Spring 2025 Operating Systems

## CSSE 332 -- OPERATING SYSTEMS

## Producer Consumer Problem

	Name:
dow	on 1. (5 points) For the problem where we have one produce and one consumer, write the state of the world or the concurrency state. Make sure to provide a description state variable as well as its type and <b>default value</b> .
Questic	on 2. (5 points) Based on your answer to the first question, write down the waiting con-
	ns for each of the producer and the consumer threads. Feel free to write it in pseudo-cocvoid unnecessary clutter due to pthreads syntax.
Wai	ting conditions for the producer thread:
Wai	ting conditions for the consumer thread:

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Spring 2025 OPERATING SYSTEMS Question 3. (5 points) Briefly explain the changes that would need to be made to your approach once more consumers are added to the problem. Question 4. (5 points) In the space below, write down the condition variables commandements that should always be honored when solving concurrency problems in this class.

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