Data Structures – Project 5 Grading Rubric

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Item	Points		Comments
	Earned	Possible	
Project arrived successfully - Contains all it should (.sln, .csproj, .cs, not .exe) - The zipped file is named according to conventions described in the Course Facts - Submission specifies all contributors properly	5	5	
Program compiles and builds without errors - Compiles without errors - Warnings are minimal/may be safely ignored - Build successful - Includes all assigned features	10	10	
Documentation - Each file has appropriate header comments - Methods have header block comments - Individual comments used appropriately	5	10	All files and methods need to be commented.
Main Form or Main Program - Windows Forms or menu-driven console application - Interaction is user-friendly and easy to understand the results - Allows user to set number of queues, number of customers, expected service time, hours of operation - Simulation makes appropriate use of List<Queue<Customer>> and PriorityQueue<Event> - Random Arrival Times are from uniform distribution and Service Times are from (negative) exponential distribution with appropriate expected value and minimum times	10	15	Doesn't allow setting number of queues, number of customers, expected service time, hours of operation. Simulation using PQ is incomplete.
Customer Class • Maintains at least ID, service time, and Queue number properties	10	10	
Event Class • Maintains customer information, event time, event type properties • Implements IComparable interface appropriately	15	15	
Simulation Display • The display produced during the simulation is reasonably "user friendly" • Display provides enough information to convince user of the validity of the results	7	15	No display seen.
Results are correct - Program runs without crashes - Assumptions and results are properly documented in the "letter to the employer" - Results are correct	10	20	
Total	72	100	
Early Bonus (2 pts/day up to 10 pts)			