Consent to Online Authentication		Yes No		Yes
DE032.	Consent to Collection Information		Yes No		Yes
DE033.	Options Trading Indicator		Yes No		No
DE034.	Third Party Trading Authorization		Yes No		No
DE035.	Usage on Behalf of Third Party		Yes No		No
DE036.	Primary Purpose of Account		Investment Retirement Savings		Investment
DE037.	Link to Existing Web Broker ID				123455
DE038.	Marital Status		Single Married Divorced Widowed		Single



DE039.	Number of Years of Experience Stocks				0
DE040.	Number of Years of Experience Mutual Funds				0
DE041.	Number of Years of Experience Short Selling				0
DE042.	Number of Years of Experience Alternative Investments				0
DE043.	Number of Years of Experience Bonds				0
DE044.	Number of Years of Experience Options				0
DE045.	Number of Years of Experience Segregated Funds				0
DE046.	Controlling Interest in Publicly Trading Company		Yes No		

DE047.	Officer in Publicly Traded Company		Yes No		
DE048.	Other Brokerage Accounts		Yes No		
DE049.	US Citizen/Reside nt for Tax purposes		Yes No		Yes
DE050.	Stakeholder Communicatio n Instructions				
DE051.	Accept Charges for Mailing		Receive All Receive Proxy-Related Decline All		Receive Proxy-Related
DE052.	Accept Agreement and Disclosure Documents		Yes No		
DE053.	Accept Commission Schedule and Rates and Fees		Yes No		
DE054.	Accept Relationship Disclosure Documents		Yes No		
DE055.	Type of Document		Driver's License Passport Trading Authority Agreement Power of Attorney		Driver's License
DE056.	Signature				Image
DE057.	Email Address for Application				alex.johnson@g mail.com

DE058.	Password for Application				Password456
DE059.	Confirm Password for Application		Must be equal to DE058- Password for Application		Password456