

# CMPT 475 Assignment 2

Spring 2022

In Assignment 1, you came up with an estimated and ordered top-20 list of user stories. For this assignment:

- Take the top 10 of those user stories and break each one into tasks. In Scrum, a task should take a day or less. In Extreme Programming (XP), a task should take 1, 2, or 3 days (additions of  $\frac{1}{2}$  can be used if needed). Choose one of Scrum or XP, and create your tasks accordingly.
- Estimate each task, again according to the Agile method used.
- Present the result (user stories, tasks and estimates) as an Indented-List of Work Breakdown Structure (WBS), similar to the format shown below (the project below is totally irrelevant to yours, just use its format):

user story	→	▸ Identify areas of focus for conference	5.5 days
task	→	Evaluate topics with organizing committee	3 days
		Select short list of topics	2 days
		Vote on final topics	0.5 days
		Areas of focus for conference selected	0 days
		▸ Select venue for conference	9 days
		Create a list of possible venues	3 days
		Check pricing and availability of venues	5 days
		Evaluate venues and make a selection	1 day
		Conference venue selected	0 days

- Notice in the above WBS format that the estimate for a user story is equal to the sum of estimates for its tasks. Please use the same in your WBS. Then, compare the user story estimates here to the one you submitted for Assignment 1. How much is the average relative error (percentage) for the top 10 user stories if we take the task-level estimates to be the baseline?