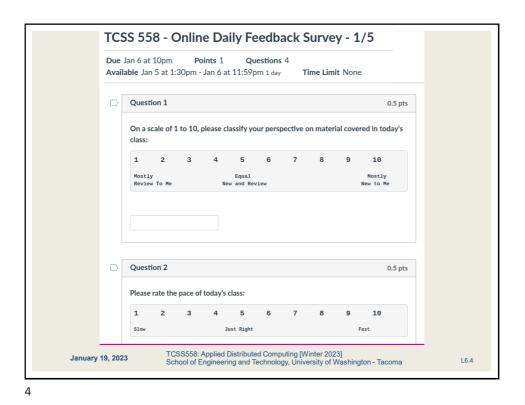
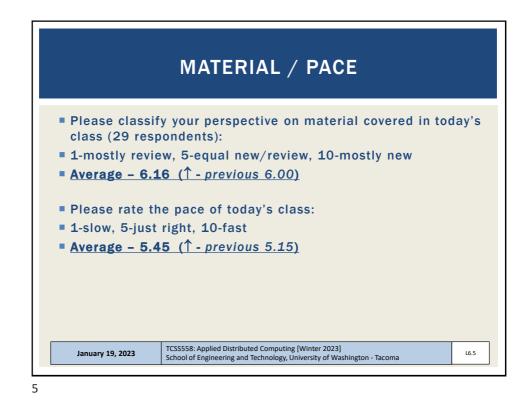
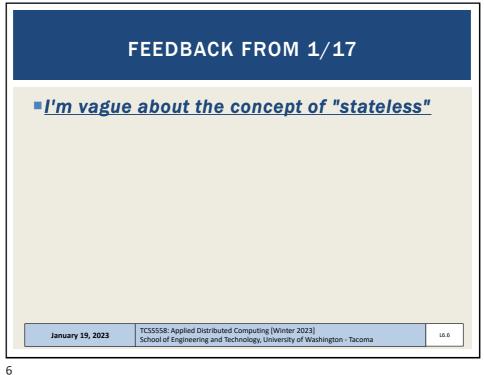
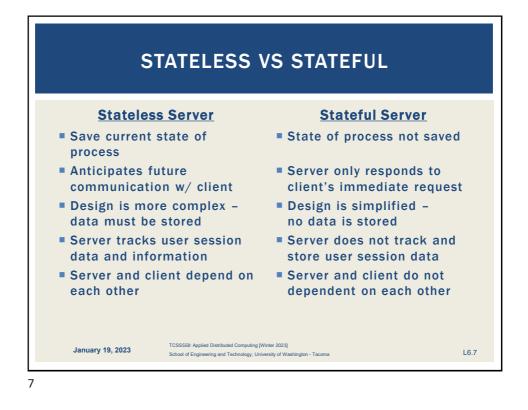


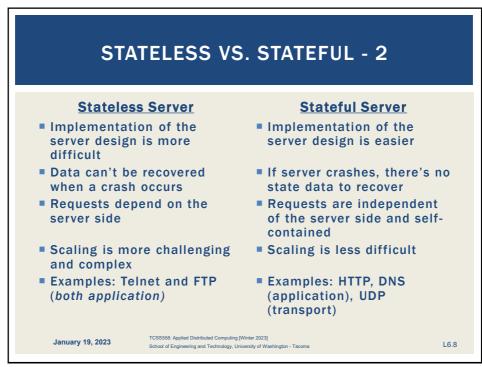
ONLINE DAILY FEEDBACK SURVEY				
 Daily Feedback Quiz in Canvas – Available After Each Class Extra credit available for completing surveys <u>ON TIME</u> Tuesday surveys: due by ~ Wed @ 10p Thursday surveys: due ~ Mon @ 10p 				
TCSS 558 A > Assignments				
Winter 2021 Search for Assignment Home				
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				
January 19, 2023 TCSS558: Applied Distributed Computing [Winter 2023] School of Engineering and Technology, University of Washington - Tacoma L6.3				



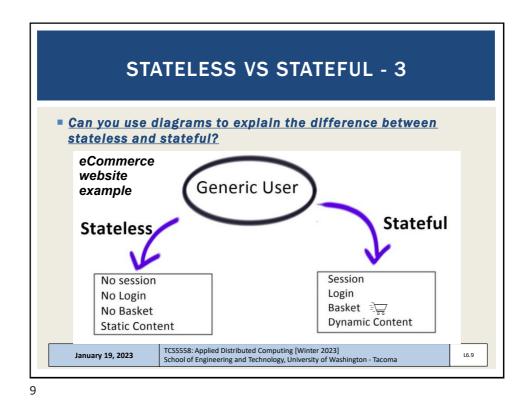


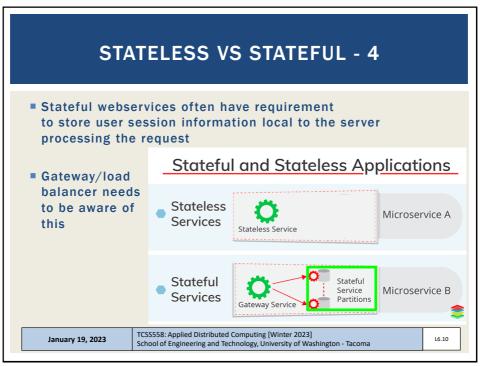


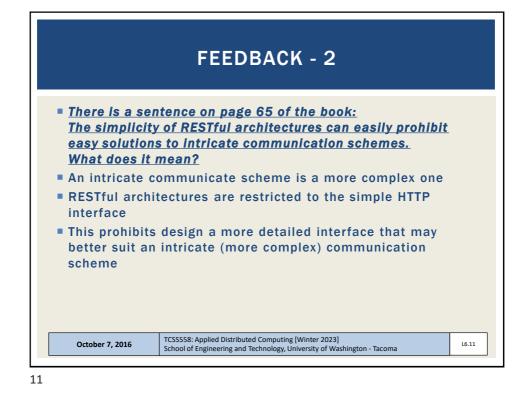












 FEEDBACK - 3

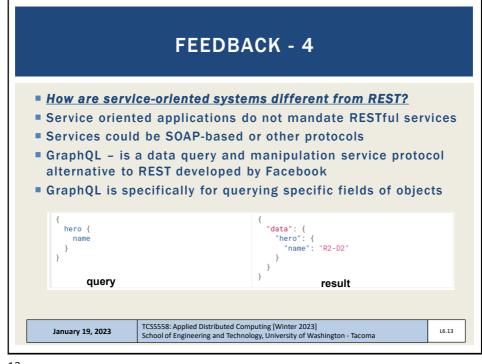
 • There is a sentence on page 65 of the book: The simplicity of RESTful architectures can easily prohibit easy solutions to intricate communication schemes. What does it mean?

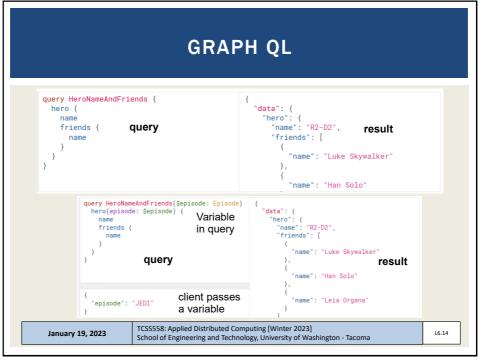
 • Alternatively, SOAP allows a custom API to be defined

 • Not sure GET, POST, PUT, DELETE

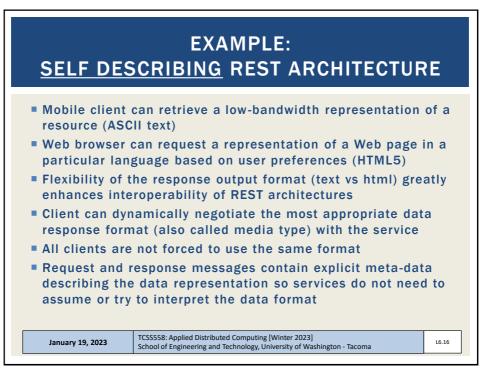
 • With RESTful services we create more services with specific names and functions vs. define uniquely named actions within a service

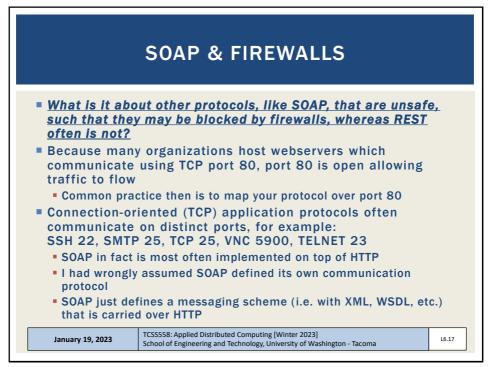
 • RESTful services therefore don't map directly to 00 schemes

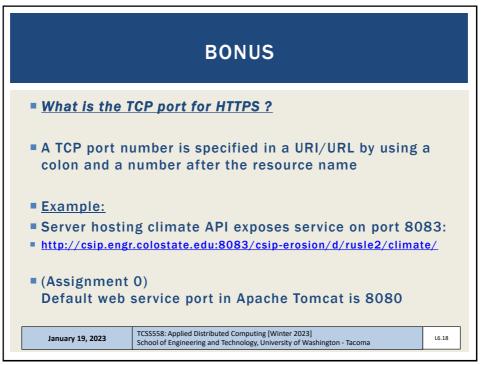


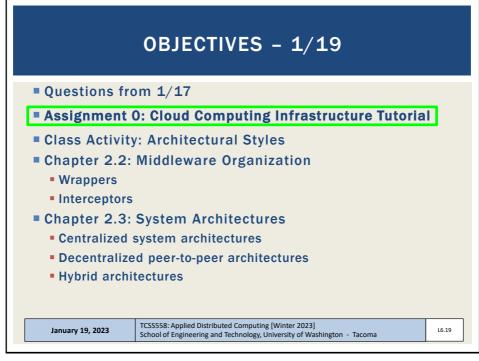


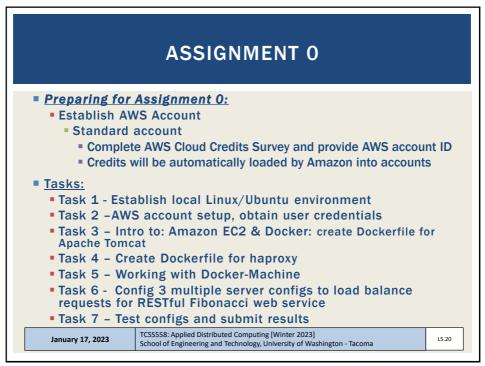
FEEDBACK - 5				
What is meant by "Messages to/from a service are fully described" (slide L5.23 about REST services)? How are they				
described?				
"Fully described" implies that REST supports				
Self-Describing Messages				
Services interact by exchanging request and response messages, which contain both the data (or the representations				
of resources) and the corresponding meta-data.				
Representations can vary according to the client context, interests, and abilities.				
 <u>Self-describing</u> means there is no need for a definition file (WSDL) or any other messages to support the web service transaction 				
Everything is complete and contained in the single client-to- server request (everything is self contained)				
Nothing else is required				
The structureless next of JSON objects help enable this				
January 19, 2023	TCSS558: Applied Distributed Computing [Winter 2023] L6.15 School of Engineering and Technology, University of Washington - Tacoma L6.15			

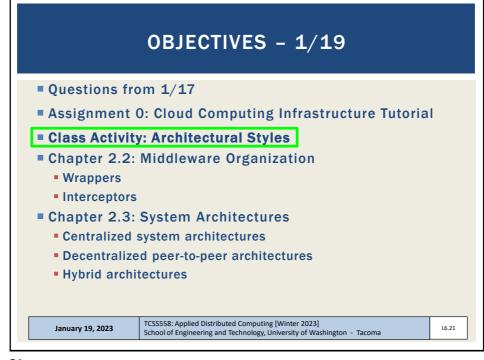




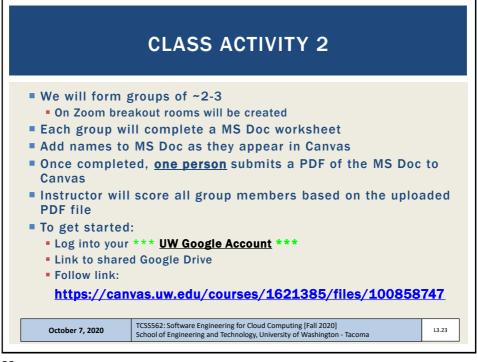


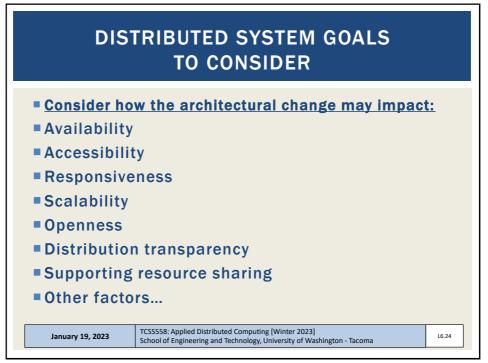




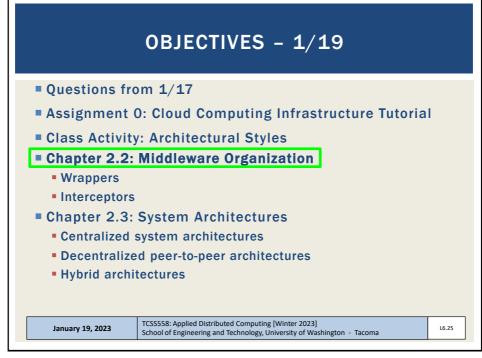


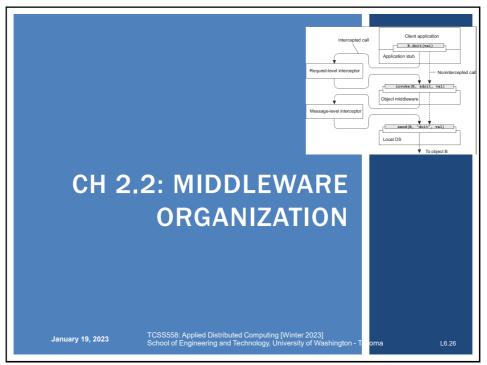




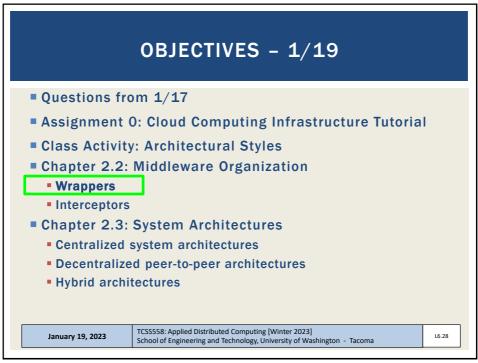


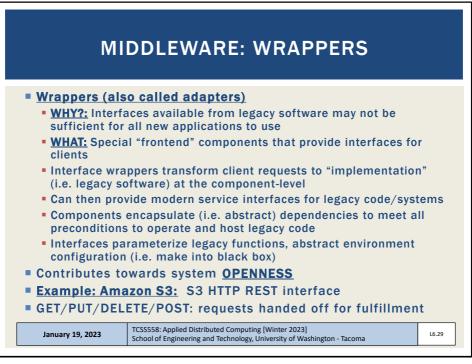


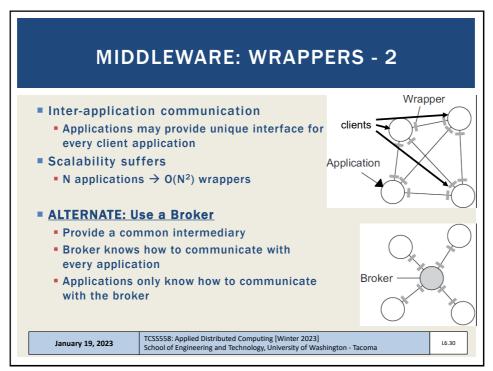




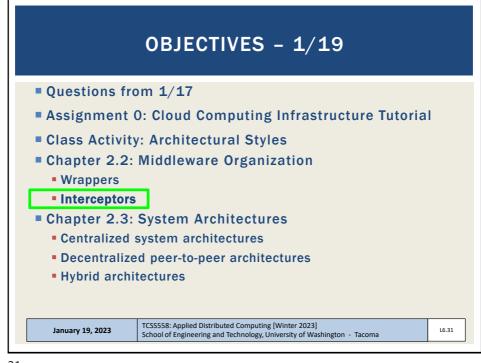


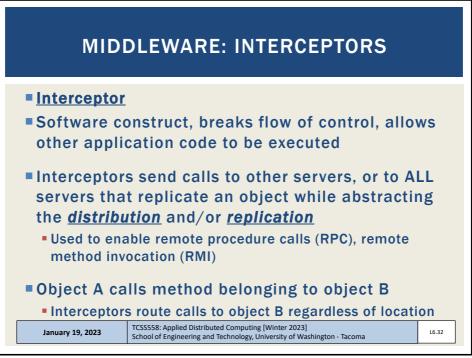


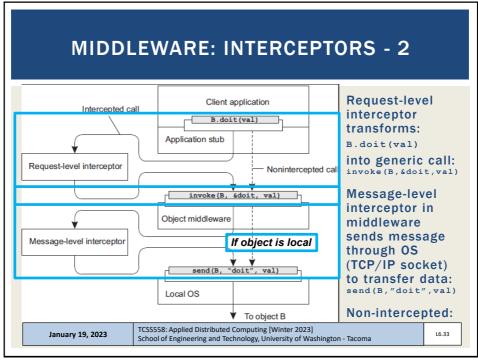


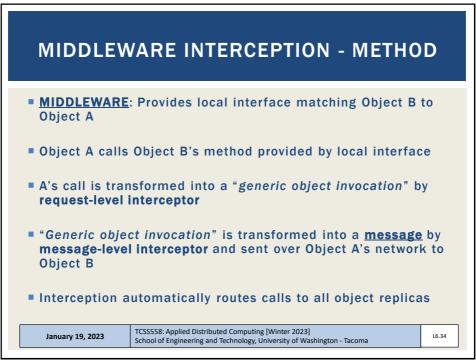


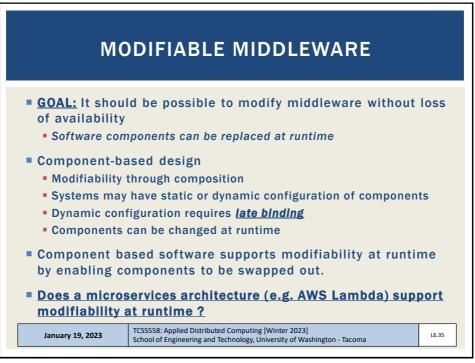




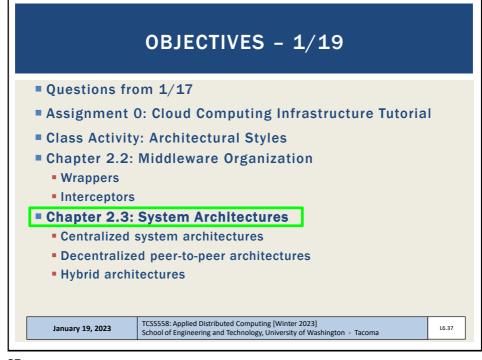


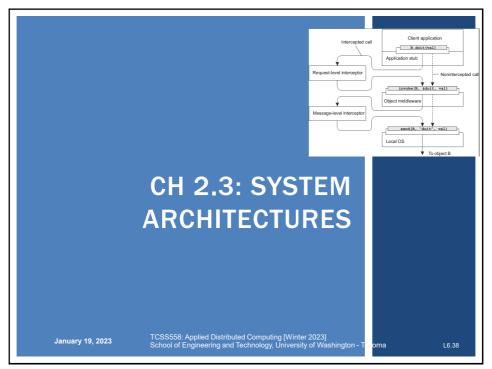


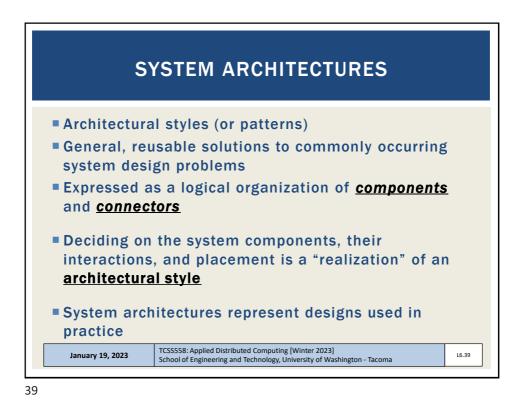


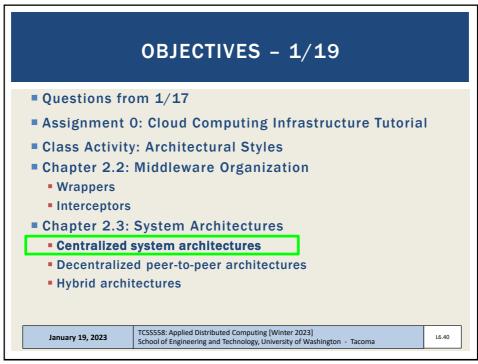


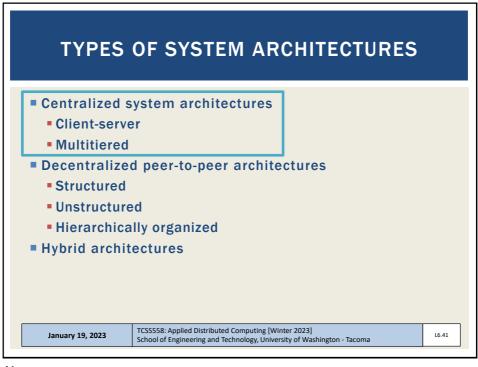


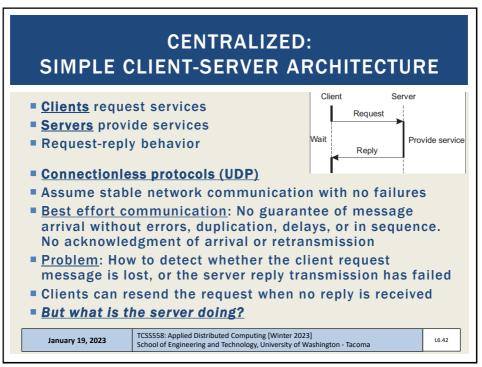




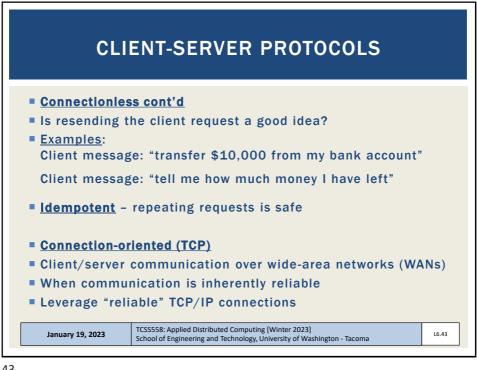




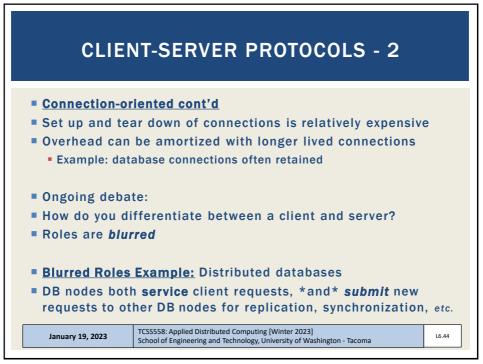




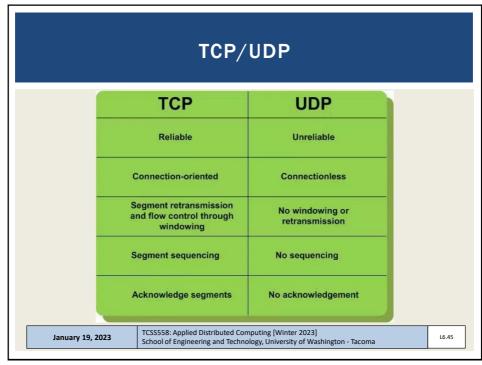


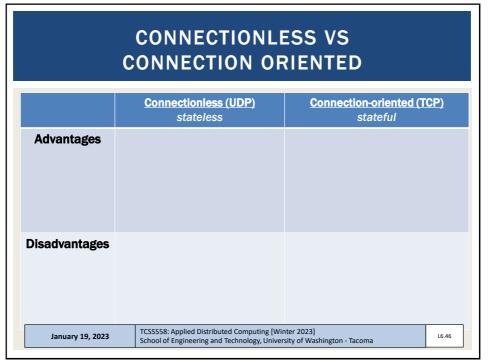




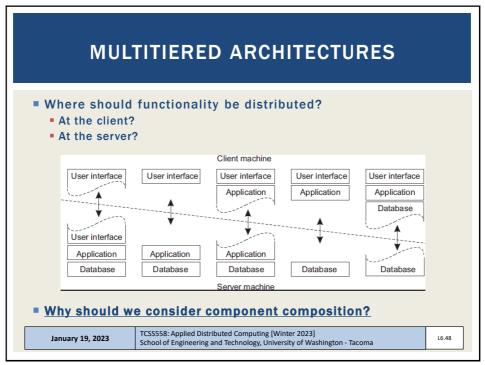








CONNECTIONLESS VS CONNECTION ORIENTED			
	<u>Connectionless (UDP)</u> stateless	Connection-oriented (TCP) stateful	
Advantages	 Fast to communicate (no connection overhead) Broadcast to an audience Network bandwidth savings 	 Message delivery confirmation Idempotence not required Messages automatically resent if client (or network) is temporarily unavailable Message sequences guaranteed 	
Disadvantages	 Cannot tell difference of request vs. response failure Requires idempotence Clients must be online and ready to receive messages 	 Connection setup is time- consuming More bandwidth is required (protocol, retries, multinode- communication) 	
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SC1 MD FL SC2 SC3 MD FL SC3 MD FL	SC4 MDFL
	n k
Bell's Number:	4 15
k: number of ways	5 52
n components can be	6 203
distributed across containers	7 877
	8 4,140
	9 21,14 7
	n
SC14 MD L ML F L ML L L ML L	U 1

