TCSS 562: SOFTWARE ENGINEERING FOR CLOUD COMPUTING

Tutorial #1, Term Project Planning

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OBJECTIVES

- Feedback from 4/2
- Tutorial #1
- Term project proposal questions
- Introductions
- Team formation

SELECT FEEDBACK FROM 4/2

- What is the difference between resilience and elasticity?
- What is the difference between AWS Regions and availability zones?
- In a VPC, what is the difference between a public and private subnet?
- What is the significance of availability zones in a VPC?

FEEDBACK - 2

- What are the advantages of using a private cloud, over a public cloud?
- What is Apache Tomcat?
- What is the free-tier on AWS?

FEEDBACK - 3

- For memory reservations in serverless computing:
- What happens when we allocate less memory (than required)?
  - The function crashes, and runs out of memory…
- What happens when we need less memory, but the function needs more CPU?
  - It is necessary to over allocate memory, to obtain faster CPU performance

TERM PROJECT PROPOSAL

- Overview

INTRODUCTIONS

- **SPEAK SLOWLY**
- Name
- What year of your program (quarter) are you in?
  - E.g. senior, 2nd quarter of MS, etc.
- Where are you from?
- What are your computer science and/or cloud/project interests?

QUESTIONS