

TCSS 562: SOFTWARE ENGINEERING FOR CLOUD COMPUTING

Group Presentations II

Wes J. Lloyd

School of Engineering and Technology
University of Washington – Tacoma

MW 5:50-7:50 PM



OBJECTIVES – 12/2

■ Questions from 11/30

- Presentation Questions
- Quiz 2 Results Overview
- Term Project Paper, Term Project Presentation, Tutorial 9
- Group 3 - Paper: Serverless Applications: Why, When, and How?
Bharti Bansinge, Deepthi Warriar Edakunni
- 2nd hour:
- Group 5 - Paper: Multitenancy for Fast and Programmable Networks in the Cloud
Xiaowan Guo, Jiayu Li, Jiawei Yao
- Group 2 - presentation moved to 12/9
- Office Hours / Tutorial questions / Team planning

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ONLINE DAILY FEEDBACK SURVEY

■ Daily Feedback Quiz in Canvas – Take After Each Class

■ Extra Credit for completing

Announcements

Assignments

Discussions

Zoom

Grades

People

Pages

Files

Quizzes

Collaborations

UW Libraries

UW Resources

▼ 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

▼ 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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TCSS 562 - Online Daily Feedback Survey - 10/5

Started: Oct 7 at 1:13am

Quiz Instructions

Question 1

0.5 pts

On a scale of 1 to 10, please classify your perspective on material covered in today's class:

12345678910

Mostly Review To MeEqual New and ReviewMostly New to Me

Question 2

0.5 pts

Please rate the pace of today's class:

12345678910

SlowJust RightFast

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MATERIAL / PACE

- Please classify your perspective on material covered in today's class (17 respondents):
 - 1-mostly review, 5-equal new/review, 10-mostly new
 - **Average – 6.00** (↔ - *previous 6.00*)
- Please rate the pace of today's class:
 - 1-slow, 5-just right, 10-fast
 - **Average – 5.59** (↑ - *previous 5.39*)

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FEEDBACK FROM 11/30

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TUTORIAL SUMMARY

- Tutorial 6: Extended to Wednesday Dec 2nd @ 11:59p
- Tutorial 7: Sunday Dec 6th @ 11:59p
- Tutorial 8: Extra Credit - Posted 11/25
- Tutorial 9: Extra Credit - Posted 12/2
- Tutorial 10 - No Credit - Posted 11/25
- Tutorial 11 - No Credit - To be posted

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GROUP PRESENTATION QUESTIONS

- 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 Wed Dec 11
- Please provide 2 questions for each presentation not occurring on your team's presentation day
- Monday Nov 30 – Quiz for Groups 2, 3, 4, 5, 6, 9, 12
- Wednesday Dec 2 – Quiz for Groups 1, 2, 4, 6, 7, 8, 9, 12
- Monday Dec 7 – Quiz for Groups 1, 2, 3, 4, 5, 7, 8
- Wednesday Dec 9 – Quiz for Groups 1, 3, 5, 6, 7, 8, 9, 12

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GROUP PRESENTATIONS – WEEK 10

Monday Nov 30

Slot #1 - Technology: Elasticsearch

- Group 8: *Huicong Jiang, Yaqing Cao, Yuri Liao*

Slot #2 - Microservices Architecture Enables DevOps

- Group 1: *Rajbir Deol, Madhuri S Sharma, Shrustishree Sumanth*

Slot #3 - Costless: Optimizing costs of Serverless Computing through Function Fusion and Placement

- Group 7: *Richard Bankhead, Alina Saduova, Brian Wolk*

Wednesday Dec 2

Slot #1 - Serverless Applications: Why, When, and How?

- Group 3: *Bharti Bansinge, Deepthi Warriar Edakunni*

Slot #2 - Multitenancy for Fast and Programmable Networks in the Cloud

- Group 5: *Xiaowan Guo, Jiayu Li, Jiawei Yao*

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GROUP PRESENTATIONS – WEEK 11

Monday Dec 7

Slot #1 - Serverless Containers-Rising Viable Approach to Scientific Workflows

Group 9: Siddharth Sheth, Patrick Moy, Srivatsav Gopalakrishnan

Slot #2 - FECBench: A Holistic Interference-aware Approach for Application Performance Modeling

Group 12: Jordan Overbo, Zoe Sadeghi

Slot #3 - A FaaS File System for Serverless Computing

Group 6: Jingyan Sun, Lu Han, Zeng Fu

Wednesday Dec 9

Slot #1 - BATCH: Machine Learning Inference Serving on Serverless Platforms with Adaptive Batching

Group 4: David Melanson, Samuel David Adams , Richard Brun

<MOVED> Slot #2 - Serverless in the Wild: Characterizing and Optimizing the Serverless Workload at a Large Cloud Provider

Group 2: Enbei Liu, Jingru Zhao

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OBJECTIVES – 12/2

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Term Project Paper, Term Project Presentation, Tutorial 9

Group 3 - Paper: Serverless Applications: Why, When, and How?

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2nd hour:

Group 5 - Paper: Multitenancy for Fast and Programmable Networks in the Cloud

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Group 2 - presentation moved to 12/9

Office Hours / Tutorial questions / Team planning

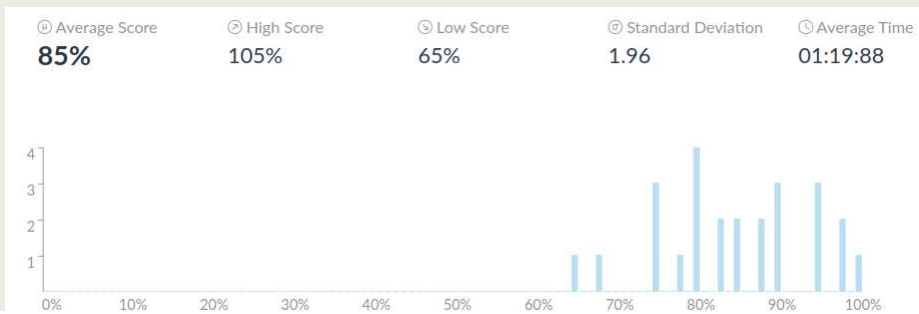
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QUIZ 2

- **Partial Credit: +0.5 pts**
 - Q3 – all answers
 - Q5 – for maintainability & resiliency
 - Q8 – all answers
- Q10 – general purpose 2
- Q15 – snapshots or AMIs
- Q20 – all answers
- **Curve: +1 pts (+5%)**
 - Curve class-wide average from 80% → 85%



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WE WILL RETURN AT
~7:09PM



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QUESTIONS



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