Sprint 2 Status Report 04/16/2020

Preliminary: Data verification

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

- ☑ 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.

- ☑ All PBIs (Stories, Defects, Knowledge Acquisitions, and Internal Improvements) and their subtasks are in the correct state (e.g. **Ready, Done**, etc).

- ☑ All team members have logged time correctly.

- ☑ 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.

- ☑ All worklogs have been entered correctly (burndown check reveals no odd "spikes" in estimated or logged time).

- ☑ All subtasks that are in the **Review Ready, or Done** states have 0 remaining time left.

- ☑ No time has been logged to PBIs- only subtasks should have time logged.

- ☑ Pull Requests have been issued, reviewed, commented, and approved/rejected.

Since Stuart fixed the defects before we talked about changing dev only via PRs, you guys have to "real" PRs - yet. Be sure to use only that approach going forward.

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).
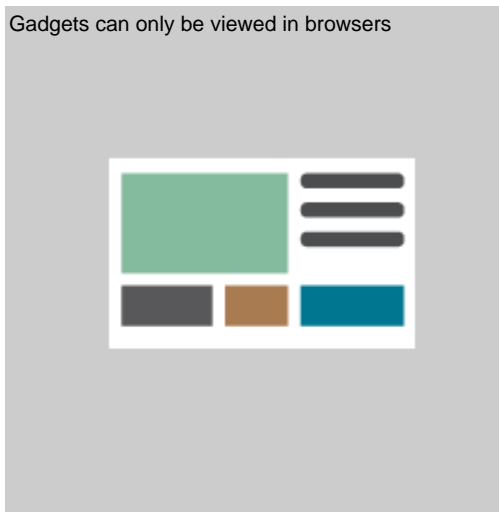
Assignee	Updated	Time Spent	Original Estimate	Remaining Estimate	Key	Summary	Status
Matt Haas	Apr 14, 2020 11:53	2 hours	2 hours	0 minutes	MHA5-59	Implement drawing functionality	DEVELOPMENT
Matt Haas	Apr 14, 2020 11:52	2 hours	2 hours	0 minutes	MHA5-56	Create functionality within Controller	DEVELOPMENT
Matt Haas	Apr 14, 2020 11:53	2 hours	2 hours	0 minutes	MHA5-55	Implement new classes	DEVELOPMENT
Matt Haas	Apr 14, 2020 10:03	30 minutes	30 minutes	0 minutes	MHA5-50	Create class diagram	DONE
Noah Ernst	Apr 16, 2020 10:52	1 hour	2 hours	1 hour	MHA5-85	Implement controller functionality	DEVELOPMENT
Noah Ernst	Apr 14, 2020 10:21	30 minutes	30 minutes	0 minutes	MHA5-84	Create UI Mockup	REVIEW READY
Noah Ernst	Apr 14, 2020 10:04	1 hour	30 minutes	0 minutes	MHA5-83	Create UI Mockup of Plot	REVIEW READY
Noah Ernst	Apr 15, 2020 20:07	40 minutes	1 hour	20 minutes	MHA5-52	Create GUI to graph on	DEVELOPMENT
Stuart Harley	Apr 16, 2020 10:52	10 minutes	2 hours	1 hour, 50 minutes	MHA5-61	Display data to table	DEVELOPMENT
Stuart Harley	Apr 14, 2020 13:59	2 hours, 50 minutes	2 hours	0 minutes	MHA5-57	Create Table GUI Window	REVIEW READY
Stuart Harley	Apr 14, 2020 10:18	20 minutes	30 minutes	0 minutes	MHA5-54	Create Table GUI Mock Up	REVIEW READY
Stuart Harley	Apr 09, 2020 12:24	15 minutes	30 minutes	0 minutes	MHA5-49	Add button to main GUI window to open up a table window	DONE
Stuart Harley	Apr 09, 2020 12:24	15 minutes	15 minutes	0 minutes	MHA5-48	Add row and column checks to specified tests	DONE
Stuart Harley	Apr 09, 2020 12:24	5 minutes	5 minutes	0 minutes	MHA5-47	Convert meters to feet and display	DONE

| Stuart Harley | Apr 09, 2020 12:24 | 5 minutes | 5 minutes | 0 minutes | MHA5-46 | Specify elevation in meters | DONE |
| Stuart Harley | Apr 09, 2020 12:24 | 10 minutes | 10 minutes | 0 minutes | MHA5-45 | Round remaining metrics to 2 decimal places | DONE |

16 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.

Edit the Sprint Burndown Gadget below; in the Edit Dialog that appears, select your team's board from the dropdown (e.g. "A1 Scrum Board")

Gadgets can only be viewed in browsers

Your burndown appears below; due to a Jira bug, it didn't appear here when your report was converted to PDF

NOTE: Make sure the correct information is displayed when you Save your report!

Individual Status

Review your status report from the previous week. In the Discussion section of the report, each team member is to indicate:

1. What you worked on since the last 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. Stuart made a mock up and the GUI window for the Table and has set it up so you can select which track you want from the loaded tracks.
   b. The bug fixes and JUnit improvements were done ahead of time by Stuart but are included in this sprint.
   c. Matt implemented rudimentary plotting functionality for the graph plotting 2D location data.
   d. Noah created the mockup and GUI window for the graph which utilizes a LineChart
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. Working around other classes   life at MSOE
   b. Underestimating the PBI time commitment to complete some of these sub tasks.
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 is working on displaying a graph to the line plot this week. The plan is for Stuart or Matt to attempt to get further ahead on their task so that we can help Noah with those other two subtasks (probably will involve creating calculation functions)
      MHA5-58 - For each point, plot distance vs time DEVELOPMENT
      MHA5-53 - Grab the necessary point data for each track DEVELOPMENT
   b. Matt will be plotting multiple tracks on the same plot and creating a table showing each track and its associated color.
      MHA5-63 - Allow multiple tracks to be displayed and removed one by one READY
      MHA5-69 - Create table showing distance and color of each track on plot READY
   c. Stuart will be working on displaying the data to the table this week, and testing it.

MHA5-61 - Display data to table `DEVELOPMENT`

MHA5-66 - Determine intended output for certain tracks `READY`   **MHA5-67** - Test/Debug table `READY`

MHA5-1 - 3. Plot location data on a 2D graph

d. Stuart and Matt will be trying to finish `DEVELOPMENT`   and

MHA5-15 - 19. Display Table of Times at Various Speeds
`DEVELOPMENT`   for the end of next week.

Action required

Issue	Reporter	Action/Resolution

Based on the above statements, I'm concluding you're talking about completing PBI 19 as well as 1 and 15?

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).
    - The mockups are the items that require validation/ comments from the product owner.
    - The bug fixes and JUnit improvements are complete.
- 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?
    - The number of subtasks we didn't allot time for are creeping up and will continue to increase I believe.
    - Getting stuck over how to implement a feature increases the amount of wasted time spent implementing some of these subtasks.
    - However, we are still confident we can get the everything done on time.
    - In this respect we both underestimated the number of subtasks it takes to implement a feature and the amount of time it takes to complete a feature because we only accounted for optimal work.
- **List what action(s) you will take to complete the work by the end of the sprint.**
    - Don't get fancy with implementation details, work on what is essential/required, get the base case working properly first.
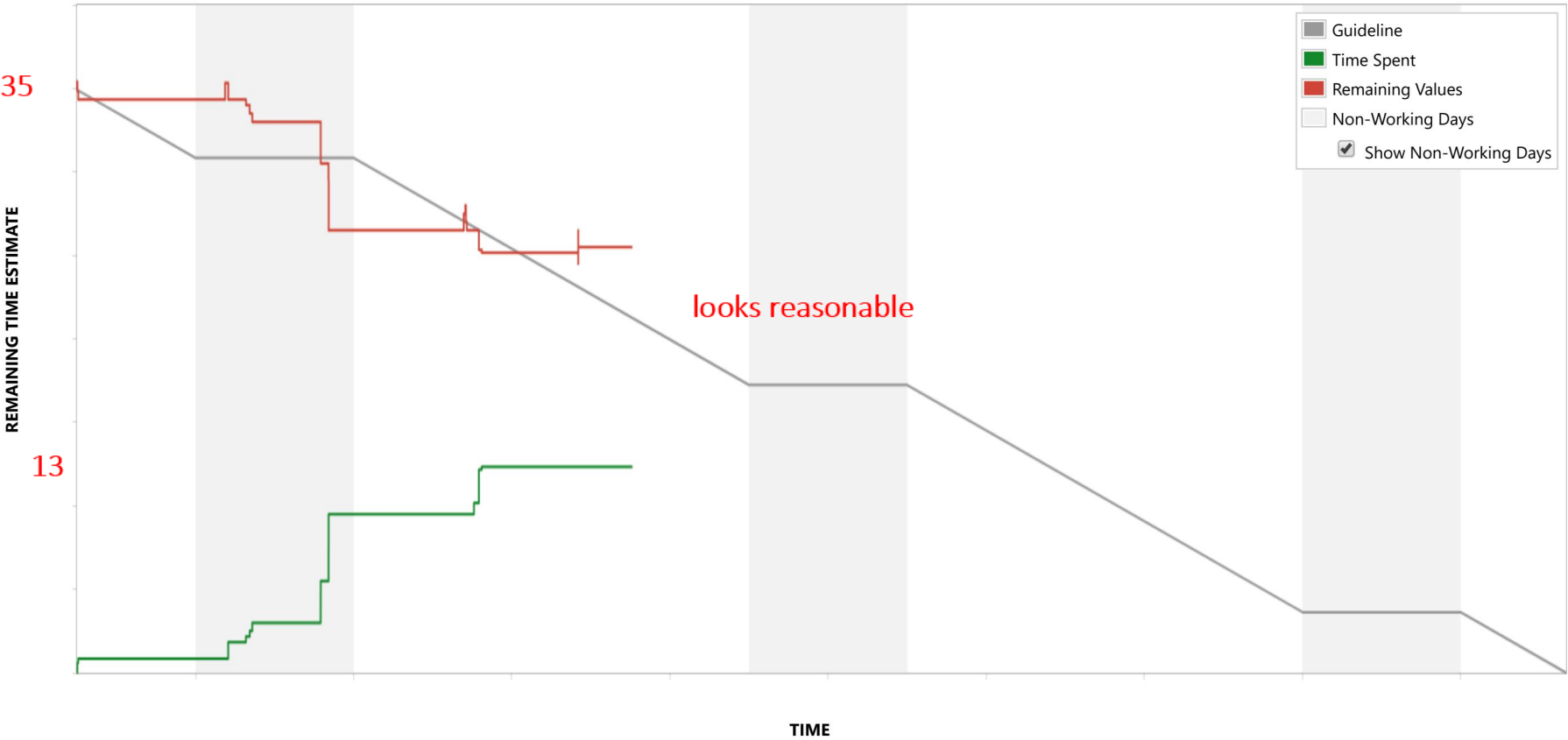
Burndown Chart

A5 Sprint 2   Remaining Time Estimate ▾

Legend:
- Guideline
- Time Spent
- Remaining Values
- Non-Working Days
- ☑ Show Non-Working Days

35

13

looks reasonable

REMAINING TIME ESTIMATE

TIME

				Time Spent		Remaining Time Estimate			
Date	Issue	Event Type	Event Detail	Inc.	Dec.	Sum	Inc.	Dec.	Remaining
09/Apr/20 12:00 PM	MHA5-1	Sprint start		-			-		
	MHA5-10			-			-		
	MHA5-13			-			-		
	MHA5-15			-			-		
				-			-		
	MHA5-19			-			-	10m	