SR02

for the

Hotspotter Bug Prediction Software

CS 425 / CS 499 Senior Project

by

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of

Team HotSpotter

SR02

Revision 1.1

As Of: 27 October 2015

During sprint 2, our team had 44 total hours estimated for the sprint. The hours primarily were all project based with very minor work done on class paperwork. The total time we spent 40.07 hours and we completed all the tasks we scheduled for this sprint.

The items that were produced by the end of this sprint were as follows:

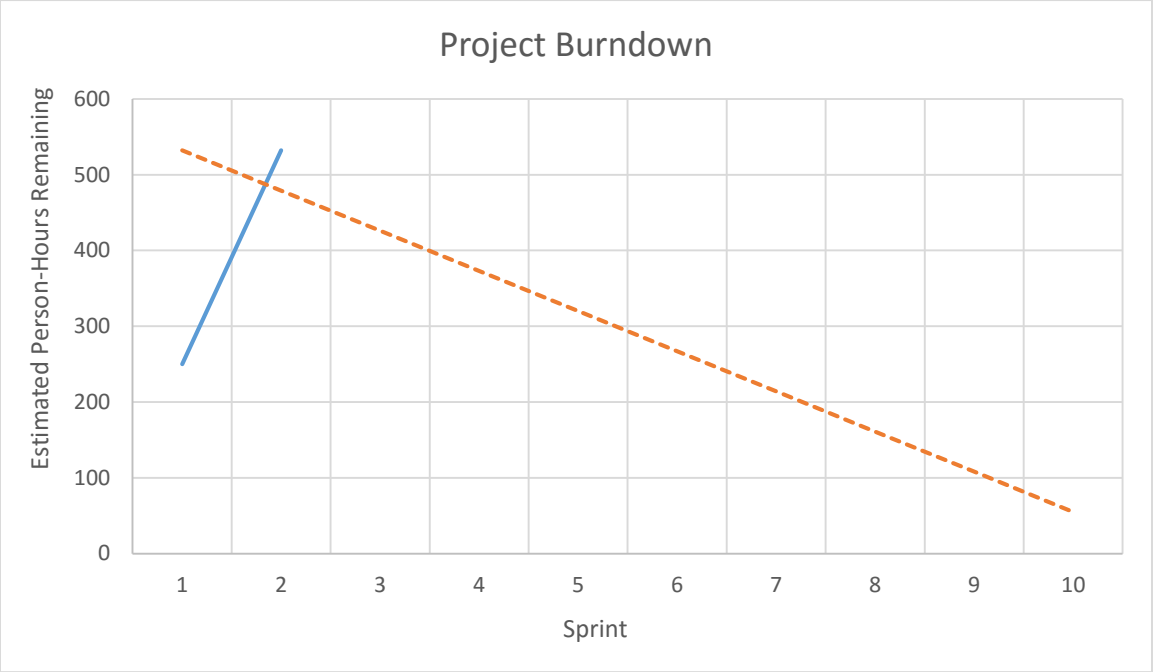
- Add Repository Functionality
    - This was the major task associated with this sprint. It included every layer of the stack; client side, server side, and database. The goal of this task was to have a user enter a git repo URL and have the application clone it. The tasks were split up as follows: Nate worked on the git wrapper service that allowed the application to clone git repositories through node. Spencer worked on the server api routing and database objects. Dylan worked on the front end UI that allowed the user to enter a git repository URL that is checked for formatting.
- Status Report Document
    - This was a tasks to compile a status report for the first sprint. Nate had primary responsibility with Dylan aiding in obtaining the graphs.

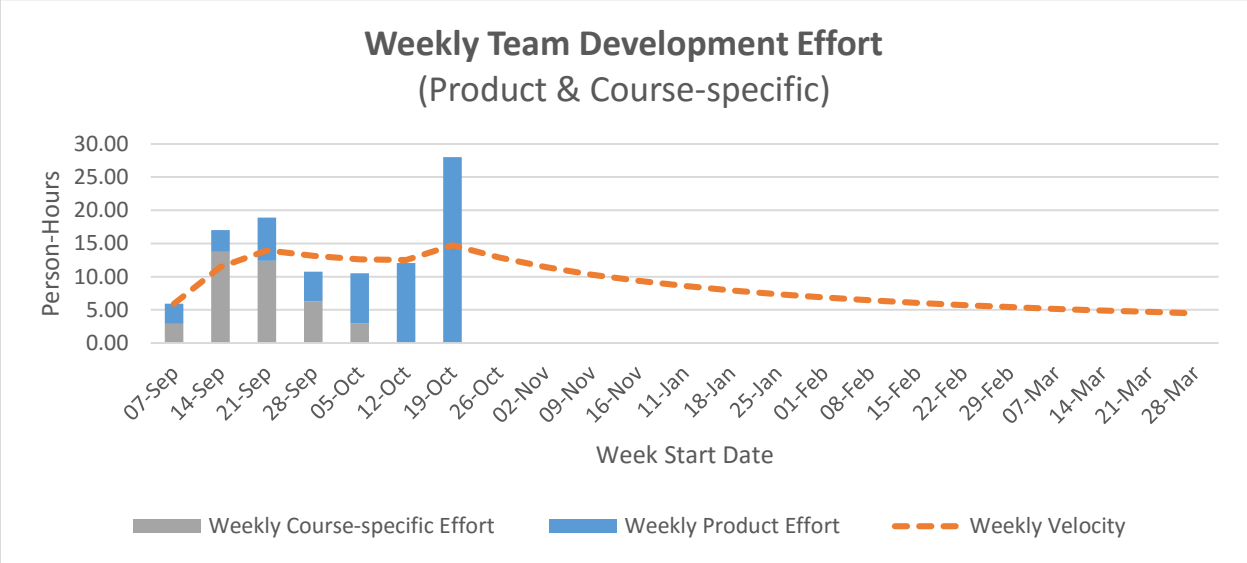
After the competition of these tasks, we updated our client Dr. Igor Crk. He was satisfied with our progress and wants us to continue on our effort.

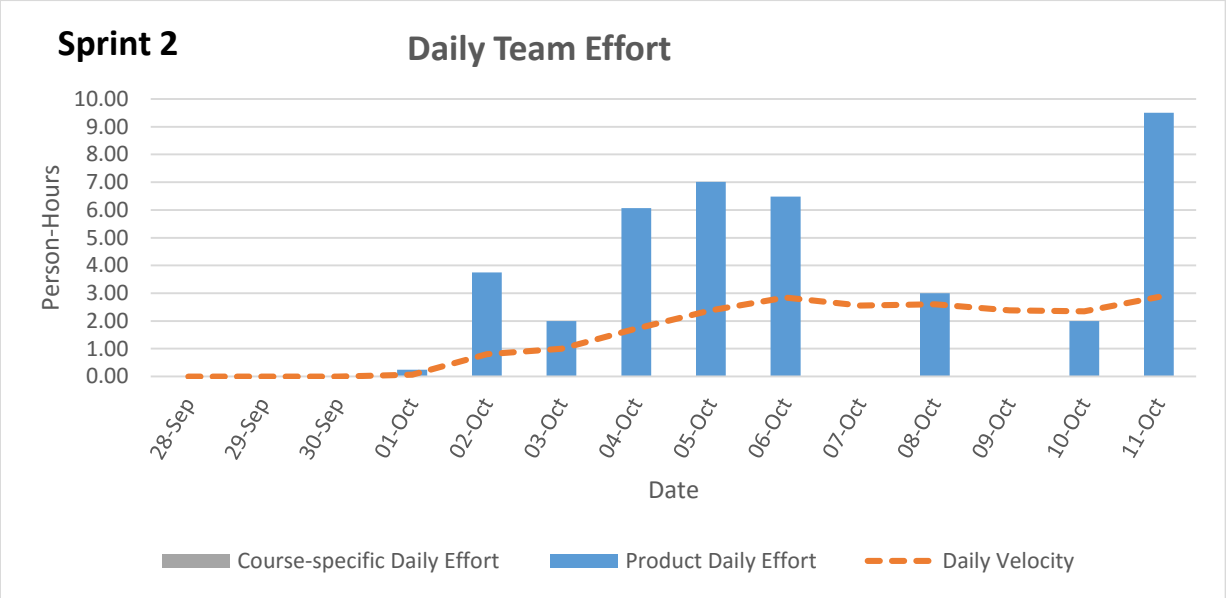
The major risks that were mitigated this sprint were knowledge of the tech stack used. Some major speed bumps were finding a proper NodeJS git wrapper that were well documented for use. Nate was able to get a repository cloned through node but was unable to write tests due to complexity. Our team plans to have paired programming sessions to better problem solve this tricky situation.

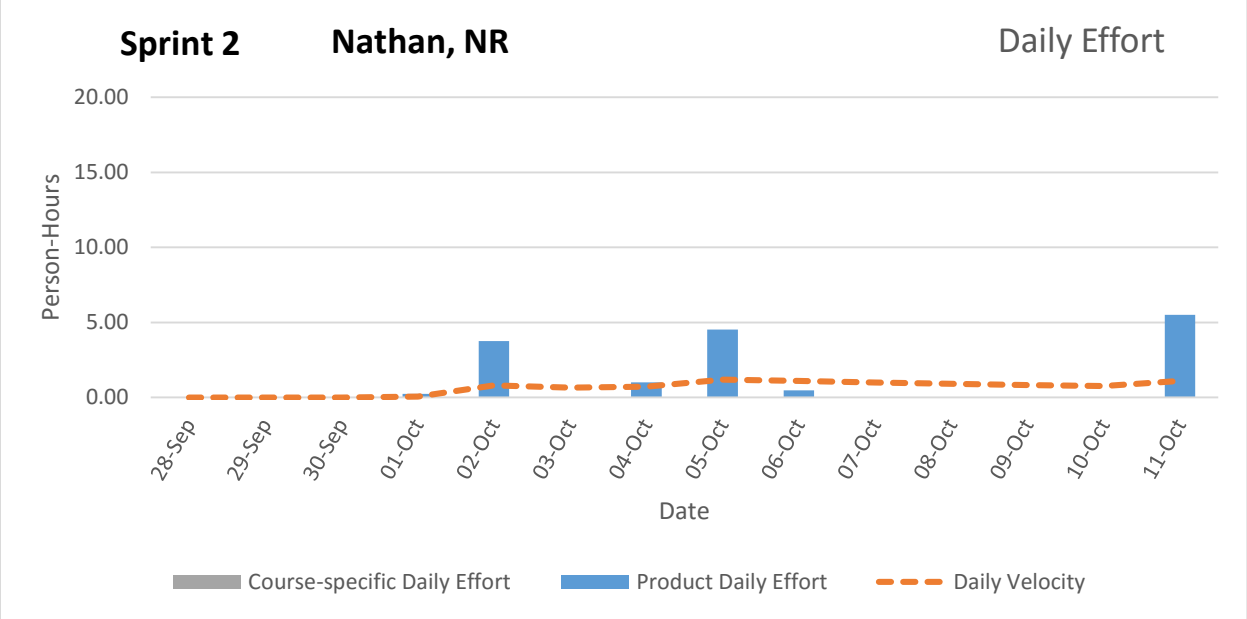
As a team we also sat down and re-groomed our entire backlog. Adding new items and re-evaluating original estimates on the current tasks. Our team went from 240 hours for the entire project to 532. We find this as a substantial increase but it is also more realistic. This doesn’t affect completion date.

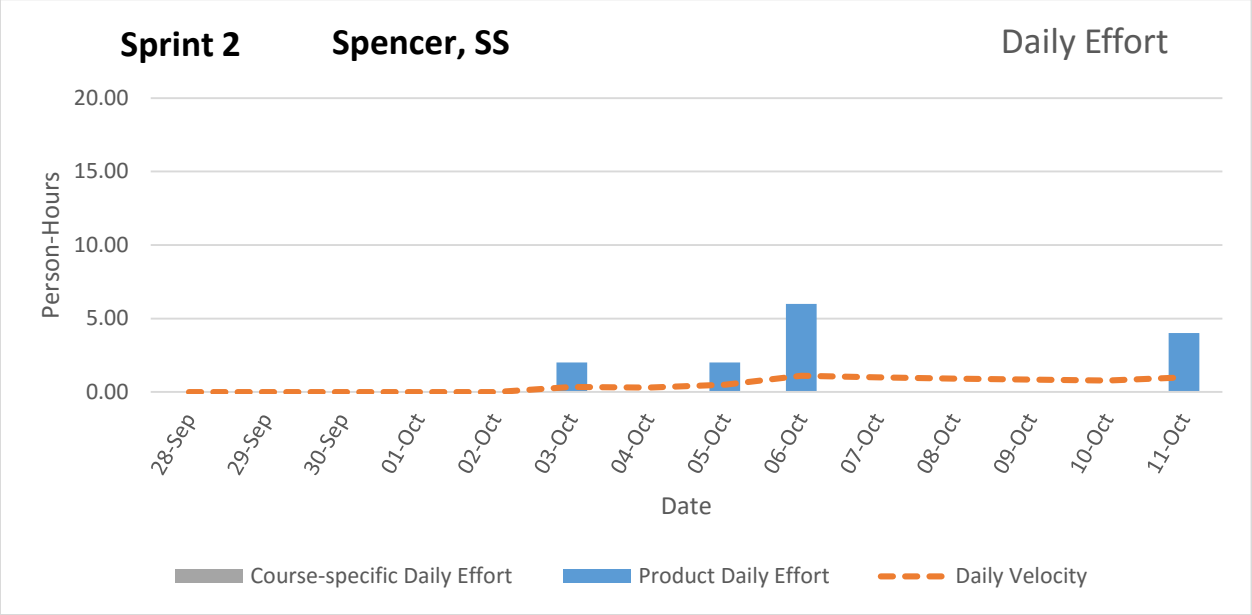
The team’s general consensus of the projects status is still optimistic. As we are getting into more technical operations with our tech stack we anticipate larger challenges to arise. The team believes that project will be achievable in the timeframe given.

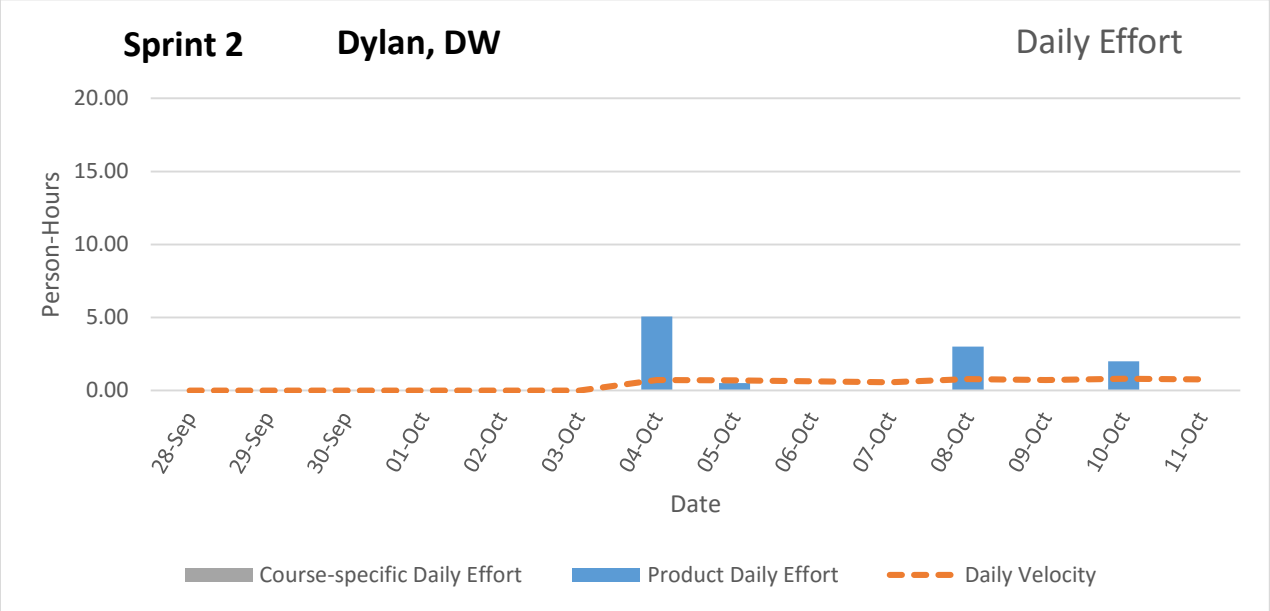

Project Burndown
Estimated Person-Hours Remaining
600
500
400
300
200
100
0
1
2
3
4
5
6
7
8
9
10
Sprint


Weekly Team Development Effort
(Product & Course-specific)
Person-Hours
30.00
25.00
20.00
15.00
10.00
5.00
0.00
07-Sep
14-Sep
21-Sep
28-Sep
05-Oct
12-Oct
19-Oct
26-Oct
02-Nov
09-Nov
16-Nov
11-Jan
18-Jan
25-Jan
01-Feb
08-Feb
15-Feb
22-Feb
29-Feb
07-Mar
14-Mar
21-Mar
28-Mar
Week Start Date
Weekly Course-specific Effort
Weekly Product Effort
Weekly Velocity


Sprint 2
Daily Team Effort
10.00
9.00
8.00
7.00
6.00
5.00
4.00
3.00
2.00
1.00
0.00
Person-Hours
28-Sep
29-Sep
30-Sep
01-Oct
02-Oct
03-Oct
04-Oct
05-Oct
06-Oct
07-Oct
08-Oct
09-Oct
10-Oct
11-Oct
Date
Course-specific Daily Effort
Product Daily Effort
Daily Velocity


Sprint 2
Nathan, NR
Daily Effort
20.00
15.00
10.00
5.00
0.00
Person-Hours
28-Sep
29-Sep
30-Sep
01-Oct
02-Oct
03-Oct
04-Oct
05-Oct
06-Oct
07-Oct
08-Oct
09-Oct
10-Oct
11-Oct
Date
Course-specific Daily Effort
Product Daily Effort
Daily Velocity


Sprint 2
Spencer, SS
Daily Effort
20.00
15.00
10.00
5.00
0.00
Person-Hours
28-Sep
29-Sep
30-Sep
01-Oct
02-Oct
03-Oct
04-Oct
05-Oct
06-Oct
07-Oct
08-Oct
09-Oct
10-Oct
11-Oct
Date
Course-specific Daily Effort
Product Daily Effort
Daily Velocity


Sprint 2
Dylan, DW
Daily Effort
20.00
15.00
10.00
5.00
0.00
Person-Hours
28-Sep
29-Sep
30-Sep
01-Oct
02-Oct
03-Oct
04-Oct
05-Oct
06-Oct
07-Oct
08-Oct
09-Oct
10-Oct
11-Oct
Date
Course-specific Daily Effort
Product Daily Effort
Daily Velocity

Reviewed and Approved by:

Name	Signature	Date
Nathan Reinhardt	_____	_____
Spencer Smith	_____	_____
Dylan Williams	_____	_____