



 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 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
March 9, 2023 TCSSS58: Applied Distributed Computing [Winter 2023] School of Engineering and Technology, University of Washington - Tacoma L19.3

Avai	Jan 6 at lable Jar	10pm 15 at 1:	Po 30pm -	ints 1 Jan 6 at	Q u t 11:59p	om 1 day	4 T	ime Lim	it None	2
D	Quest	ion 1								0.5 pt
	On a s class:	cale of 1	l to 10, p	lease cl	assify yo	our persp	ective o	on mater	ial cove	red in today's
	1	2	3	4	5	6	7	8	9	10
	Mostly Review	/ v To Me		Ne	Equal w and Rev	/iew				Mostly New to Me
D	Quest	ion 2								0.5 pt
	Please	rate the	pace of	today's (class:					
	1	2	3	4	5	6	7	8	9	10
	Slow			J	ust Right				F	ast































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 The higher numbered process then holds an election with <u>only</u> higher numbered processes (nodes). Eventually all processes give up except one, and the remaining process becomes the new coordinator. The coordinator announces victory by sending all processes a message stating it is starting as the coordinator. If a higher numbered node that was previously down comes back up, it holds an election, and ultimately takes over the back up.
 Eventually all processes give up except one, and the remaining process becomes the new coordinator. The coordinator announces victory by sending all processes a message stating it is starting as the coordinator. If a higher numbered node that was previously down comes back up, it holds an election, and ultimately takes over the back up.
 The coordinator announces victory by sending all processes a message stating it is starting as the coordinator. If a higher numbered node that was previously down comes back up, it holds an election, and ultimately takes over the back up.
If a higher numbered node that was previously down comes back up, it holds an election, and ultimately takes over the
coordinator role.
The process with the "biggest" ID in town always wins.
Hence the name, <u>bully algorithm</u>
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MULTI-TIERED ARCHITECTURE
 Consider a multi-tiered software architecture consisting of three distinct components: a web application server, a relational database server, and a log server. Describe the differences between a vertical distribution and a horizontal distribution of these components (Lecture 6)? Address the implications of these distributions for scalability
Web application server:
Relational database server:
Log server:
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DISTR	QUESTION 5: IBUTED MUTUAL EXCLUSION
	P ₁ P ₂ P ₃ P ₄ C Queue
List one adva distributed m	ntage, and one disadvantage for centralized utual exclusion:
Advantage:	Disadvantage:
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