



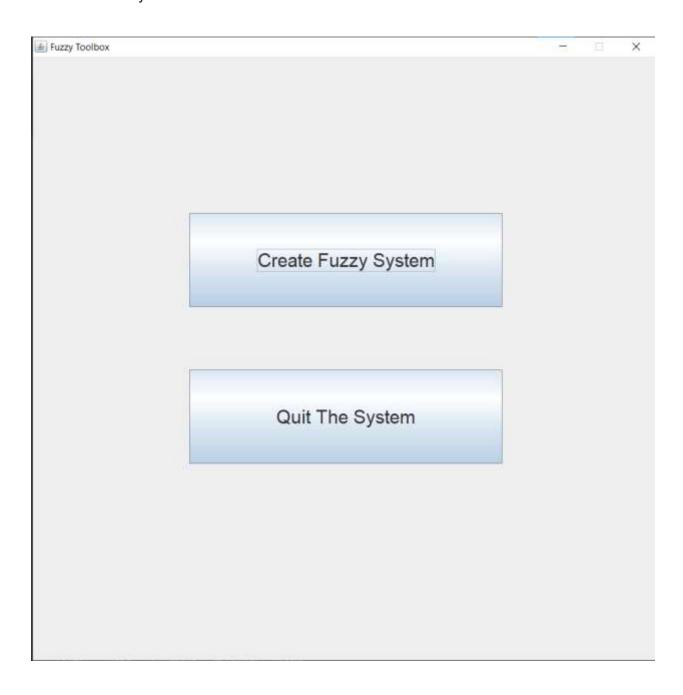
Cairo University Faculty of Computers and Artificial Intelligence

Machine Learning Assignment 2

Team Members

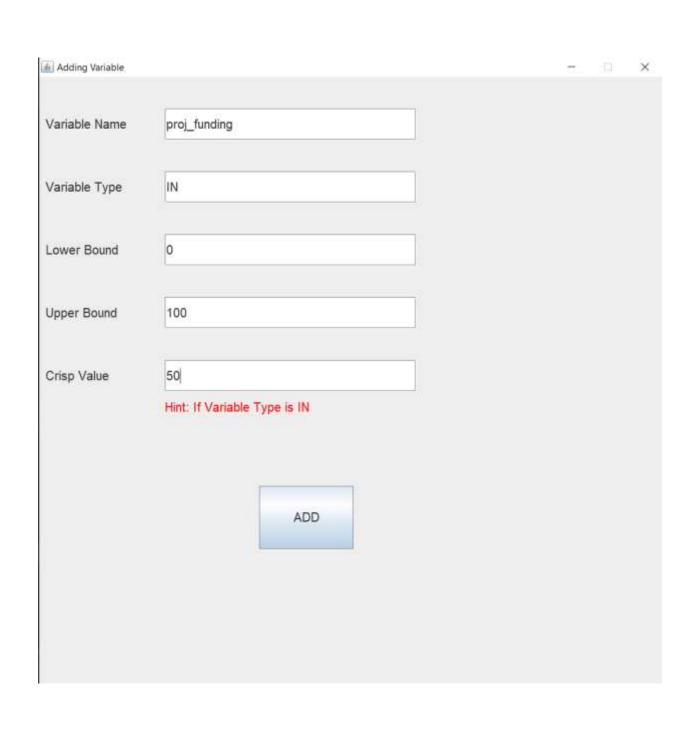
Name	ID
Yomna Mahmoud Abd El Wahab	20190625
Nada Omar Fathi Abd El Salam	20190581
Fayza Ahmed Sayed Ahmed	20190376
Asmaa Refat Abd Elmabood	20190101

1: Start the Fuzzy toolbox



2: add variables and their sets

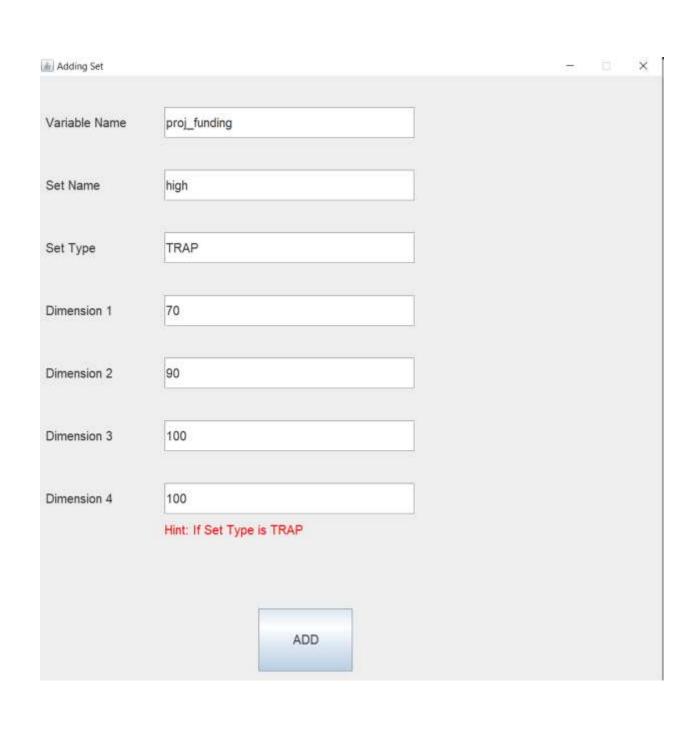


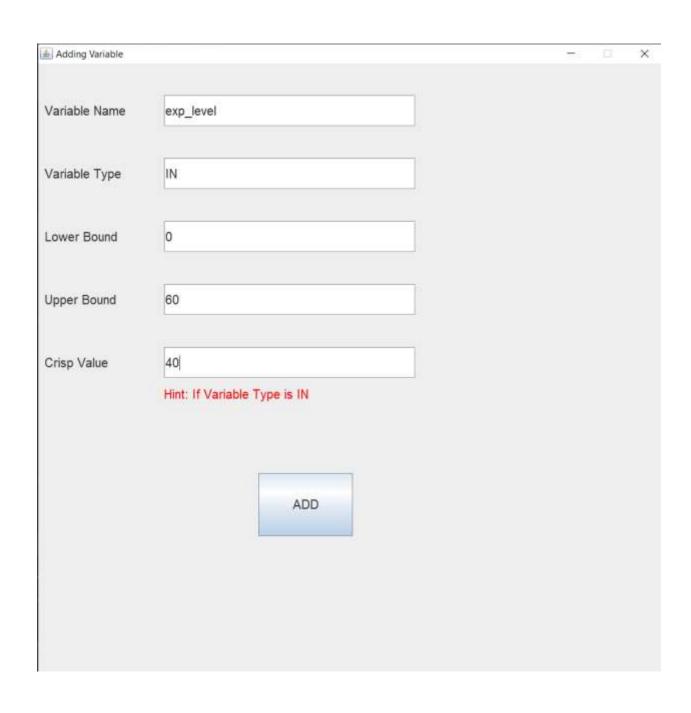


Adding Set		E S	Œ	×
Variable Name	proj_funding			
Set Name	very_low			
Set Type	TRAP			
Dimension 1	0			
Dimension 2	0			
Dimension 3	10			
Dimension 4	30			
	Hint: If Set Type is TRAP			
	ADD			

▲ Adding Set			×
Variable Name	proj_funding		
Set Name	low		
Set Type	TRAP		
Dimension 1	10		
Dimension 2	30		
Dimension 3	40		
Dimension 4	Hint: If Set Type is TRAP		
	ADD		

Adding Set		_	П	×
Variable Name	proj_funding			
Set Name	medium			
Set Type	TRAP			
Dimension 1	40			
Dimension 2	60			
Dimension 3	70			
Dimension 4	90 Hint: If Set Type is TRAP			
	THILL IT GET TYPE IS TITLE			
	ADD			

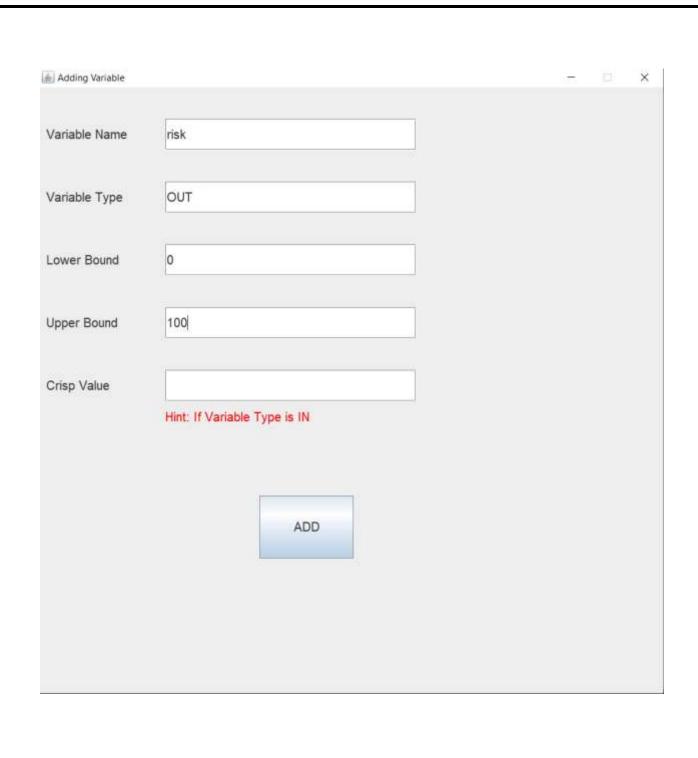




Set Name	exp_level Deginner			
4				
Set Type	TRI			
Dimension 1	D ,			
Dimension 2	15			
Dimension 3	30			
Dimension 4	lint: If Set Type is TRAP			
	2500 			
	ADD			

Adding Set	EE - 5955	77.0	0	×
Variable Name	exp_level			
Set Name	intermediate			
Set Type	TRI			
Dimension 1	15			
Dimension 2	30			
Dimension 3	45			
Dimension 4	Hint: If Set Type is TRAP			
	ADD			

Variable Name exp_level				
Set Name expert				
Set Type TRI				
Dimension 1 30				
Dimension 2 60				
Dimension 3 60				
Dimension 4				
Hint: If Set	Type is TRAP			
	ADD			

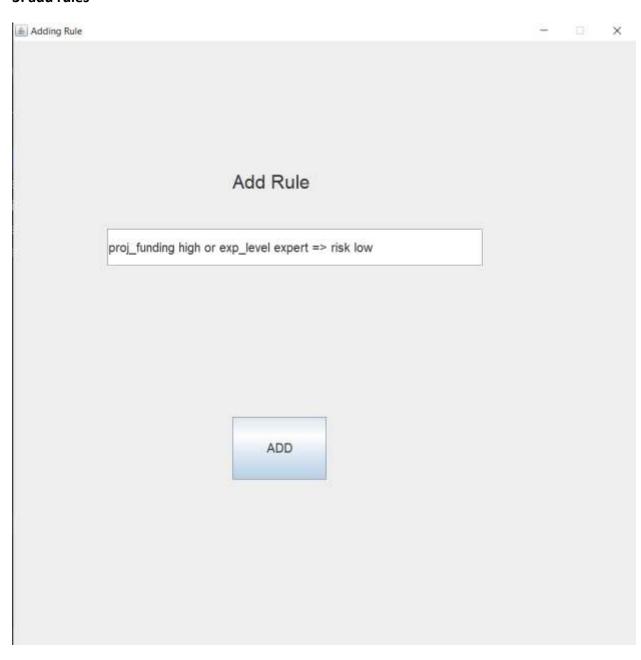


Adding Set		157	×
Variable Name	risk		
Set Name	low		
Set Type	TRI		
Dimension 1	0		
Dimension 2	25		
Dimension 3	50		
Dimension 4	Hint: If Set Type is TRAP		
	ADD		

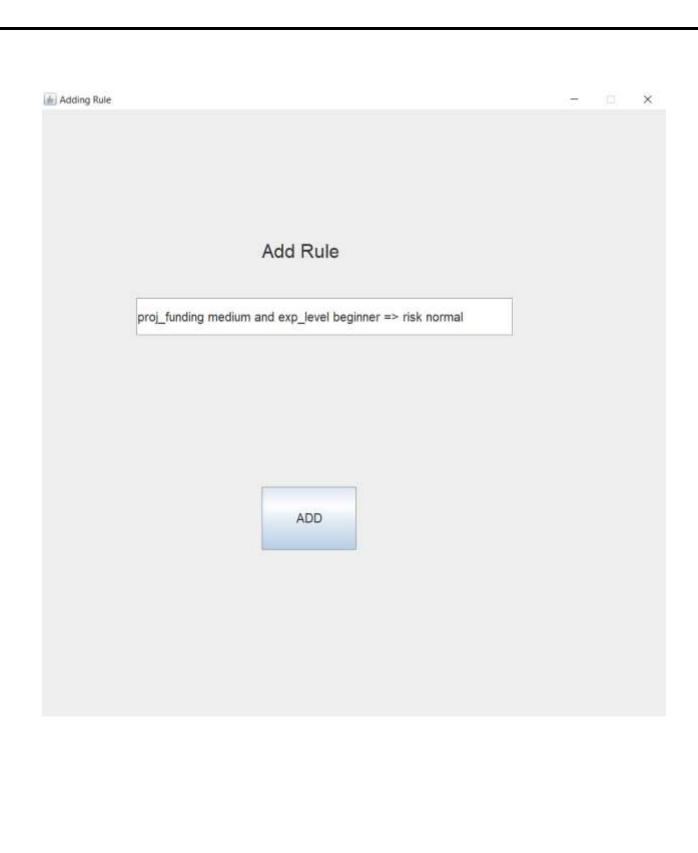
▲ Adding Set		71	II.	×
Variable Name	risk			
Set Name	normal			
Set Type	TRI			
Dimension 1	25			
Dimension 2	50			
Dimension 3	75			
Dimension 4	Hint: If Set Type is TRAP			
	ADD			

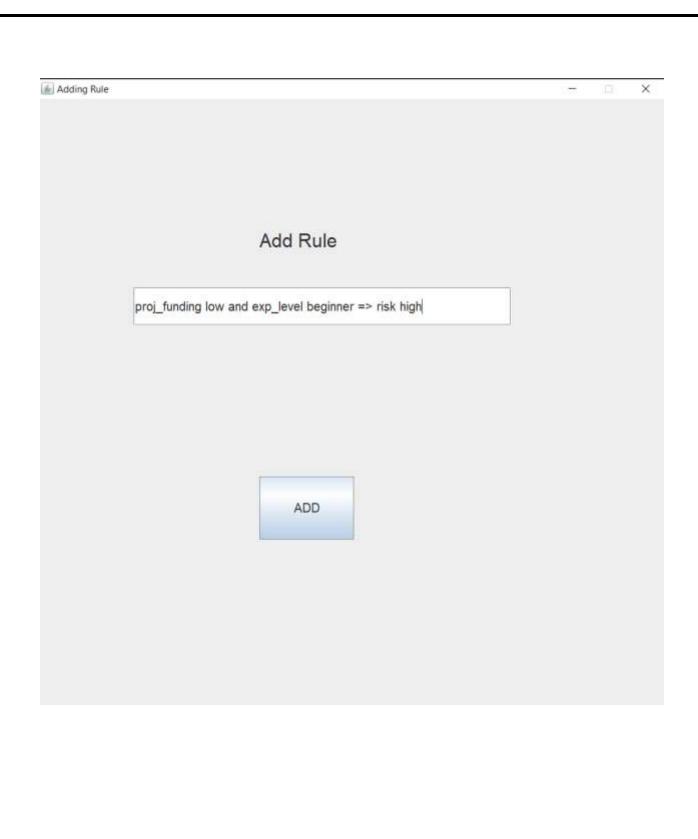
Adding Set		= 7	×
Variable Name	risk		
Set Name	high		
Set Type	TRI		
Dimension 1	50		
Dimension 2	100		
Dimension 3	100		
Dimension 4	Hint: If Set Type is TRAP		
	That if set type is trans		
	ADD		

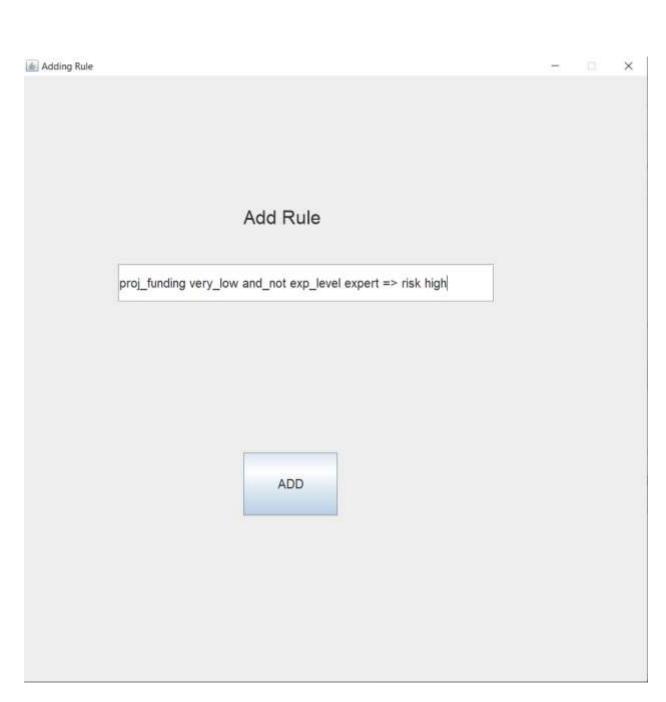
3: add rules



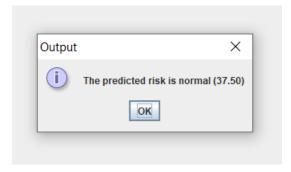






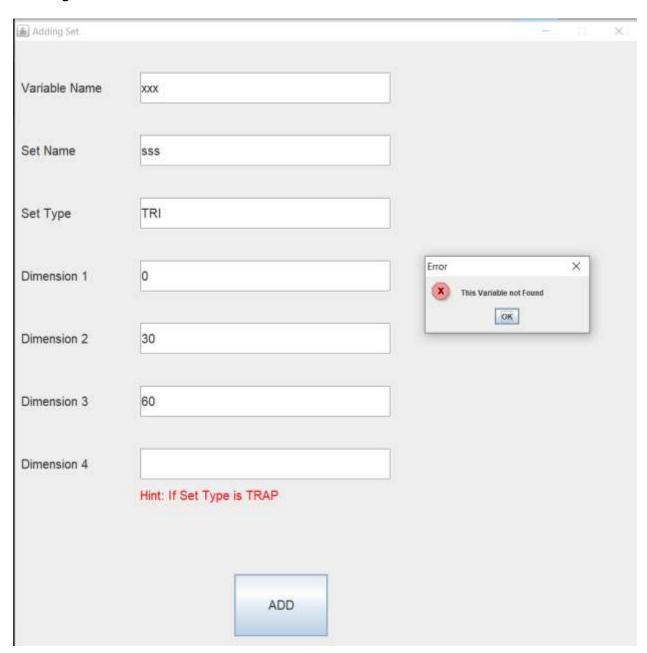


4: run the toolbox



Handling Errors:

1: adding set for nonexistent variable



2: running system without rules or variables

