COMP 3111: Software Engineering

Take Home Activity: Project Management Using Scrum
Create a Burndown Chart for Sprint 2 of the *HKeInvest* Project

If you have not attended the tutorial or read the tutorial and lab notes for *Project Management Using Scrum*, you may not know how to complete this take home activity.

ACTIVITY OBJECTIVE

In this activity you will create a burndown chart for Sprint 2 of the ***HKeInvest*** securities portfolio management system.

Download the Excel spreadsheet "BurndownChart.xlsx" from the Tutorial and Lab Schedule module of the course web page.

CREATE THE BURNDOWN CHART

1. In the "Sprint Tasks (Sprint Backlog)" column of the "BurndownChart.xlsx" Excel spreadsheet, list the tasks that you think are required to be completed to implement the remaining requirements of the ***HKeInvest*** portfolio management system.
2. In the "Week 1 Mar. 21-Apr. 1" column of the "BurndownChart.xlsx" Excel spreadsheet, estimate the total hours that you think will be required to complete each task listed in the "Sprint Tasks (Sprint Backlog)" column.
3. Edit the header of the "BurndownChart.xlsx" Excel spreadsheet as follows.
   a. Replace the text "Typical Student" with your name.
   b. Replace the student id "00000000" with your student id.

NOTES ON CREATING YOUR BURNDOWN CHART

1. To create the sprint backlog you need to divide the remaining requirements of the ***HKeInvest*** securities portfolio management system into tasks that can be assigned to someone to carry out.

   Note: It is not acceptable to simply list the remaining requirements as the sprint backlog tasks. ***If you do so, you will get no credit for this activity.***

2. Each task should be small enough that you can confidently provide an estimate for the time required to carry out the task. Try to be as accurate as possible, but do not worry too much about this. Remember that it is just an estimate.

   Note: It is expected that you will make a real effort to provide accurate estimates for your tasks. ***If it is determined that you have not made such an effort, you will get no credit for this activity.***

3. Estimate in hours using the following discrete values where 8 hours equals 1 day:
   a. 1 hour
   b. 2 hours
   c. 4 hours
   d. 8 hours

   Round up in between estimates to the next highest discrete value.
4. Recalling the tasks that you did for Sprint 1 and the time that it took you to complete each task may help you in deciding the time required to carry out each task for Sprint 2.
5. Do not forget to include the time to do testing in your time estimates.
6. Remember that as well as submitting your burndown chart to get the credit for this activity, it will also be used to provide input for your project team to construct its initial burndown chart. Your team members will expect that you have constructed a realistic, accurate and complete burndown chart.

HOW TO GET THE CREDIT FOR THIS ACTIVITY

To get the full credit for this activity, you must submit, by 5 p.m. Thursday, March 24 via Canvas, a screenshot of your completed burndown chart, ***showing your name and student id in the header of the burndown chart*** as shown in Figure 1. To submit your screenshot, click on "Burndown Chart" in the Assignments section of Canvas, and then click the "Submit Assignment" button to upload the screenshot file. To check your submission, click the "Submission Details" button on the right side. For help, click the "Help" button at the top-right of Canvas.

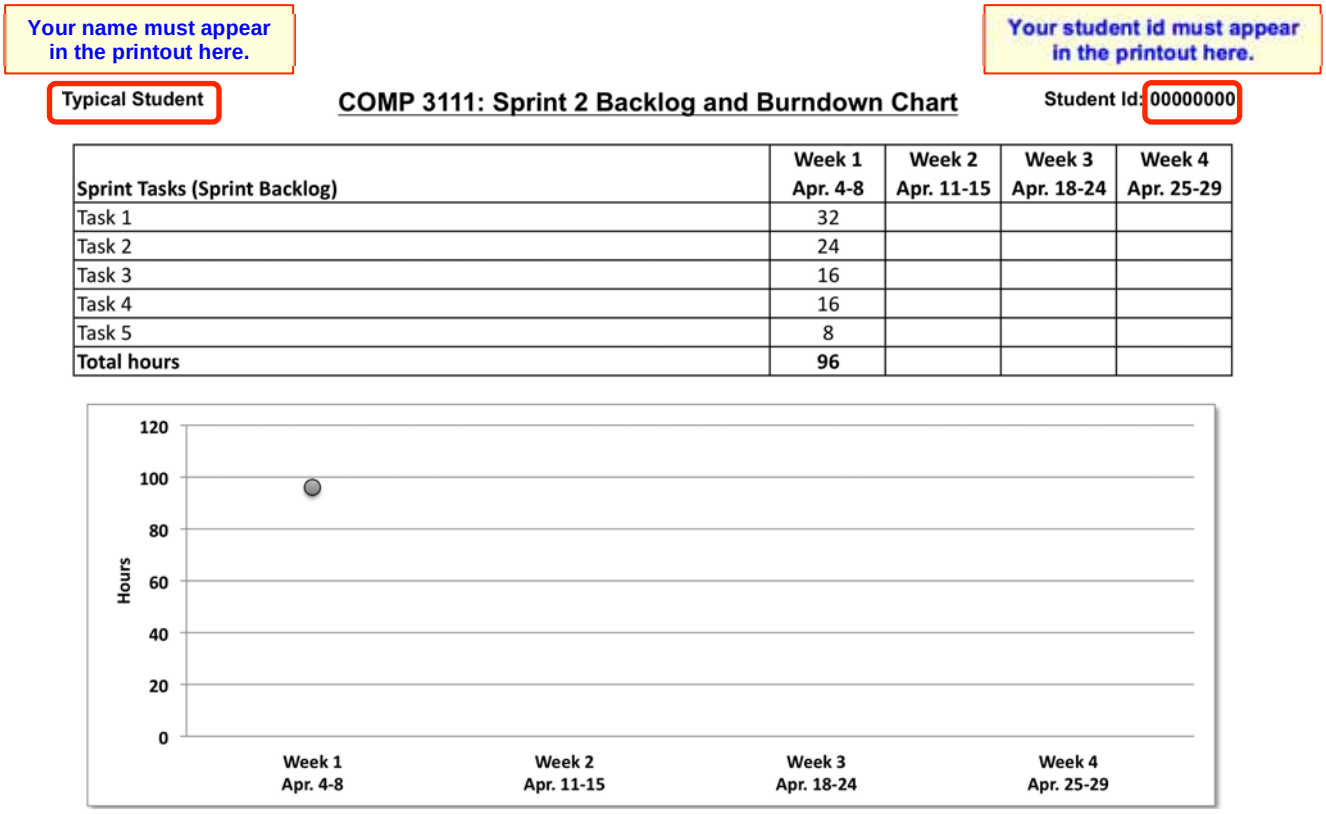

Figure 1: Example printout of burndown chart.