**COMP491 Assignment P1: Tech spike completion and presentation**

This assignment is worth a substantial portion of the final grade (see syllabus) and is expected to require about two weeks’ work, with the usual expectation of 5-8 hours per week spent on the capstone project. Record your activity in real time on the Slack live log.

**Part A: complete your tech spike (60 points)**

In a previous assignment, your capstone project team divided into tech spike subteams, each consisting of one or more students. Each tech spike subteam has identified (i) a knowledge or experience gap that will be filled; and (ii) learning resources and activities that will fill the gap. The learning resources and activities have been chosen so that they will produce a concrete artifact or demo that can be presented in class.

Part A of the assignment consists of mastering the previously-identified learning resources and performing the previously-identified activities. It will be graded based on both effort and achievement. Effort will be determined via Slack live logs; achievement will be based on the quality of material mastered and demonstrated outputs. Usually, every member of the subteam will receive the same grade for Part A.

**Part B: prepare and deliver a presentation and demo of your tech spike (40 points)**

The objective of Part B is to give a presentation explaining and demonstrating your techspikes to our class. Each capstone team (not subteam) will give one presentation. That is, each team will combine their tech spike subteams’ work into a single presentation.

Your presentation should be about 20 minutes in length, and there will be about 5 minutes of questions from the audience afterwards. (Teams with only one or two people can give a shorter presentation; the suggested duration is 10 minutes.)

You must submit your slides, in any reasonable format, to Moodle before the start of the class in which you are delivering your presentation.

To achieve an excellent grade, your presentation should excel on the following aspects. It should:

* meet the target length of 20 minutes (or 10 minutes for small teams), plus or minus two minutes;
* clearly explain the goals of the tech spikes;
* clearly explain the progress your team has made on these goals;
* clearly explain any significant challenges your team has encountered;
* use clear and engaging visual materials (slides and/or whiteboard);
* employ large fonts that are very easy for the audience to read and use only a small number of words on every slide so that every word can be read by the audience;
* be delivered in a clear, engaging, and fluent voice;
* be delivered without reading verbatim from notes or slides (it is a good idea to use notes—just don’t read from them word for word);
* demonstrate understanding of technical details from the tech spike and the ability to explain these details to the audience;
* convince the audience that substantial effort has been invested in the project, equivalent to 5-8 hours of work per week by each team member;
* demonstrate a concrete artifact or output of each tech spike.

Usually, all members of the team will receive the same grade for Part B.