CPSC 491: Assignment 3  

**Individual Homework.** Do the following and turn in your results:

1. Continue your work on background research for your project. Meet again with your team to brainstorm and divide up the research tasks. Do your assigned research tasks and write up your findings. This should be largely individual work, however, you may discuss and get help from your teammates as needed. The goal is to split up the research tasks to work more efficiently/productively as a team. Turn in a copy of your results (i.e., the description of your task and findings).

2. Come up with a set of initial user stories for your product backlog (see below). Each member of your team must come up with their own stories, then work together to refine and extend them. For this part, turn in the initial set of user stories you came up with individually before working on the as a group.

**Project Homework.** This part should be done with your team. Work on and write up answers to the following tasks as a group and hand in a single copy on the due date. Note that this is the first week of your second two-week sprint. This sprint should be focused on continuing background research and developing an initial product backlog. In addition, you need to work on your project plan.

1. Complete the task sheet from week 2 and fill out the initial task sheet (goals, demo, and tasks with estimates) for week 3. Turn in a print out of both task sheets (printed in portrait mode).

2. Continue to use GitHub to store all of your project documents, source code, etc. For now, use the repository to store the write up from the research work above.

3. Determine how you plan to capture your product backlog (e.g., as a spreadsheet, in a shared Google doc, using Trello, or using some other technology). Write down your plan. Note that the product backlog will change over the course of the project and you will need to be continually updating the backlog.

4. Create a rough draft of your product backlog. This is a preliminary draft that you will continue to work on next week as well. However, next week, you will also need to meet with your sponsor and/or focus group to discuss your backlog, and then refine it based on your discussion with your sponsor. Although preliminary, you still need to develop a backlog that is as complete as possible. Each person in your team should come up with an initial set of stories (see individual homework above). Then, as a team meet together to refine/extend your stories and backlog (including a prioritization). Provide a paragraph description of challenges and issues you ran into developing
the backlog as well as what additional work remains for you to complete the backlog (to show and receive feedback from your sponsor on).

5. Create a draft of Subsection 1.1 (Project Summary) and a revised draft of Subsection 1.6.

**Reading Homework.** This assignment is to be done individually. Read and be prepared to answer questions on the following before next Tuesday.

1. Scrum Field Guide Ch. 12: Decomposing Stories and Tasks
2. Writing for Computer Science Ch. 6: Good Style

To help you with the readings, you should be sure to focus on and understand the following topics.

- Understand the examples of how epics are decomposed into small stories
- You should think about your own stories as you read this chapter and how they could be decomposed into smaller stories
- How to use “good style” in your writing (economy, tone, examples, voice, specific/informative writing over obfuscation, and so on).