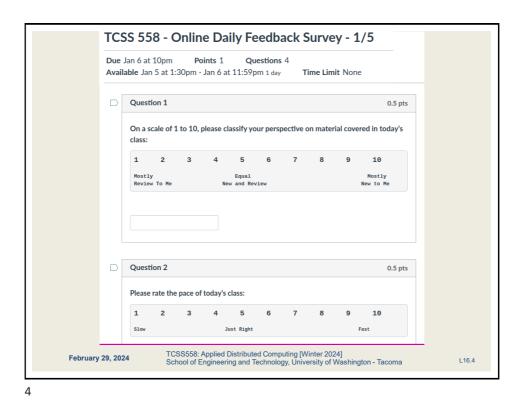
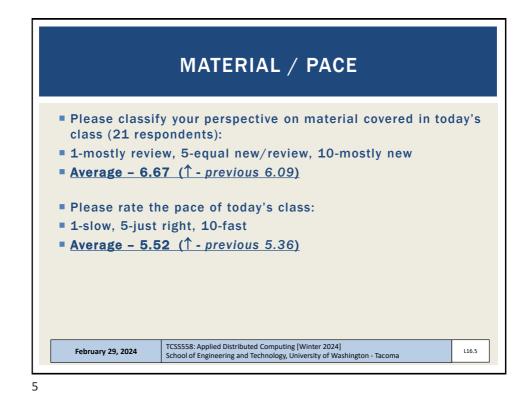
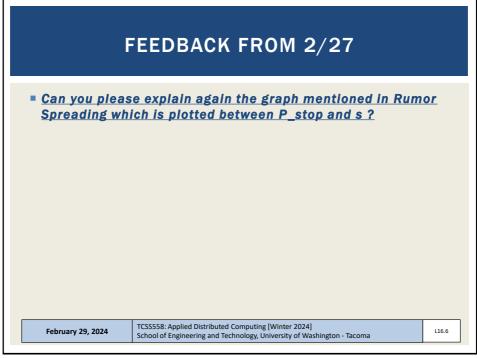
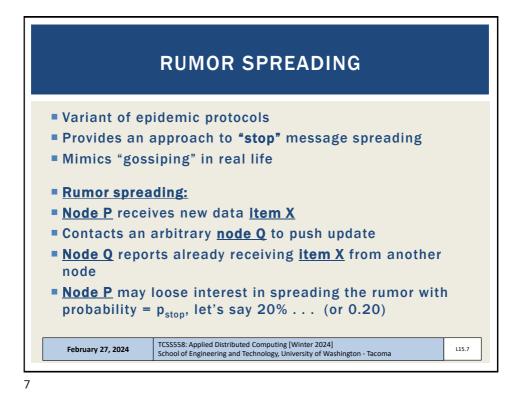


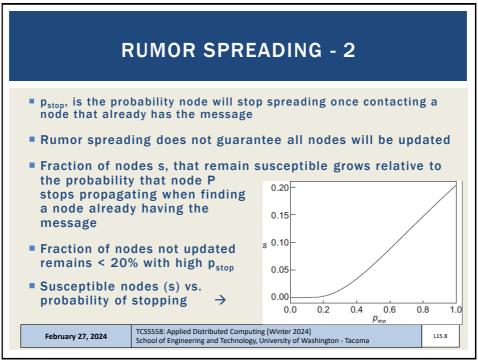
ONLIN	E DAILY FI	EEDBACK SURVEY
 Daily Feedback Quiz in Canvas – Available After Each Class Extra credit available for completing surveys <u>ON TIME</u> Tuesday surveys: due by ~ Wed @ 10p Thursday surveys: due ~ Mon @ 10p 		
	≡ TCSS 558 A >	Assignments
	Winter 2021 Home	Search for Assignment
	Announcements Assignments	 Upcoming Assignments
	Zoom Chat	TCSS 558 - Online Daily Feedback Survey - 1/5 Not available until Jan 5 at 1:30pm Due Jan 6 at 10pm -/1 pts
February 29, 2024	TCSS558: Applied Distributed (School of Engineering and Tecl	Computing [Winter 2024] hnology, University of Washington - Tacoma

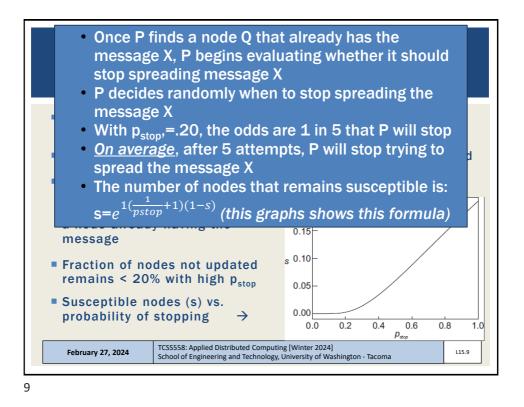


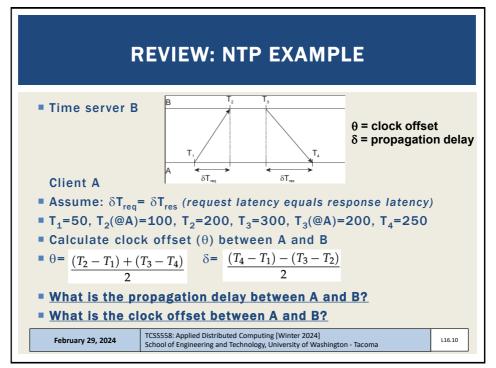








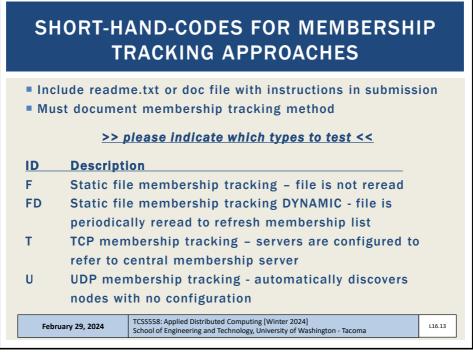


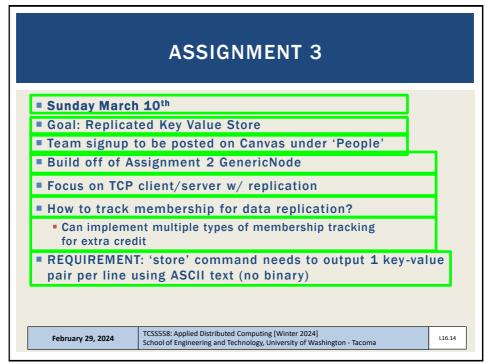


	Activities Ø Visual settings Ø	3 Edit <
CoŪ [→	When poll is active respond at PollEx.com/wesiloyd Send wesiloyd to 22333	
	Are you working to submit a MS Thesis or Capstone proposal this Qua	arter ?
	Yes, an MS thesis proposal	
	Yes, an MS capstone proposal	
	No. not this guarter, but late	•
	Current responses	
	Response options	Count %

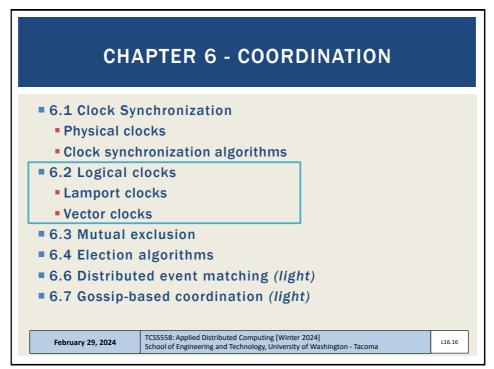




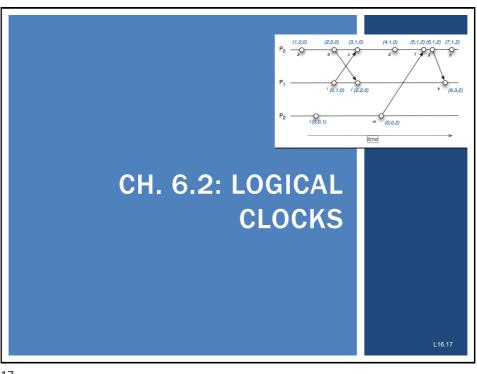


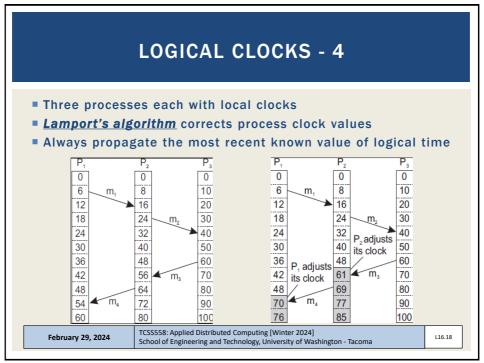


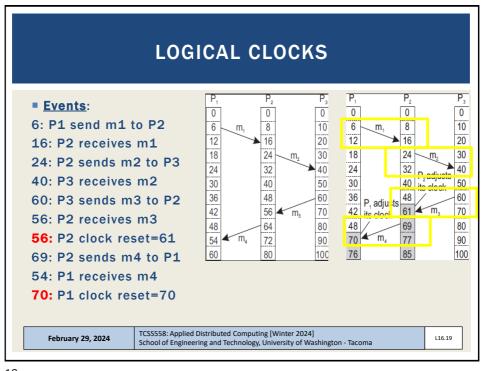
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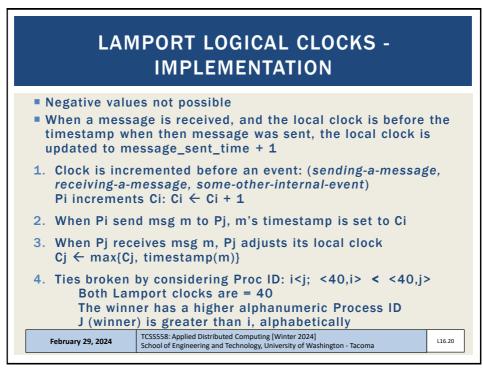


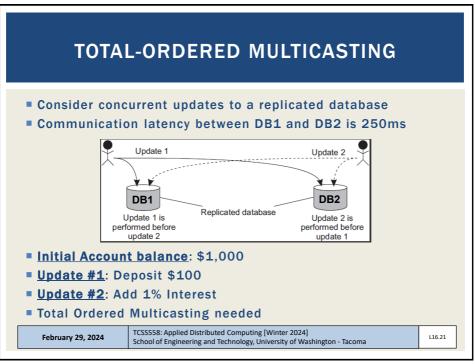


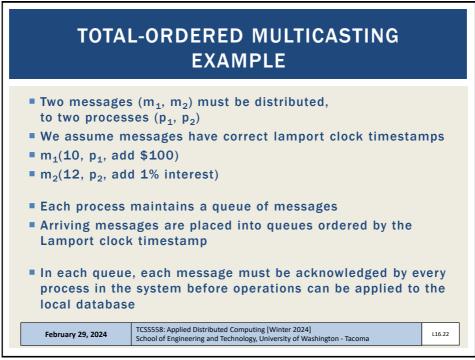


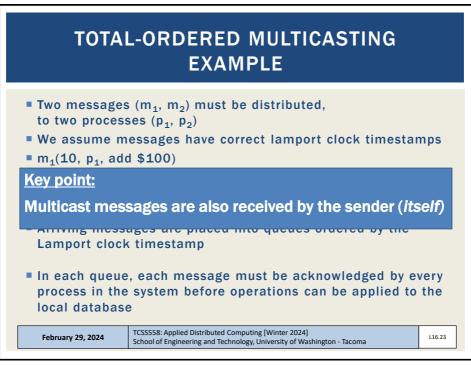


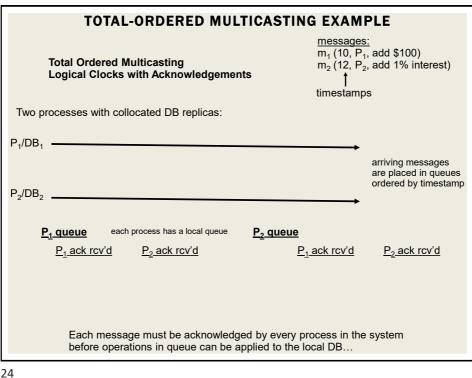


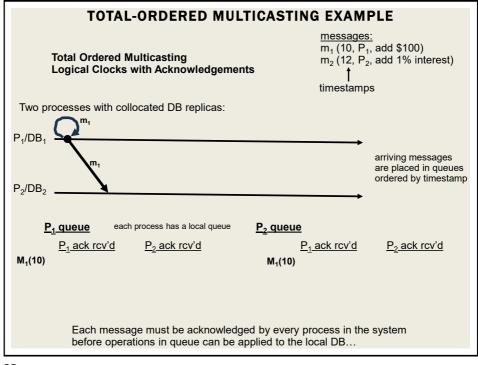




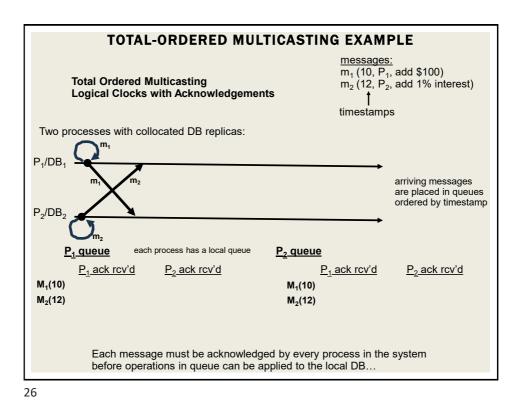


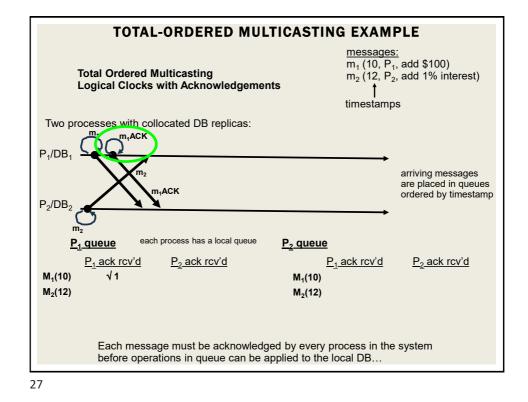


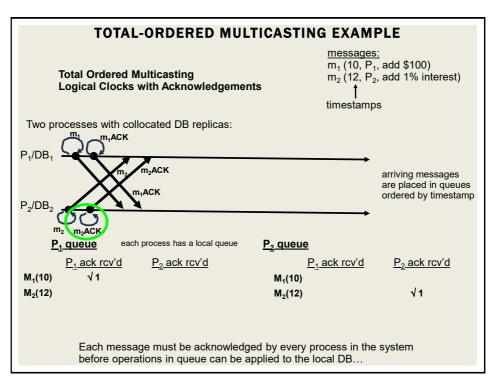


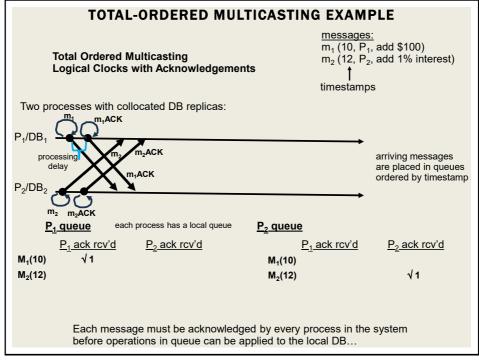


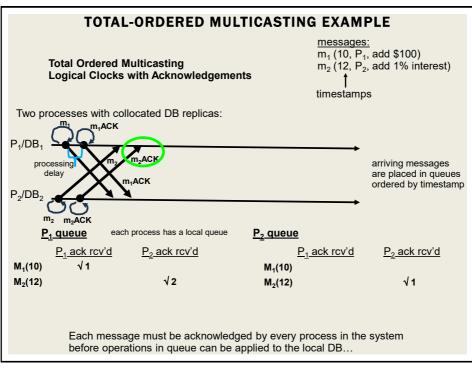


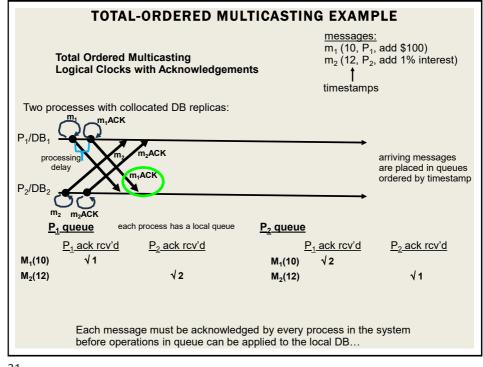




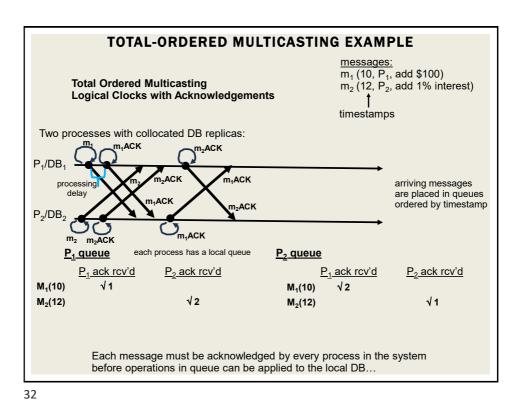


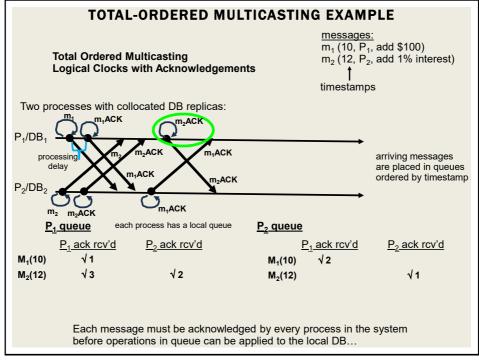


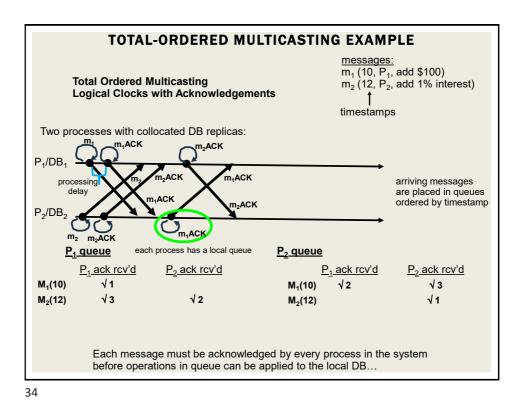


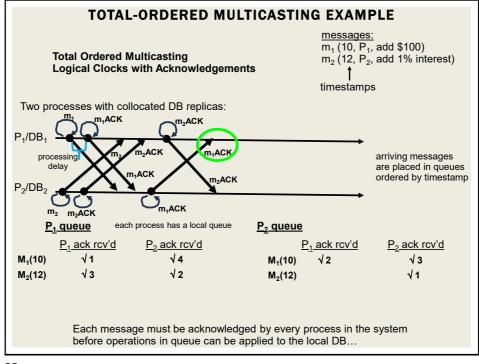


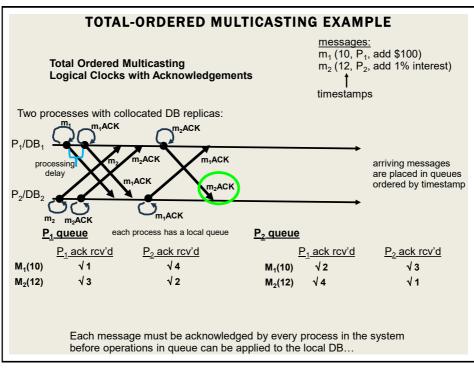


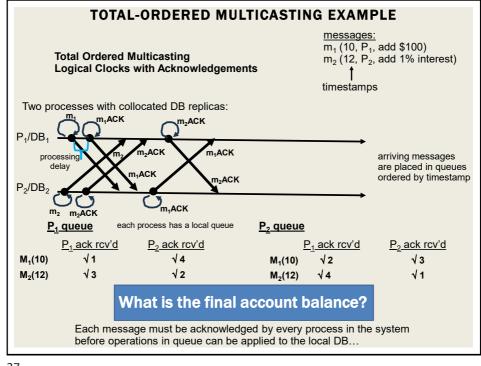


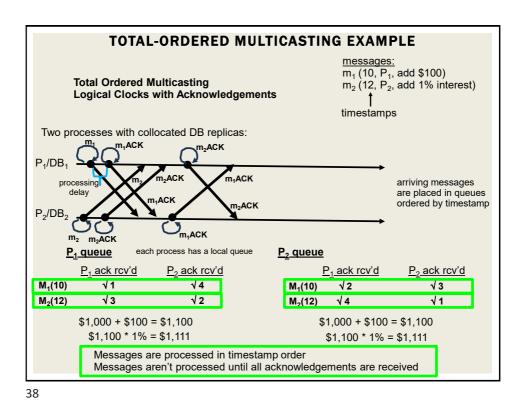


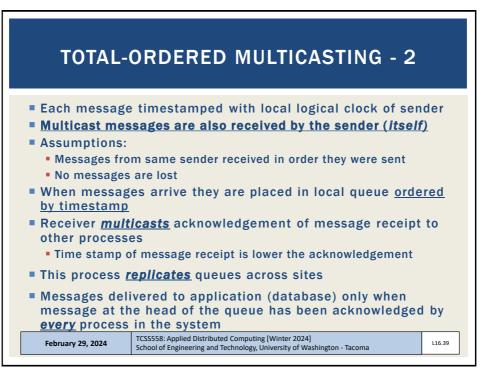


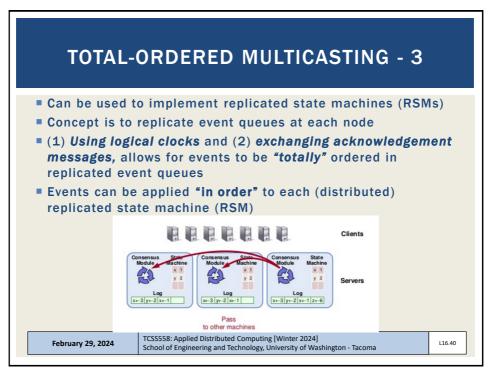




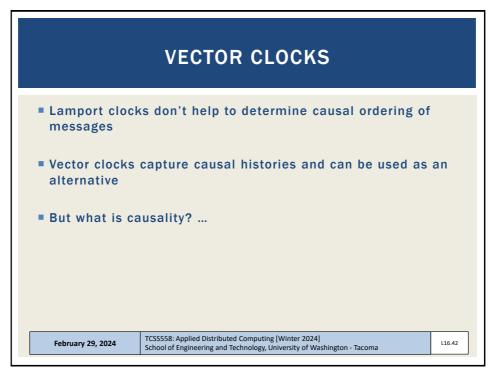




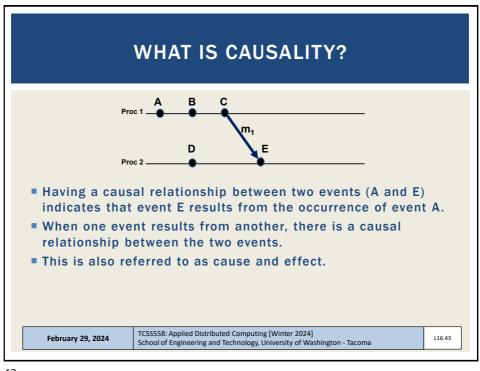


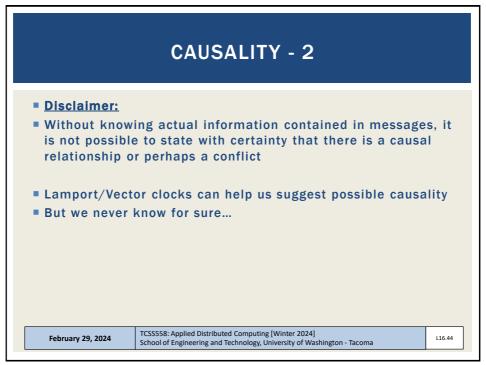


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Chapter 6.2: Logical Clocks	
Vector Clocks	
Class Activity 4 – Total Ordered Multicasting	
Chapter 6: Coordination	
Chapter 6.3: Distributed Mutual Exclusion	
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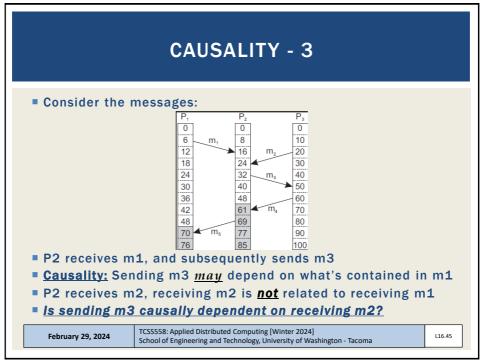


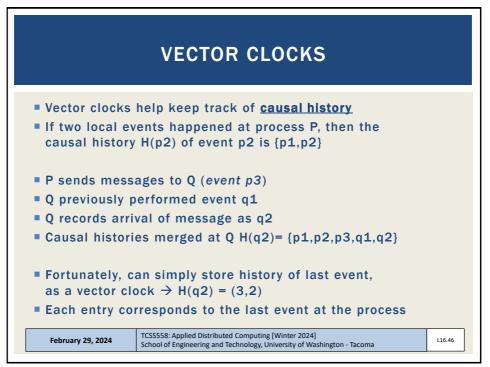




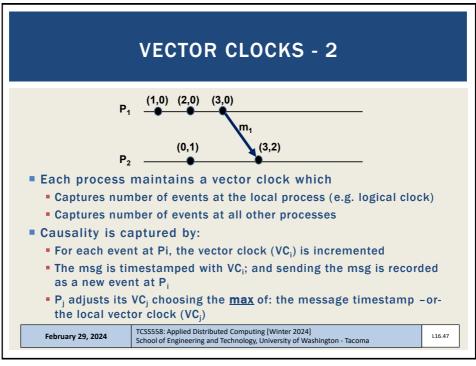


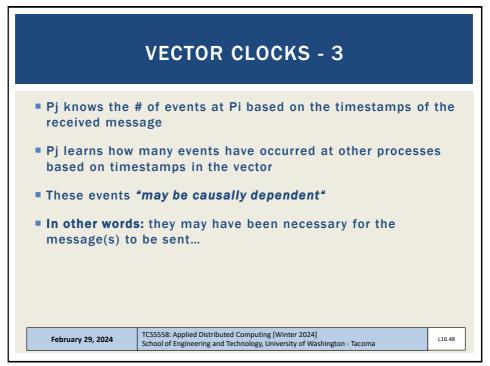




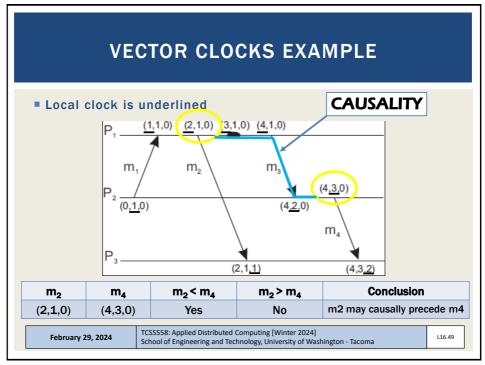


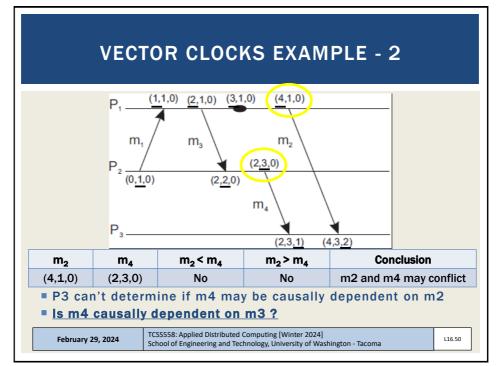


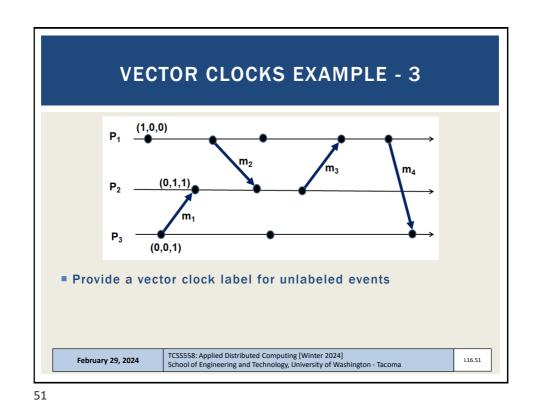




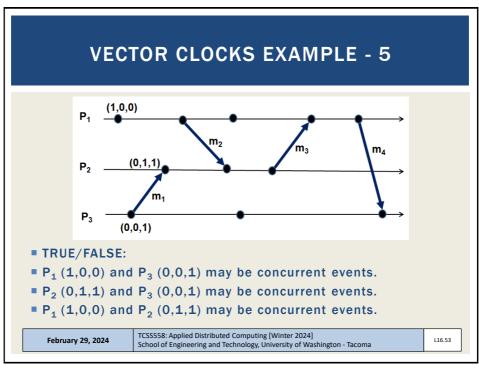






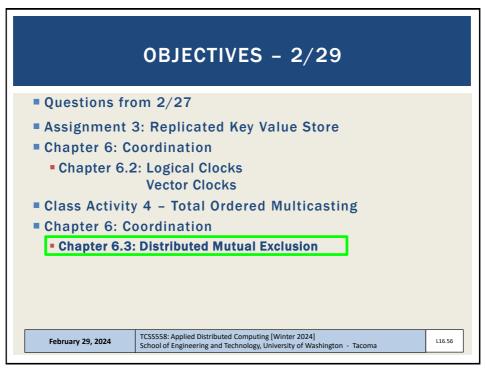


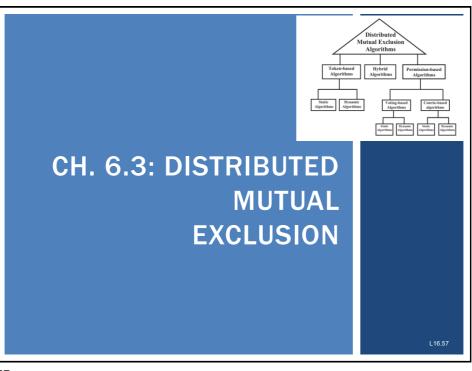
VECTOR CLOCKS EXAMPLE - 4 (1,0,0) P₁ m₂ m₄ (0,1,1) P_2 m P_3 (0,0,1)TRUE/FALSE: The sending of message m₃ is causally dependent on the sending of message m1. The sending of message m₂ is causally dependent on the sending of message m1. TCSS558: Applied Distributed Computing [Winter 2024] School of Engineering and Technology, University of Washington - Tacoma February 29, 2024 L16.52

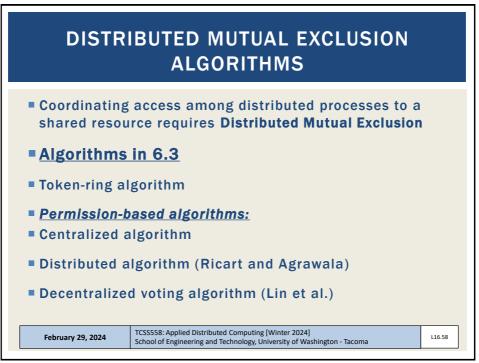


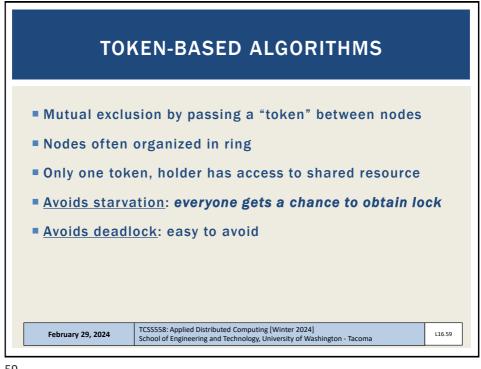


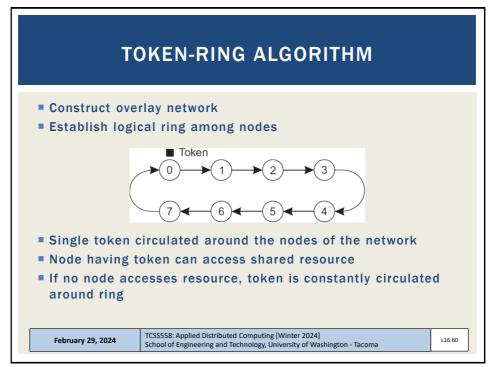
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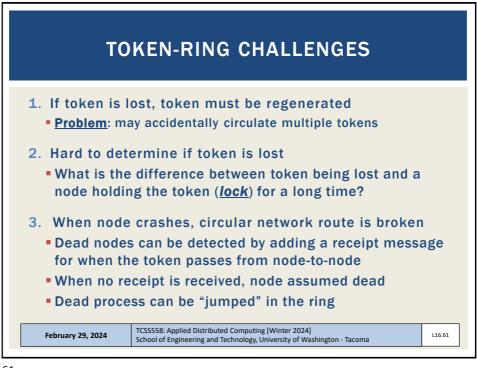


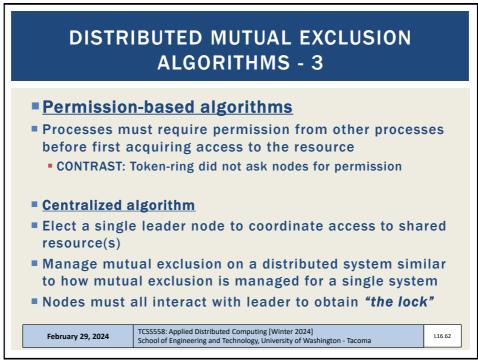


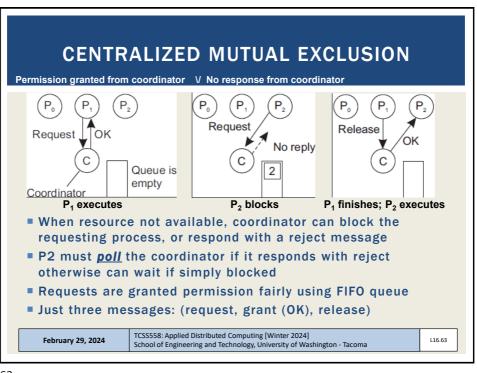


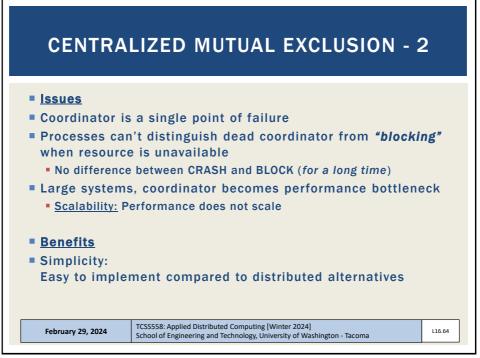




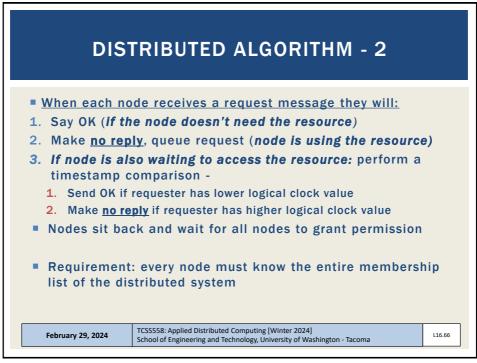


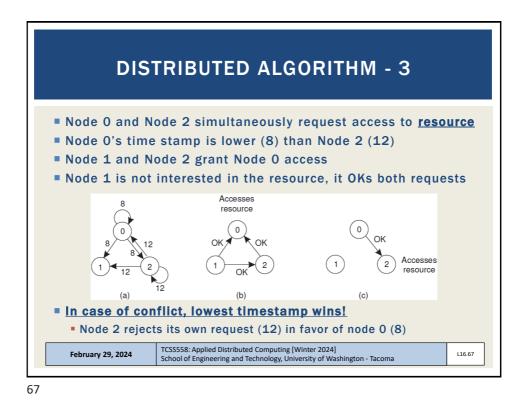


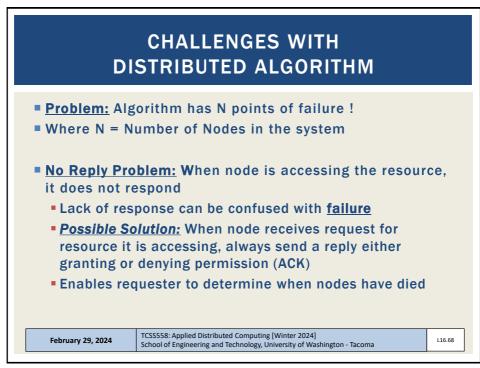


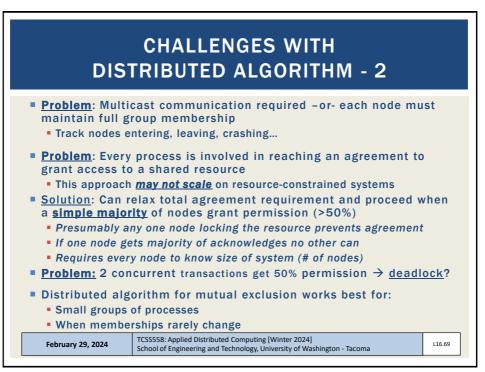


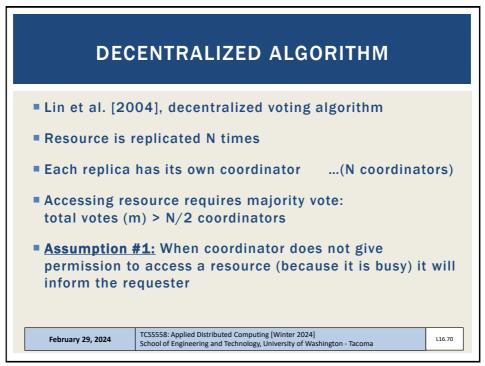
DISTRIBUTED ALGORITHM	
 Ricart and Agrawala [1981], use total ordering of all events Leverages Lamport logical clocks 	
Package up resource request message (AKA Lock Request)	
Send to all nodes	
Include:	
Name of resource	
Process number	
 Current (logical) time 	
Assume messages are sent reliably	
No messages are lost	
February 29, 2024 TCSS558: Applied Distributed Computing [Winter 2024] School of Engineering and Technology, University of Washington - Tacoma L16.65	

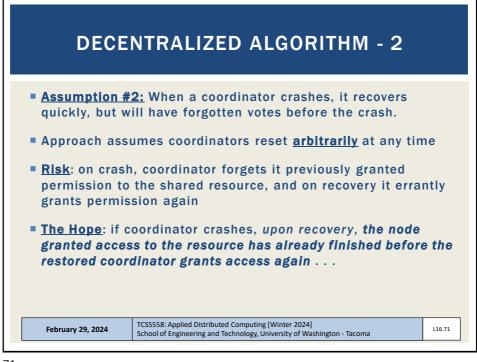


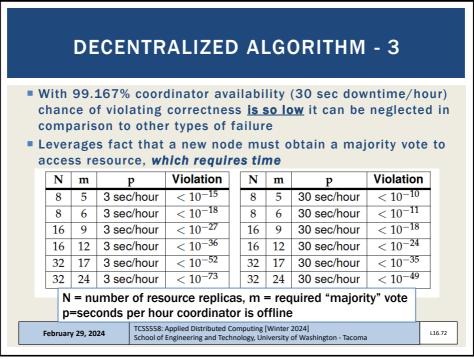


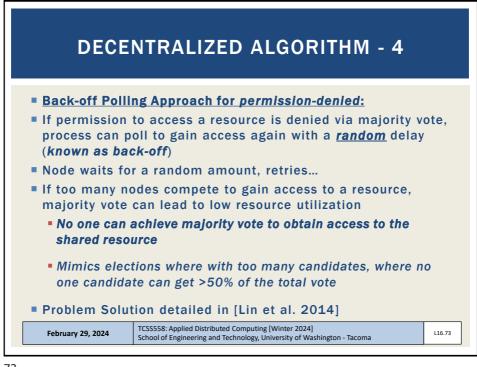


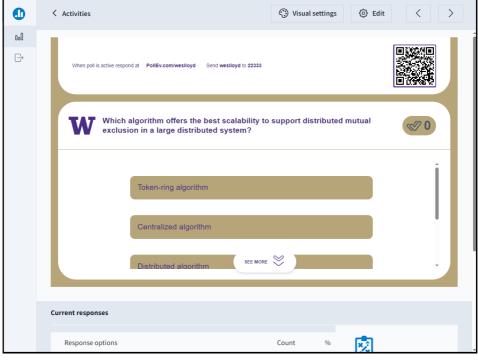












D	
₀₀0 [->	When poll is active respond at PollEv.com/wesiloyd Send wesiloyd to 22333
	Which algorithm(s) involve blocking (no reply) when a resource is not available? (check all that apply)
	Token-ring algorithm
	Centralized Algorithm
	Distributed algorithm SEE MORE 📚
	Current responses
	Response options Count %

٥	C Activities Image: Constraint of the setting of the sett
0₀0 [}	When poll is active respond at PollEv.com/wesiloyd Send wesiloyd to 22333
	Which algorithm(s) involve arriving at a consensus (majority opinion) to determine whether a node should be granted access to a resource? (check all that apply)
	Token-ring algorithm
	Centralized algorithm
	SEE MORE
	Current responses
	Response options Count %

TCSS 558: Applied Distributed Computing [Winter 2024] School of Engineering and Technology, UW-Tacoma

	C Activities Image: Constraint of the setting of the sett
C→	Join by Web PollEv.com/wesiloyd Join by Text Send wesiloyd to 22333
	Which algorithm(s) have N points of failure, where N = Number of Nodes in the system? (check all that apply)
	Token-ring algorithm
	Centralized algorithm
	Distributed algorithm
	Response options Count %

