Sprint 3 Status Report 05/07/2020

Preliminary: Data verification

Before you begin, make sure your project data is complete to-date and correct. Check off the following items:

- [x] In the **Page title** section above, your report is named “Sprint XXX Status Report mm/dd/yyyy ”, where XXX is the sprint number, mm is the month, dd is the date, and yyyy is the year.
- [x] All PBIs (Stories, Defects, Knowledge Acquisitions, and Internal Improvements) and their subtasks are in the correct state (e.g. **Ready**, **Done**, etc).
- [x] All team members have logged time correctly.
- [x] All subtasks that are actively being worked on are in the **In Progress** state, and have time logged to them. Time remaining in subtasks nas been re-estimated and adjusted appropriately.
- [x] All worklogs have been entered correctly (burndown check reveals no odd "spikes" in estimated or logged time).
- [x] All subtasks that are in the **Review Ready, or Done** states have 0 remaining time left.
- [x] No time has been logged to PBIs- only subtasks should have time logged.
- [x] Pull Requests have been issued, reviewed, commented, and approved/rejected.

Report Generation

Work logs: Again, first make sure that everyone on the team has logged their time correctly. Click the Worklog Gadget below; in the Edit Dialog that appears, modify the filter to conform to your team's project id (e.g. MHA1).

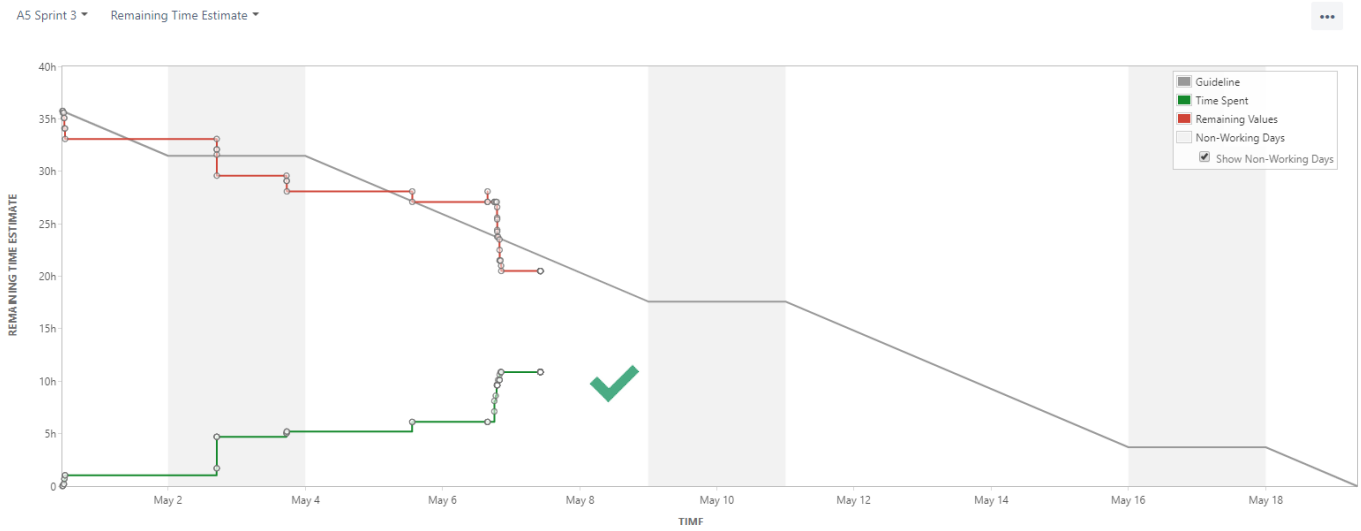
Assignee	Updated	Time Spent	Original Estimate	Remaining Estimate	Key	Summary	Status
Matt Haas	May 07, 2020 10:15	2 hours	1 hour	0 minutes	MHA5-131	Re center tracks on map when tracks are selected/deselected	DONE
Matt Haas	May 07, 2020 10:15	2 hours, 55 minutes	1 hour, 30 minutes	0 minutes	MHA5-123	Center track on screen	DONE
Matt Haas	May 07, 2020 10:15	1 hour	2 hours	0 minutes	MHA5-122	Add axis marker units	DONE
Matt Haas	May 07, 2020 10:15	40 minutes	1 hour	0 minutes	MHA5-121	Add axis labels	DONE
Matt Haas	May 09, 2020 14:12	20 minutes	1 hour	0 minutes	MHA5-88	Create a test file showing different grades	DEVELOPMENT
Matt Haas	May 09, 2020 14:13	1 hour	2 hours	0 minutes	MHA5-87	Change functionality in plotter to choose array color instead of track color.	DEVELOPMENT
Matt Haas	May 09, 2020 14:13	1 hour	2 hours, 30 minutes	0 minutes	MHA5-86	Modify CanvasLayer to add track color for different grades	DEVELOPMENT
Noah Ernst	May 07, 2020 10:15	30 minutes	15 minutes	0 minutes	MHA5-124	Make points smaller	DONE
Noah Ernst	May 07, 2020 10:16	15 minutes	30 minutes	0 minutes	MHA5-81	Create Tests/desired output files	DONE
Noah Ernst	May 07, 2020 10:16	1 hour	1 hour	0 minutes	MHA5-79	Plot each point for elevation gain graph	DONE
Noah Ernst	May 07, 2020 10:15	30 minutes	30 minutes	0 minutes	MHA5-75	Create tests/desired output files	DONE
Noah Ernst	May 07, 2020 10:15	1 hour	1 hour	0 minutes	MHA5-73	Test/Debug	DONE
Noah Ernst	May 07, 2020 14:03	1 hour	1 hour	0 minutes	MHA5-72	Plot each point on elevation v time graph	DEVELOPMENT
Noah Ernst	May 07, 2020 10:15	30 minutes	30 minutes	0 minutes	MHA5-71	Change graph to elevation v time graph when button is pushed	DONE

Stuart Harley	May 10, 2020 19:09	30 minutes	1 hour	0 minutes	MHA5-128	Plot each point for calories v time graph	REVIEW READY
Stuart Harley	May 10, 2020 18:32	1 hour	30 minutes	0 minutes	MHA5-127	Create Calorie Algorithm to calculate calories between 2 points	REVIEW READY
Stuart Harley	May 10, 2020 18:35	20 minutes	30 minutes	0 minutes	MHA5-126	Switch Graph to Calories v Time when button is pushed	REVIEW READY
Stuart Harley	May 09, 2020 15:39	5 minutes	10 minutes	0 minutes	MHA5-125	Add button to Graph GUI to select calories v time graph	REVIEW READY
Stuart Harley	May 07, 2020 10:12	10 minutes	1 hour	0 minutes	MHA5-115	Test/Debug	DONE
Stuart Harley	May 07, 2020 10:12	20 minutes	30 minutes	0 minutes	MHA5-114	Create tests/desired output files	DONE
Stuart Harley	May 07, 2020 10:12	20 minutes	1 hour	0 minutes	MHA5-113	Update controller to display times vs grades data	DONE
Stuart Harley	May 07, 2020 10:12	10 minutes	30 minutes	0 minutes	MHA5-112	Create Algorithm to calculate grade between 2 points	DONE
Stuart Harley	May 07, 2020 10:12	30 minutes	1 hour	0 minutes	MHA5-111	Create TableTimesAtGradesHandler class	DONE
Stuart Harley	May 07, 2020 10:12	2 minutes	10 minutes	0 minutes	MHA5-110	Add menu item to Table menu to display times at grades	DONE

24 issues

Burndown chart: Again, check to make sure that all subtasks in the **Done** state have a remaining time of 0 (otherwise, your Hour Burndown Chart will not be accurate). Be sure that remaining time estimates have been accurately updated.

In the previous Sprint, you used the Sprint Burndown Gadget; however, JIRA does not export the image produced to a PDF file, so you'll be using a different approach in sprint 3: 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.



Individual Status

Review your status report from the previous week (if applicable). In this section of the report, each team member is to indicate:

1. What you worked on since the last Status Report (or the beginning of the Sprint, if this is your first status report) and what progress was

made - or not. List the tasks you **worked on,** and the tasks you have **completed** (in **Review Ready** or **Done**), and **Pull Requests** you have issued.

a. Noah worked on completing MHA5-10 **MHA5-10** - 5. Implement elevation plot of loaded data DEVELOPMENT and MHA5-13 **MHA5-13** - 6. Show elevation gain graphically DONE, as these were the features from sprint 2 that got pushed into sprint 3. A pull request was issued for both of these features, and they have since been merged into the dev branch.

b. Stuart completed the table of times at various grades. **MHA5-3** - 15. Display Table of Times at Grades DONE It has been merged into dev.

c. Matt worked on **MHA5-92** - 2D Plot improvements DONE which involved implementing improvement mentioned by the product owner. A PR was made and was merged into dev.

2. What problems may have come up that hindered your progress, and what actions need to be taken to resolve them (**if you are having problems that are blocking you, add them to the table below**).
   a. Small fixes can become big time sinks if the design is inadequate. Matt ran into that this week trying to redraw each track to center on only the visible tracks. What should have been a easy solution ended up taking a couple of hours working around poor design.
3. What you will be working on in the coming week. **List the tasks you intend to complete, and assign them to yourself.**
   a. Noah will begin working on the speed vs time graph **MHA5-14** - 11. Speed vs time plot READY, and will complete it most likely by next week. Noah will also fix the issues in MHA5-13/10 with the time on the x axis
   b. Stuart be working on the calories vs. time graph. He intends to finish with this PBI by this time next week.
   MHA5-16 - 7. Show calories expended graphically as a function of time DEVELOPMENT
   c. Matt will work on **MHA5-20** - 14. View 2D tracks with colors indicating grade DEVELOPMENT, implementing showing grades with a color on the 2D plot.

Action required

Issue	Reporter	Action/Resolution

Trajectory/Forecast

As a team, examine your logged hours, burndown chart and agile board.

- List which PBIs are complete from the Development Team's perspective (that is, those Waiting for Validation).
  - **MHA5-10** - 5. Implement elevation plot of loaded data DEVELOPMENT (not validated by product owner)
  - **MHA5-13** - 6. Show elevation gain graphically DONE (not validated by product owner)
  - **MHA5-3** - 15. Display Table of Times at Grades DONE
  - **MHA5-92** - 2D Plot improvements DONE
- Discuss your present status with respect to how much work your agile board and burndown chart indicates you have to go before the end of sprint. Compare this with respect to how many hours you have logged thus far - are they balanced, or have you overestimated or underestimated?
  - We are making far better progress this sprint compared to last. Last sprint we found we underestimated how long it would take us to do things. This sprint, because we developed a good design last sprint, it has been very easy to implement new features using the same structures.
  - We are slightly ahead of the recommended timeline on the burndown chart. We have logged about 10 hrs of work so far this sprint for about 13-14 hrs. Therefore we overestimated a bit how long it would take us to do some of the tasks.
  - We have completed 4 of the 9 PBI's on our backlog for this sprint so far.

- **List what action(s) you will take to complete the work by the end of the sprint.**
  - We will continue to keep up with a steady workflow throughout next week, as we have proven to be making great progress at a slow, routine-based pace.
  - Our experience last sprint is leading us to make better informed decisions about our work.