TCSS 562: SOFTWARE ENGINEERING FOR CLOUD COMPUTING

Group Presentations II

Wes J. Lloyd
School of Engineering and Technology
University of Washington – Tacoma

TR 5:00-7:00 PM

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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
  Duy Tran, Pragati Patil, Ranjana Bongale Ganesh

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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 (↓ - *previous 6.48*)**

- Please rate the pace of today's class:
- 1-slow, 5-just right, 10-fast
- **Average – 5.41 (↓ - *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 *quiz on Canvas*

- 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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WE WILL RETURN AT ~6:15PM

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QUESTIONS

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QUESTIONS

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