

OOP Coursework 1 - Report

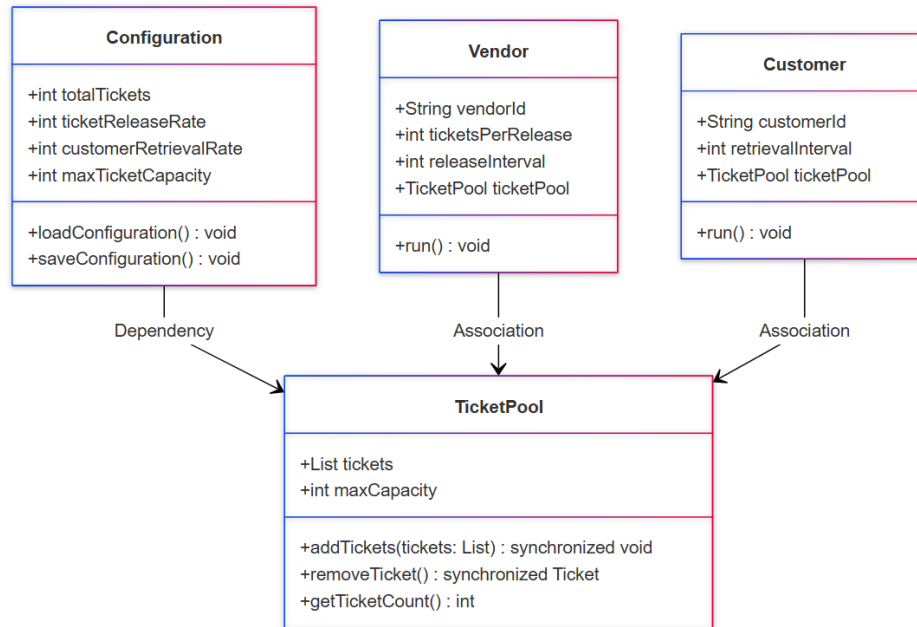
Real Time Booking System

Module name: Object Oriented Programming

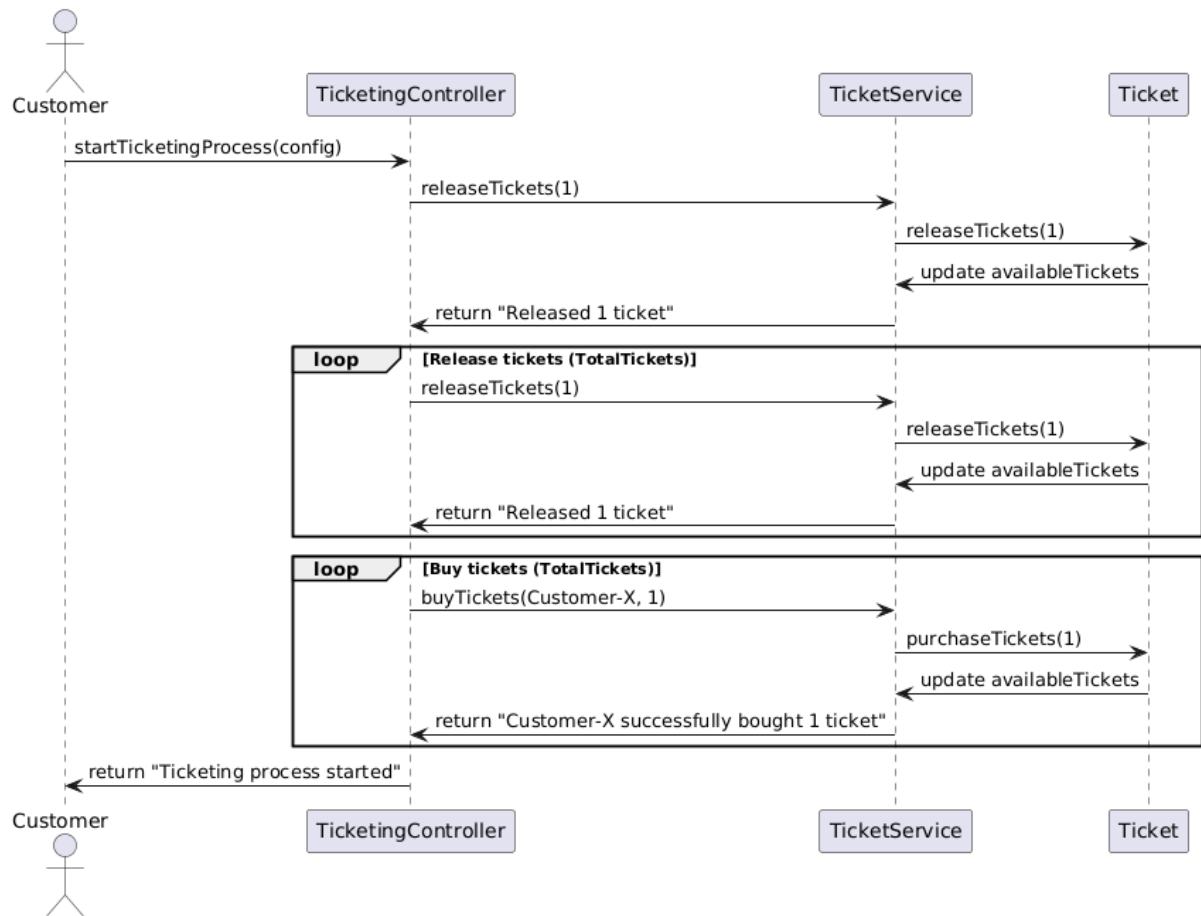
Module code: 5COSC019C

Module leader: Poravi Gunganathan

01.Class Diagram



02.Sequence Diagram



Test Case

Test Case ID	Test Case Name	Preconditions	Input Data	Expected Output	Actual Output
TC1	Release Single Ticket	Application is running and ticketing process is initialized	count = 1 (Release 1 ticket)	"Released 1 ticket"	✓
TC2	Release Multiple Tickets	Application is running and ticketing process is initialized	count = 5 (Release 5 tickets)	"Released 5 tickets"	✓
TC3	Buy Single Ticket - Success	At least 1 ticket is available	customer Name = "Customer-1", count = 1	"Customer-1 successfully bought 1 ticket."	✓
TC4	Buy Single Ticket - Insufficient Tickets	No tickets are available	customerName = "Customer-2", count = 1	"Not enough tickets available for Customer-2"	✓
TC5	Check Available Tickets	Tickets have been released	N/A	availableTickets = 100 (if no tickets bought yet)	✓
TC6	Buy Multiple Tickets - Success	Enough tickets are available	customerName = "Customer-1", count = 3	"Customer-1 successfully bought 3 tickets."	✓
TC7	Buy Multiple Tickets - Insufficient Tickets	Not enough tickets are available	customerName = "Customer-1", count = 10	"Not enough tickets available for Customer-1"	✓

Appendix



React.js Essential Training

Course completed by Suthais Noordeen
Oct 26, 2024 at 02:26PM UTC • 2 hours 1 minute

Top skills covered

React.js

A stylized, handwritten signature in black ink, appearing to read "Dan Ford".

Head of Global Content, Learning



Certificate ID: 0323c9ce892012338ff823a2d88cd9749534fdb18aa9db0154f3f78f43e919