**MIS 322, FA21 Assignment 4**

**Individual Assignment**

From Chapter 15 learning more about Agile development using Sprint/Scrum…

1. 1 pts RQ15-2 (a and b only) : Compare the following terms:
   1. Agile task board versus burndown chart
   2. Agile task board versus Kanban chart
2. 3 pts RQ15-8: Regarding velocity:
   1. Define what it is
   2. Describe the pros and cons of estimating stories and tasks and measuring velocity using ideal days versus story points
   3. When measuring completed work, should we measure completed individual tasks? Why?
   4. How many sprints should we measure before arriving at an average measure of velocity?
   5. How can we use velocity to estimate the amount of time and cost remaining in a project?
3. 3pts RQ15-20: Regarding Technical Debt:
   1. Define what it is
   2. Name three typical types of issues that represent technical debt
   3. Explain what teams often do that typically create technical debt
   4. What impact does it typically have on construction velocity?
   5. When teams work on technical debt items, what do we call that?
   6. When teams work to eliminate technical debt, what do we call that?
   7. Why Does existence of technical debt often cause teams to create even more technical debt?

3 pts. PE15-3, In each of the following completed burndown charts – where, in each instance, the team is running behind – determine where the problem exists, express possible interpretations for why this is happening, and measure the team’s velocity. (Refer to the charts in the book).

15-3a.

15-3b.

15-3c.