

UNIVERSITY OF
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Informatics Institute of Technology
University of Westminster

Object Oriented Programming
5COSC019C

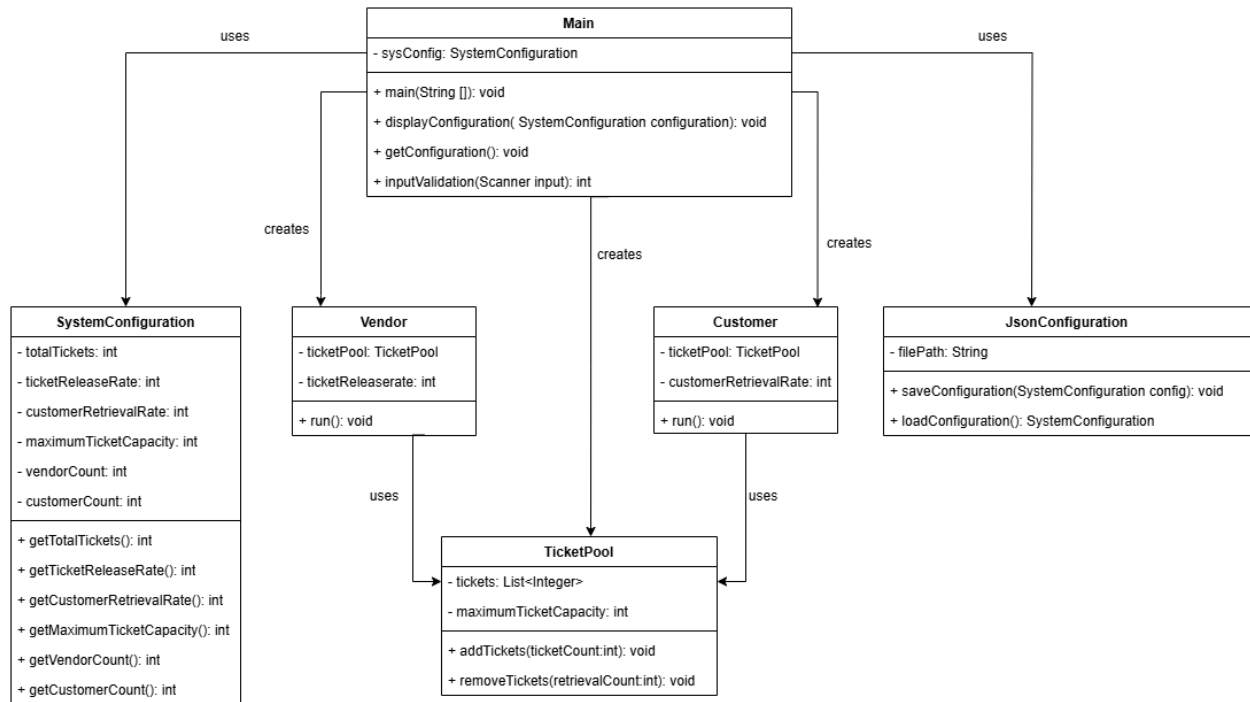
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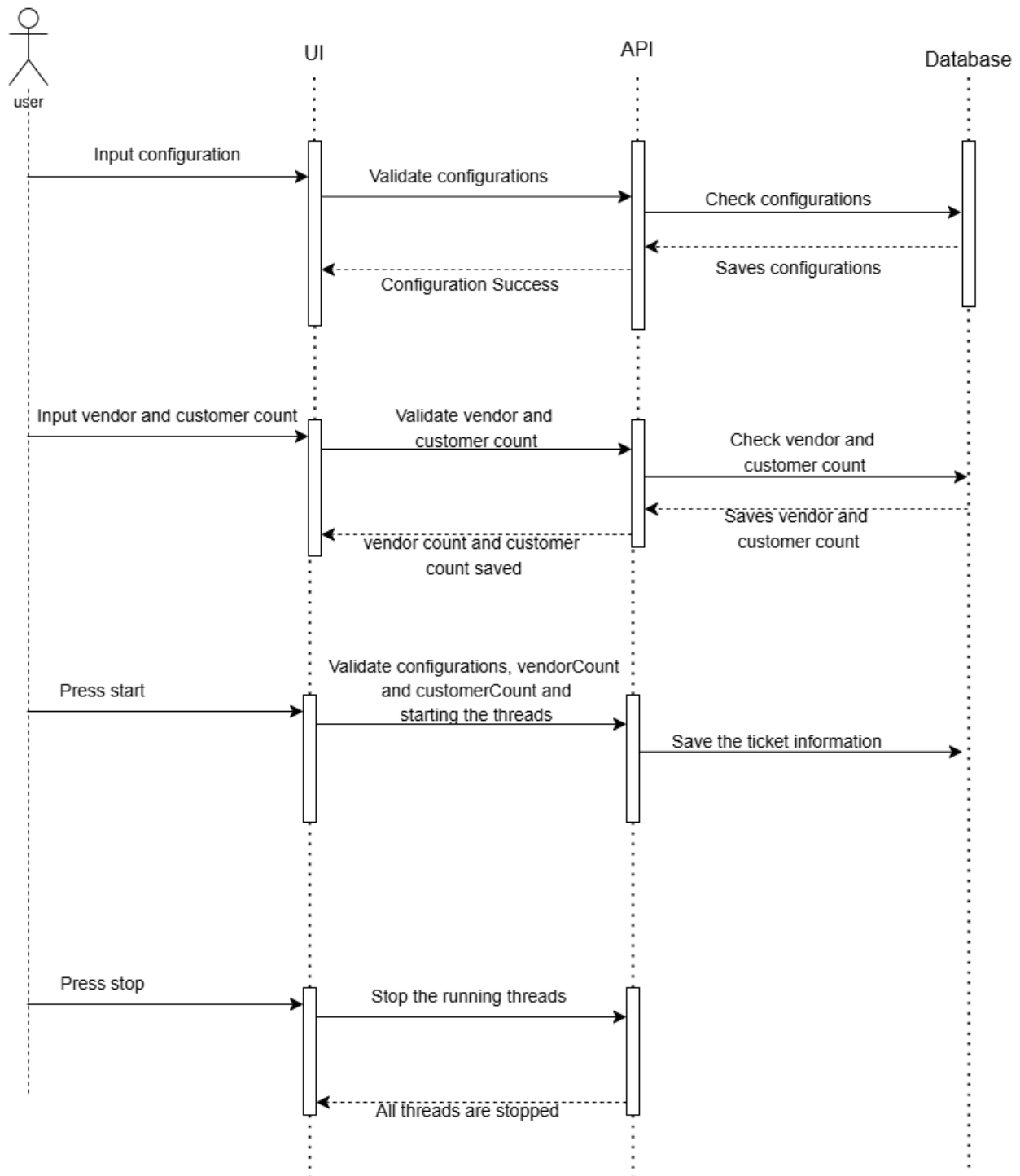
IIT number: 20230497

Tutorial group: SE-12

Class Diagram



Sequence diagram



Test Cases

Test Case	Input	Expected Output	Output	Pass/ Fail
Asking to load an existing configuration file	Y	"No JSON file is found in the folder. Create new configurations." Get new configuration.	"No JSON file is found in the folder. Create new configurations." Get new configuration.	pass
Asking to load an existing configuration file	Y	"Data Loaded successfully" And display configurations.	"Data Loaded successfully" And display configurations.	Pass
Asking to load configuration file	N	Get new configurations.	Get new configurations.	Pass
Asking menu options (S or Q)	S	Start simulation	Start simulation and display the transactions	Pass
Asking menu options (S or Q)	Q	Quit program	Stop all running threads and exit program.	Pass
Configuration validation	Any negative input	"Invalid input! Please enter a positive integer: "	"Invalid input! Please enter a positive integer: " And get a new input	Pass
Configuration validation	Strings	"Invalid input! Enter the value again: "	"Invalid input! Enter the value again: " And get a new input	Pass
Configuration validation	Positive integers	Proceed with the program	Proceed with the program	Pass
Asking Menu options	Any other value other than S or Q	"Invalid option! Try again"	"Invalid option! Try again"	Pass
Asking to load configuration file	Any other value other than Y or N	"Invalid option! Try again"	"Invalid option! Try again"	Pass

