Assignment 1 – Cloud Technology Sharing
Version 0.1

Presentation Dates: Tuesday April 25th, Thursday April 27th, Tuesday May 2nd, Thursday May 4th

Objective
To support term project development and enrich the TCSS562 class with technology sharing experiences, each project team will prepare a presentation regarding technologies associated with their term project. Cloud technology sharing presentations will take place in weeks #5 and #6 of the course.

Cloud technology sharing presentations will have the following structure:

1. Slide presentation: technology overview
2. Demonstration
3. Q & A

For the cloud technology sharing presentation, groups are required to present in detail at least one of the cloud technologies used for the group project. Groups may elect to make a **higher level presentation of two or more** of their competing technologies, or a more **detailed presentation on one** technology. In some cases, groups have been assigned a specific topic in cases where group projects' technologies overlap to prevent duplication.   Group presentations should last up to 30 minutes. Approximately 15-20 minutes for the presentation, 5-10 minutes for the demonstration, and 5 minutes for questions.

Groups should plan to speak deliberately <u>slow</u> throughout the presentation! Be sure to speak clearly, while enunciating carefully. For speakers who may become nervous, or are used to speaking quickly, it is recommended to take a number of **"pauses"** to slow down the pace of the talk. This is not a race! Remember listeners need time to take notes, ponder what you're saying, and formulate questions.

1 Technology Presentation Format

The slide presentation should follow the recommended structure provided below. Groups should provide at least one slide for each of the topics. Additional slides may be included for each topic where appropriate.   Groups **<u>should not</u>** have more than 20 slides total, not including the project demonstration.

It is recommended that the presentation be broken into parts. One team member could present slides 1-6, another 7-13, and the third presents the demonstration. For a two-person team, one team member may present slides 1-9, while another presents 10-14 and the demo.

Recommended Presentation Format

Slide No.	Major Topic	Questions to Answer / Topics
Slide 1	Introduce the technology	What is it? What does it do?
Slide 2	History of the technology: Who	Who invented the technology?
Slide 3	History of the technology: Why	Why was the technology invented? What was the motivation for its development?
Slide 4	History of the technology: How	How has the technology evolved to date? What has driven the evolution of its features?
Slide 5	Features Summary	Provide a detailed description of the key features. Where possible discuss technical design of the technology as it relates to cloud computing, distributed systems, and web services.
Slide 6	Example Use Cases	Provide example use cases for the technology. These can be use cases invented by the group, common applications from industry, etc. Describe example deployments. For example, are there any industry specific use cases where the technology has been used, or deployed at a large scale?
Slide 7	Technology Advantages	Describe advantages the technology provides, and reasons to encourage its adoption. Consider providing examples where performance is good, or cost is low.
Slide 8	Technology Disadvantages	Describe disadvantages, challenges, or problems with the technology. These may be challenges identified by the group, or those citied from articles or publications. If there are few, consider potential disadvantages.
Slide 9	Usability	Describe initial impressions on ease of use, learning curve, and understandability of programming related APIs. Usability can be its own slide, or presented as part of advantages/disadvantages
Slide 10	Cost Discussion	What does the technology cost to use? Consider presenting some examples of different scales to gauge costs.
Slide 11	Possible alternatives	Briefly mention technology alternatives and how they are related/similar…
Slide 12	Conclusions	State any conclusions or summarizing remarks about the technology
Slide 13	Demo	The demonstration can be live, or be simply a set of screen captures presented and described using slides.
Slide 14	Questions	A break for questions.

2 Technology Demonstration

The technology demonstration will present the User Interface of the technology, the Command Line Interface, and/or an example use of the technology's Programming API. Good demonstrations will walk through how to use the technology with a simple use case. The best presentations will demonstrate more than simply the UI. For example, a technology demonstration that only demonstrates the UI is

potentially may receive a score of 80%. Technology demonstrations which show the UI + CLI, or UI + API are 100% ! In cases where the technology can not be demonstrated, either through a live demo or a group recorded demo, existing material found online can be used as needed. This includes, screen captures, video, etc. When other's work is needed to demonstrate the technology, <u>the group should explain why this was necessary to receive full credit</u>. (e.g. include one or more slides describing Why…)

3 Grading Rubric

[15% of course grade]

Cloud technology sharing presentation grades will be broken into four components:

30%   Design quality of presentation/slides

The overall quality of the presentation materials. Groups will prepare slides for the presentation given in class. Feedback from the presentation can be used to refactor the slides and make corrections. Final slides are due by Friday May 5th at 11:59p.

30%   Technical content

The technical content grade will be evaluated by considering the in-class presentation and the content provided on the final slides submitted on Friday May 5th. Both the technical content of the slides and demonstration will be considered. All groups have the opportunity to improve technical content of slides for final submission on Friday May 5th.

25%   Technology demonstration

The technology demonstration can consist of a live demo, screen captures, video, etc. produced or assembled by the group. The best demonstrations at least some example of UI + CLI, or UI + API. Technology demonstrations that are UI only will not receive maximum credit. It is acceptable to use existing materials demonstrating the technology with proper justification. If there are questions, please ask the instructor for clarification.

15%   Clarity, understandability

The overall clarity and understandability of the presentation is worth approximately 20%. Clarity and understandability are improved by speaking slowly, deliberately, looking at the audience, pausing, having well designed slides (foils), and having practiced the presentation prior to class.   The instructor will try to deliberately slow down presentations to help improve group grades by interjecting when possible.

4 Notes about the presentation

Groups who's in-class presentation is scheduled early on will be graded less rigorously in a qualitative manner as needed. For example, if you are the first presentation, there is leeway to make mistakes and also the opportunity to correct slides in time for their final submission. By the end of the second week, remaining groups should be accustomed to the presentation format.

5 Presentation feedback

Groups may submit slides to the instructor via email for feedback prior to the presentation in either ppt/pptx or PDF format. If an MS Office file is provided review will be via track changes/comments. If a PDF file is provided, review will be via separate written comments. The instructor will attempt to provide feedback by the morning of the next day. At the latest, **please send slides for feedback no later than 1pm on the day before the presentation** to receive suggestions, feedback, corrections.

6 Submission Deadline

Technology sharing presentation schedule:

Week 5:

April 25
Group 1 – Travis, Cindy, Minh
Group 2 – Spoorthy, Ratna, Tejaswi

April 27
Group 3 – Rituja, Bharathi, Misba
Group 4 – Inno, Viet, Swetha

Week 6:

May 2
Group 5 – Zelun, Mengting, Kerwin
Group 6 – Mohib, Louis
Group 7 – J. McFadden, Y. Tamta, J. Gandhi

May 4
Group 8 – Keerthanaa, Megha, Sowmya
Group 9 – Pooja, Sruthi
Group 10 – Smruthi, Sonam, Srinidhi

Final project slides should be submitted to Canvas in PDF format by Friday May 5th at 11:59pm.

7 Change History

Version	Date	Change
0.1	04/18/2017	Original Version