[Fall 2021]



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OBJECTIVES - 12/2

- Questions from 11/30
- Presentation Questions; Quiz 2 to be posted Dec 6
- Tutorial 7/8/9 Due Dec 7, Dec 17, Dec 17
- A2 Term Project Paper Due Dec 17
- A3 Term Project Lightning Presentation Dec 14
- Tutorial 10 no submission
- Group 3- Faster and Cheaper Serverless Computing on Harvested Resources

Bob Schmitz, Viktoriya Grishkina, Danielle Lambion

Group 7- Duet Benchmarking: Improving Measurement Accuracy in the Cloud

Andrew Lim, Di Mo, Solmaz Seyed Monir

 Group 8- Resource Management for Cloud Functions with Memory Tracing, Profiling and Autotuning

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		FEEDBACK SURVEY			
Extra Credit for completing	Announcements	Take After Each Class Upcoming Assignments Class Activity 1 - Implicit vs. Explicit Parallelism Available until Oct 11 at 11:59pm Due Oct 7 at 7:50pm -/10 pts Tutorial 1 - Linux Available until Oct 19 at 11:59pm Due Oct 15 at 11:59pm -/20 pts			
	Pages Files Quizzes Collaborations UW Libraries UW Resources	▼ Past Assignments TCSS 562 - Online Daily Feedback Survey - 10/5 Available until Dec 18 at 11:59pm Due Oct 6 at 8:59pm -/1 pts TCSS 562 - Online Daily Feedback Survey - 9/30 Available until Dec 18 at 11:59pm Due Oct 4 at 8:59pm -/1 pts			
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TCS	S 562 - Online [Daily Feedba	ack Surve	y - 10	/5	
	d: Oct 7 at 1:13am					
Qui	z Instructions					
	Question 1			0.5 pts		
	On a scale of 1 to 10, p	ial covered in today's				
	1 2 3	4 5	6 7	8	9 10	
	Mostly Review To Me	Equal New and Revi	ew		Mostly New to Me	
	Question 2				0.5 pts	
	Please rate the pace of					
	1 2 3	4 5	6 7	8	9 10	
	Slow	Just Right			Fast	
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MATERIAL / PACE

- Please classify your perspective on material covered in today's class (23 respondents):
- 1-mostly review, 5-equal new/review, 10-mostly new
- Average 6.37 (\(\psi previous 6.48 \)
- Please rate the pace of today's class:
- 1-slow, 5-just right, 10-fast
- **Average 5.41** (\downarrow previous 5.35)

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FEEDBACK FROM 11/23

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TUTORIAL QUESTIONS

- Tutorial 6: Nov 24
- Tutorial 7: Tuesday Dec 7th @ 11:59p
- Tutorial 8: *Extra Credit* Dec 17 @ 11:59p
- Tutorial 9: **Extra Credit** - Dec 17 @ 11:59p
- Tutorial 10 No Submission

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GROUP PRESENTATION QUESTIONS; QUIZ 2 - TO BE POSTED DEC 6

- Assignment created as <u>quiz on Canvas</u>
- Only ONE MEMBER of each team needs to submit the quiz
- Quiz collects questions for group presentations in one place
- Best to submit all questions at once on/after Fri Dec 10
- Please provide 2 questions for each presentation not occurring on your team's presentation day
- Tuesday Nov 30 Quiz for Groups 1, 2, 3, 6, 7, 8, 9, 11, and 12
- Thursday Dec 2 Quiz for Groups 1, 2, 6, 9, 10, 11, 12, and 13
- Monday Dec 7 Groups 1, 3, 7, 8, 9, 10, 11, and 13
- Wednesday Dec 9 Quiz for Groups 2, 3, 6, 7, 8, 10, 12, and 13

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GROUP PRESENTATIONS - WEEK 10

Tuesday Nov 30

Slot #1 - Technology: AWS Athena

Group 10: Bob Schmitz, Viktoriya Grishkina, Danielle Lambion Slot #2 - Paper: Active-Standby for High-Availability in FaaS Group 13: Paper: Andrew Lim, Di Mo, Solmaz Seyed Monir

Thursday Dec 2

Slot #1 - Faster and Cheaper Serverless Computing on Harvested Resources

- Group 3: Bob Schmitz, Viktoriya Grishkina, Danielle Lambion
 Slot #2 Duet Benchmarking: Improving Measurement Accuracy in the Cloud
- Group 7: Andrew Lim, Di Mo, Solmaz Seyed Monir

Slot #3 - Resource Management for Cloud Functions with Memory Tracing, Profiling and Autotuning

Group 8: Duy Tran, Pragati Patil, Ranjana Bongale Ganesh

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GROUP PRESENTATIONS - WEEK 11

Tuesday Dec 7

Slot #1 - Simple Notification Service (?)

Group 6: Minzhi Qu, Yanliu Wang, Guanchen Zhao

Slot #2 - Distributed Machine Learning with a Serverless Architecture

Group 2: Zhifei Cheng, Sijin Huang, Zichao Zhang

Slot #3 - IBM Cloud Functions Group 12: Anmin Huang, Shuo Peng

Thursday Dec 9

Slot #1 - Tell Me When You Are Sleepy And What May Wake You Up!

Group 1: Alekhya Palle, Satchit Dahal, Amir Almemar

Slot #2 - Azure Functions version 3 or 4 (?)

Group 9: Dev Gandhi, Nischal Khadka, Sri Vibhu Paruchuri

Slot #3 - FaasCache: Keeping Serverless Computing Alive with Greedy-Dual Caching

Group 11: Davis Railsback, Trina Pal, Parshva Kotak

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TALK RECORDINGS

- Submit video recording links (URLs) via CANVAS
 - Final version of recording due by ~ Dec 17
- Can host video on Google Drive, Zoom (cloud), YouTube, or personal server and provide a link
- On day of presentation: arrive 10 min early to class to test video playback (or test during halfway-point)
- Group members should plan to be present to answer questions on day of talk
- If group members are unavailable, please contact instructor

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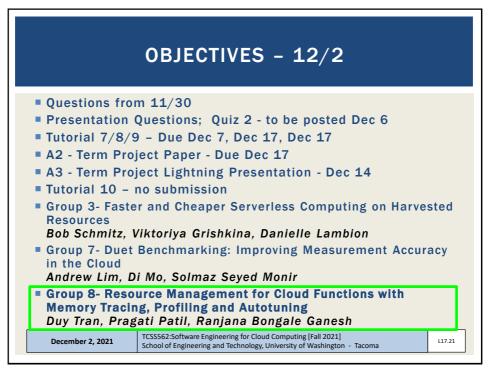
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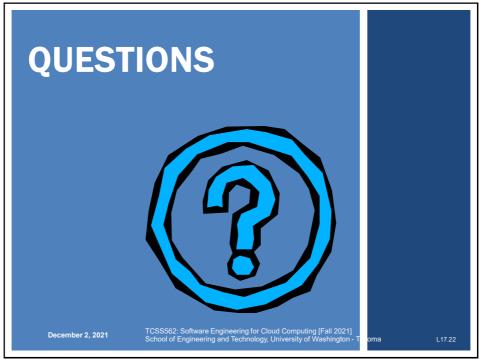
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