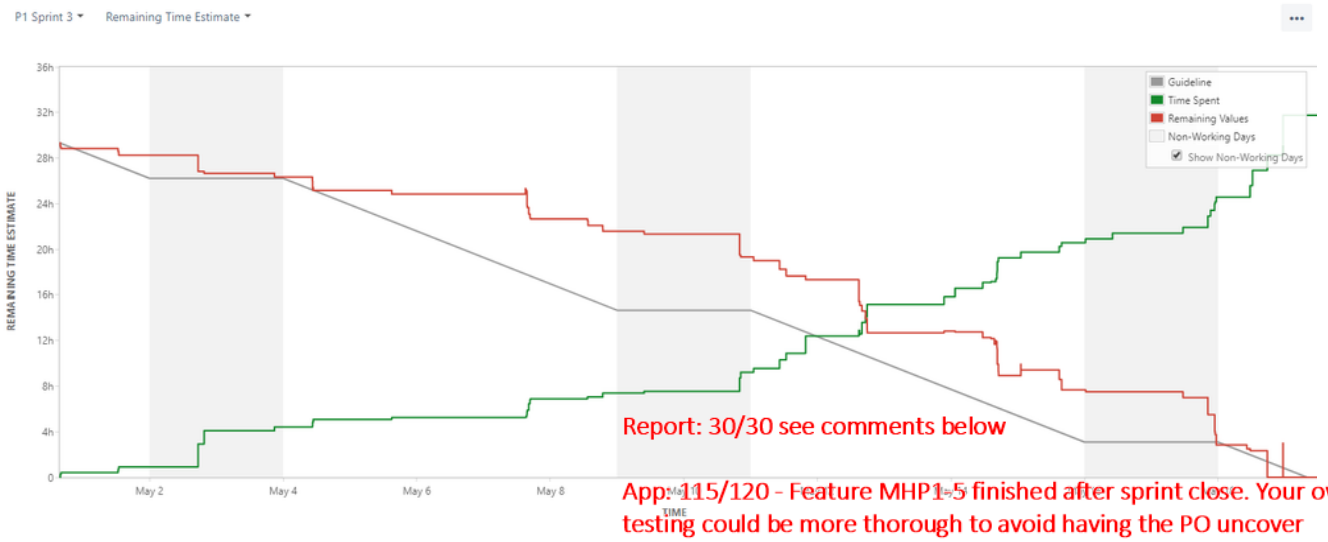
End of Sprint 003 status report 5/19/2020

Part 1: Sprint Review

Burndown chart

View your team's burndown by selecting Burndown Chart (for Sprint 3) from the Reports page of Jira. Use the built-in Windows 10 Snipping Tool - if you never used it, it's available from the Start Menu - just start typing "Snipping Tool" and it should appear. It's use is intuitive. Snip the image of your burndown and paste it below as a full-size image. NOTE: Make sure the burndown image you contains the correct team/sprint name at the upper left (Sprint 3), and that the x and y axes are fully visible.



Report: 30/30 see comments below

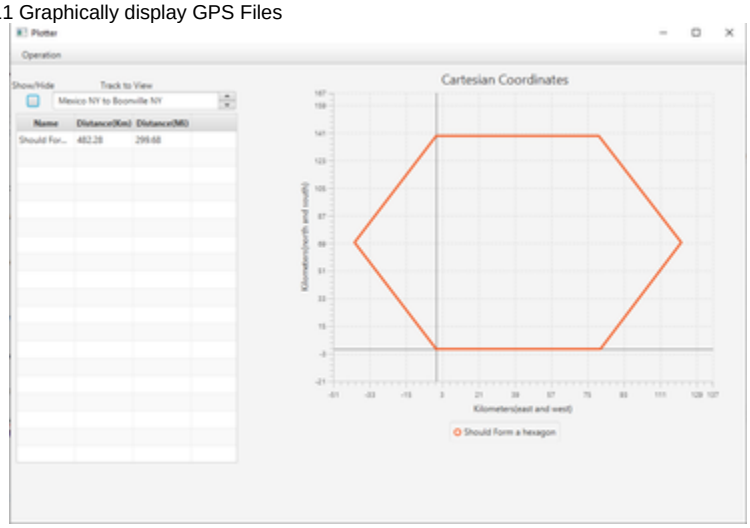
App: 115/120 - Feature MHP1-5 finished after sprint close. Your own testing could be more thorough to avoid having the PO uncover defects. And clarify requirements more completely - although you mention this in the retrospective. Good job overall - hope you found the course and project useful for enhancing your skills.

Good luck to all in the future!

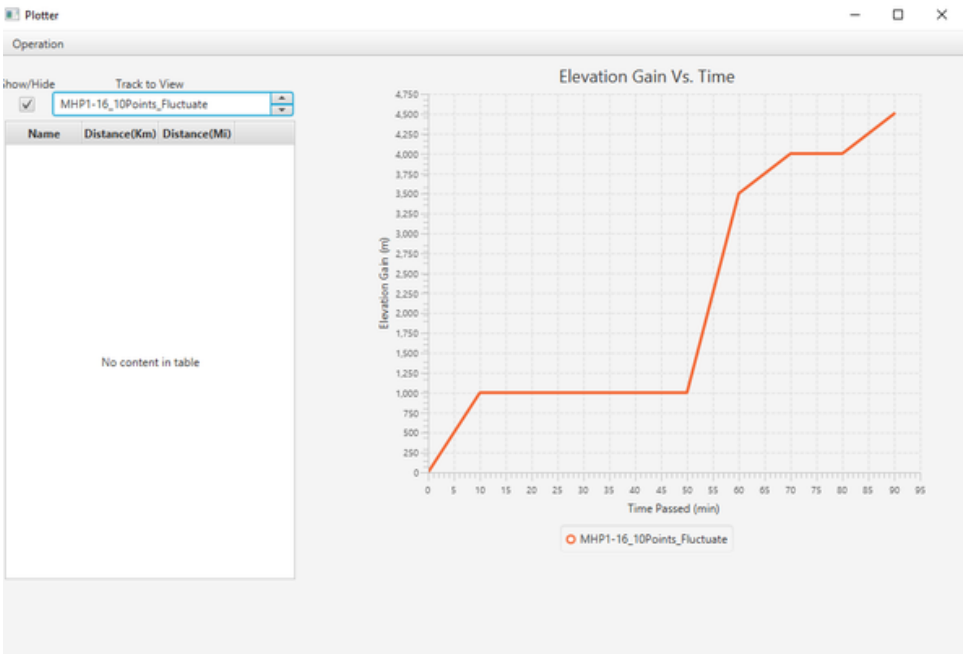
Repo Usage: 50/50

PBI completion status

In this section:

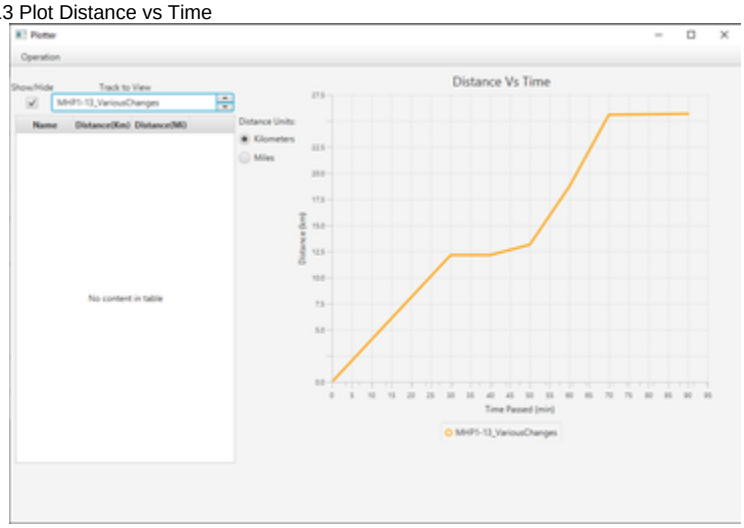
1. Explain which specific PBIs (*Stories, Defects, Internal Improvements, Knowledge Acquisitions*) were completed (**Done** after approved by the Product Owner).
    i. MHP1-85 Remove points on Graph
    ii. MHP1-84 Menu system is complex
    iii. MHP1-11 Graphically display GPS Files
    1. 

    iv. MHP1-4 Display ElevationGain(t) plot

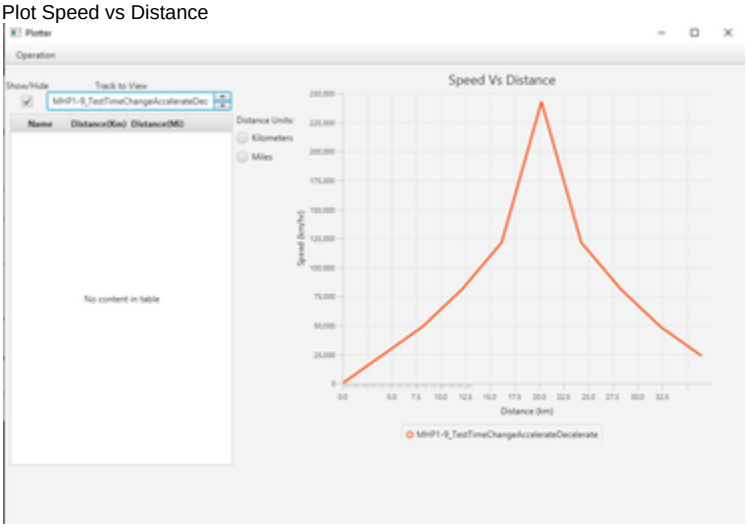
1. 

v. MHP1-82 Axis Units

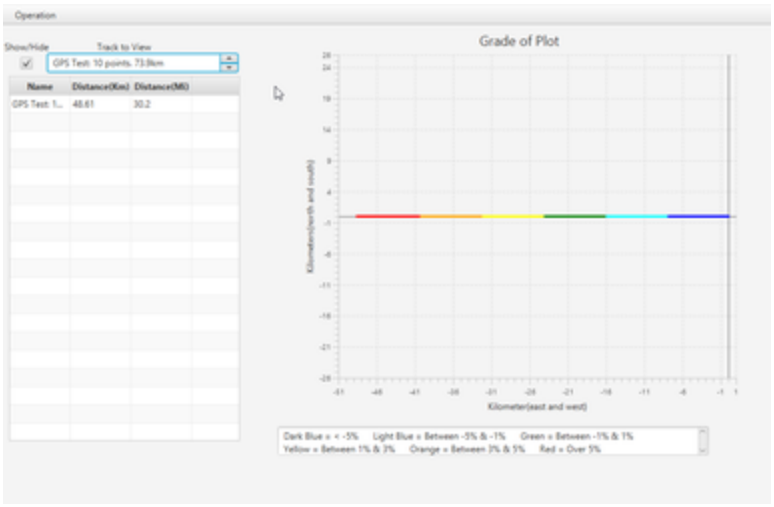
vi. MHP1-13 Plot Distance vs Time

1. 

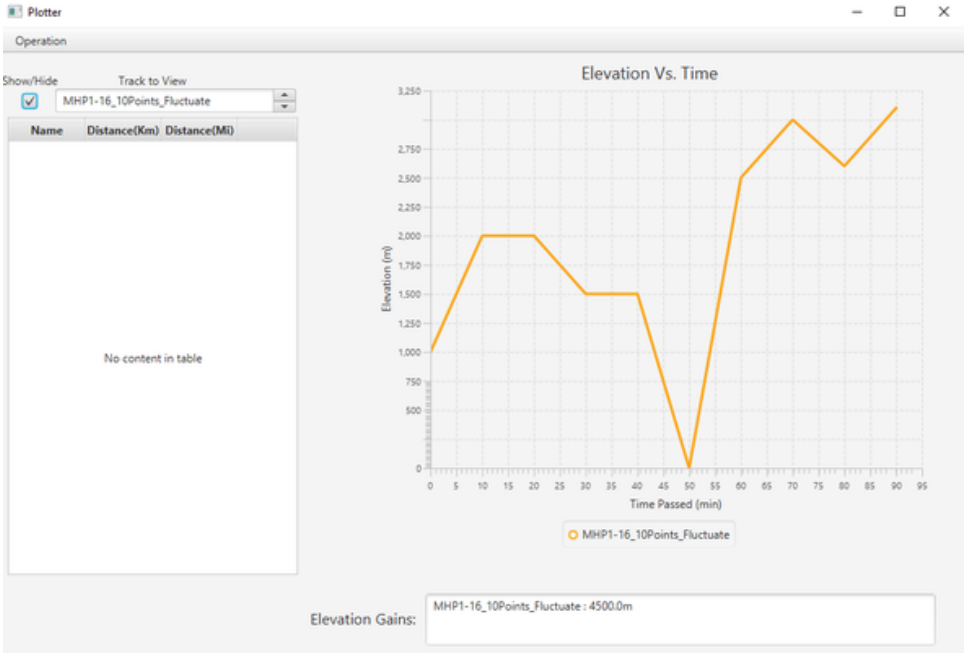
vii. MHP1-9 Plot Speed vs Distance

1. 

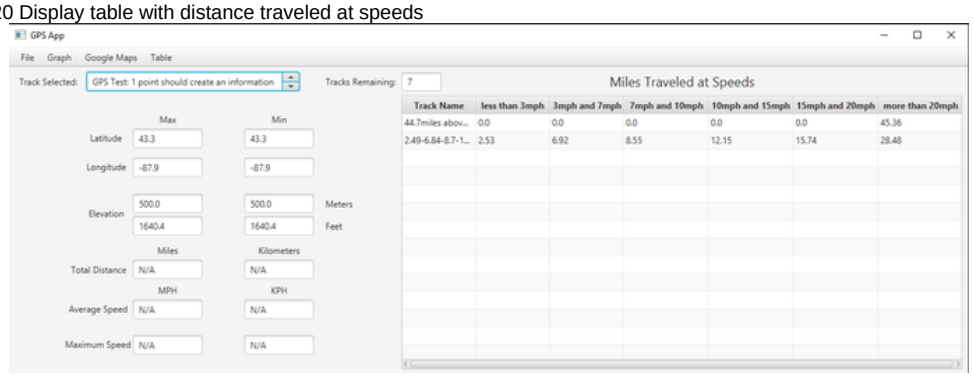
viii. MHP1-15 Graphically view plots with grade

1. 

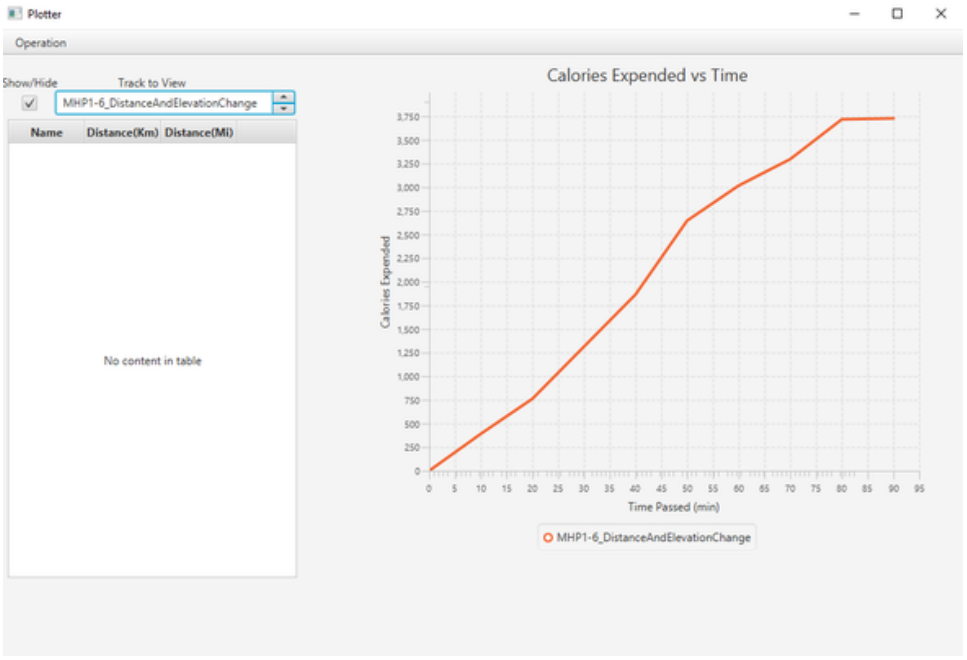
ix. MHP1-16 Elevation as a function of Time

1. 

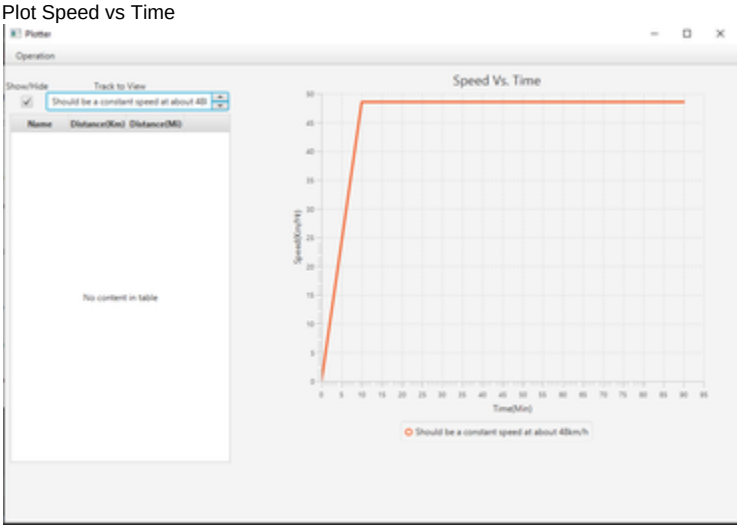
x. MHP1-20 Display table with distance traveled at speeds

1. 

xi. MHP1-6 Display calories expended plot

1. 

xii. MHP1-5 Plot Speed vs Time

1. 

MHP1-6 was Calories v Time
You mean MHP1-5

b. Discuss which specific PBIs were **not** finished. Explain the reason(s) that these Issues were not completed.
   i. MHP1-6 was not finished (not validated) because speed and time were misaligned.

c. List the errors or needed work in your application that will be characterized as *Defects* for a subsequent sprint.
   i. MHP1-6 requires a fix for speed and time being misaligned (a defect fix has been subitted [here](https://bitbucket.org/SE2030-Hornick/gpsa2/pull-requests/42/mhp1-5-plot-speed-vs-time-fixed-graphing/diff) and will be reviewed on Thursday 5/21/2020)

Part 2: Sprint Retrospective

Think about how the past sprints have gone. Consider that you will likely be working in a team in the future - either in upcoming courses or in your post-academic career.

What improvements you would make in future sprints to make your process more efficient and your work product better? List three things you would change.

- One thing that we could improve in the future is not having a large effort applied at the end of the sprint. With this sprint and the last sprint, we left too much work to be done until the end so our burndown has a large dip at the end.
- Another thing that we could improve on for the future is to actively update our estimated time for remaining tasks. In this sprint, we didn't update time until we logged our work even if before that we thought it wouldn't take as much time as we initially estimated.
- As mostly SE's, we should be better about testing for correct behavior of the program and that units of code perform tasks properly. Making the AC as clear as possible is important to make sure code does what it needs to do.
- Lastly, when bringing new members on a new platform it would be best to give them an issue that gets them working on an issue that gets them experience in as much as the code base as possible without overwhleming them so they can reestimate and work better later on in sprints.