

SR05

for the

Hotspotter Bug Prediction Software

CS 425 / CS 499 Senior Project

by

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of

Team HotSpotter

SR04

Revision 1.1

As Of: 01 February 2016

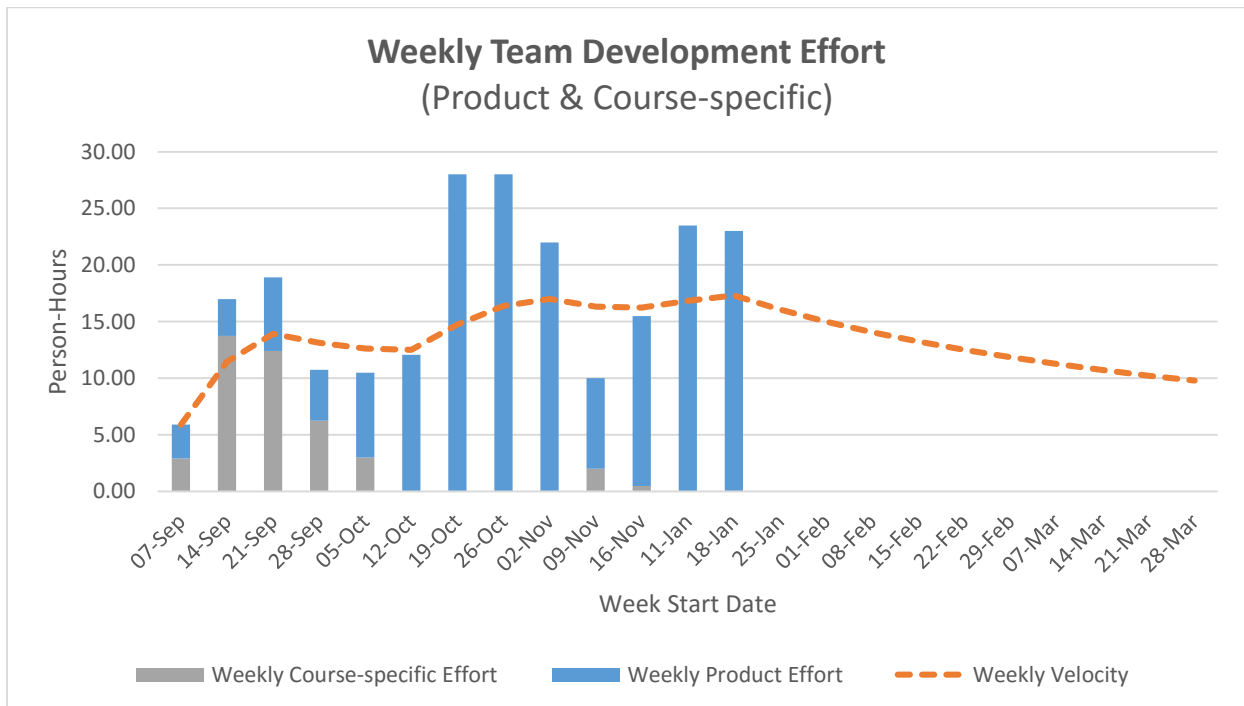
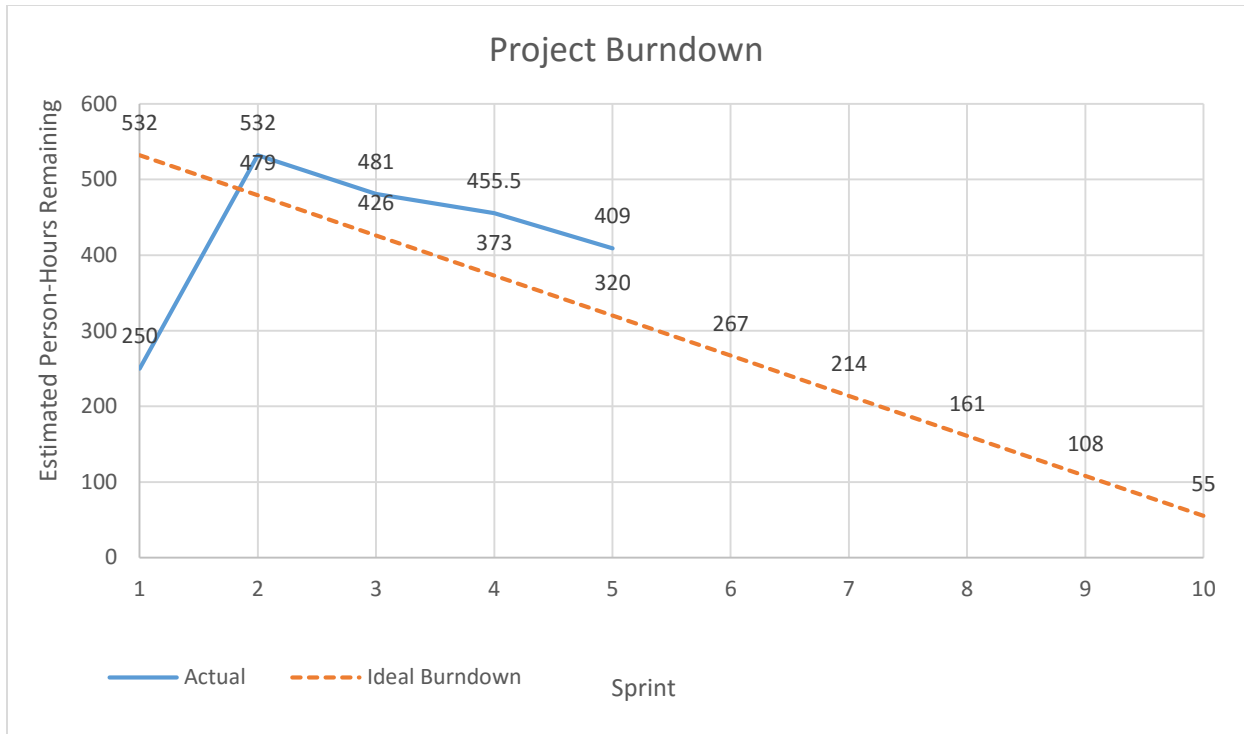
During sprint 5, our team had 60 total hours estimated for the sprint. The hours were entirely project based and we spent 0 time working on documentation. The total time we spent 46.5 hours and finished everything we had to planned with this sprint.

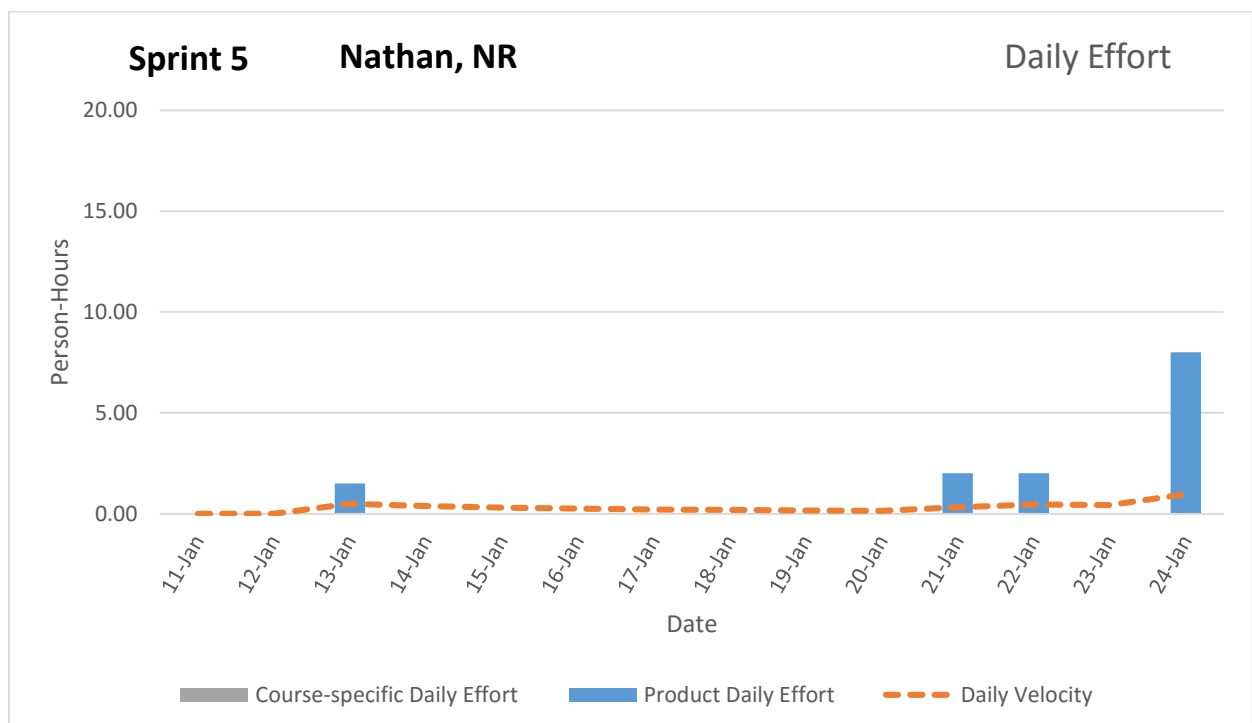
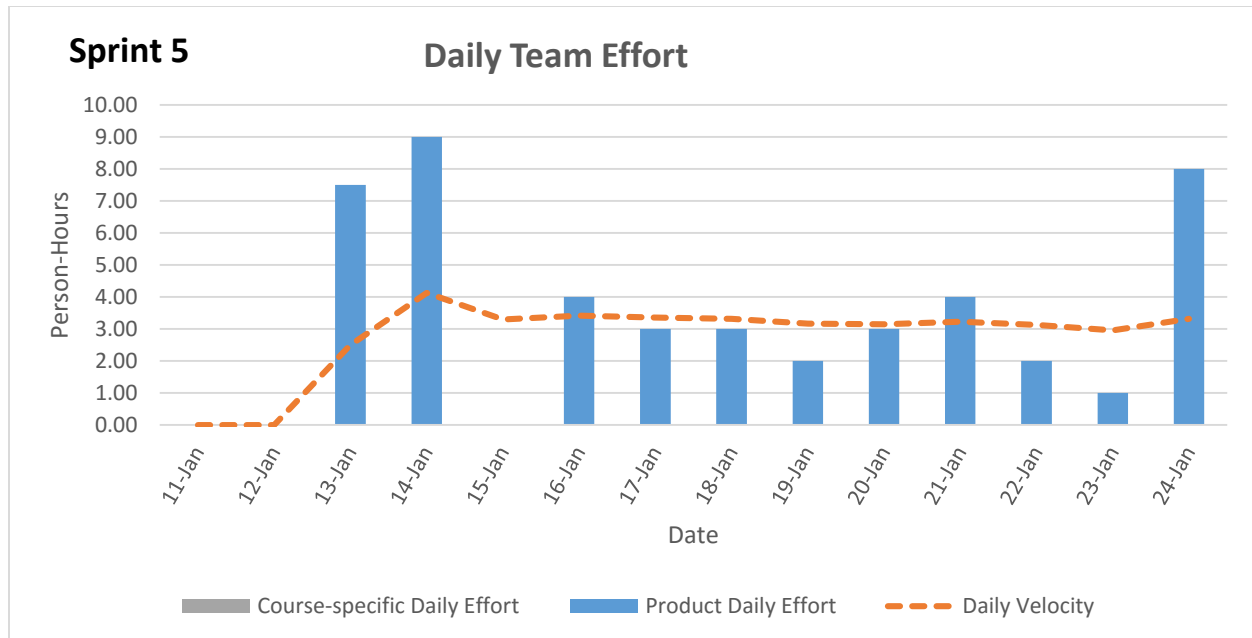
The items that were produced by the end of this sprint were as follows:

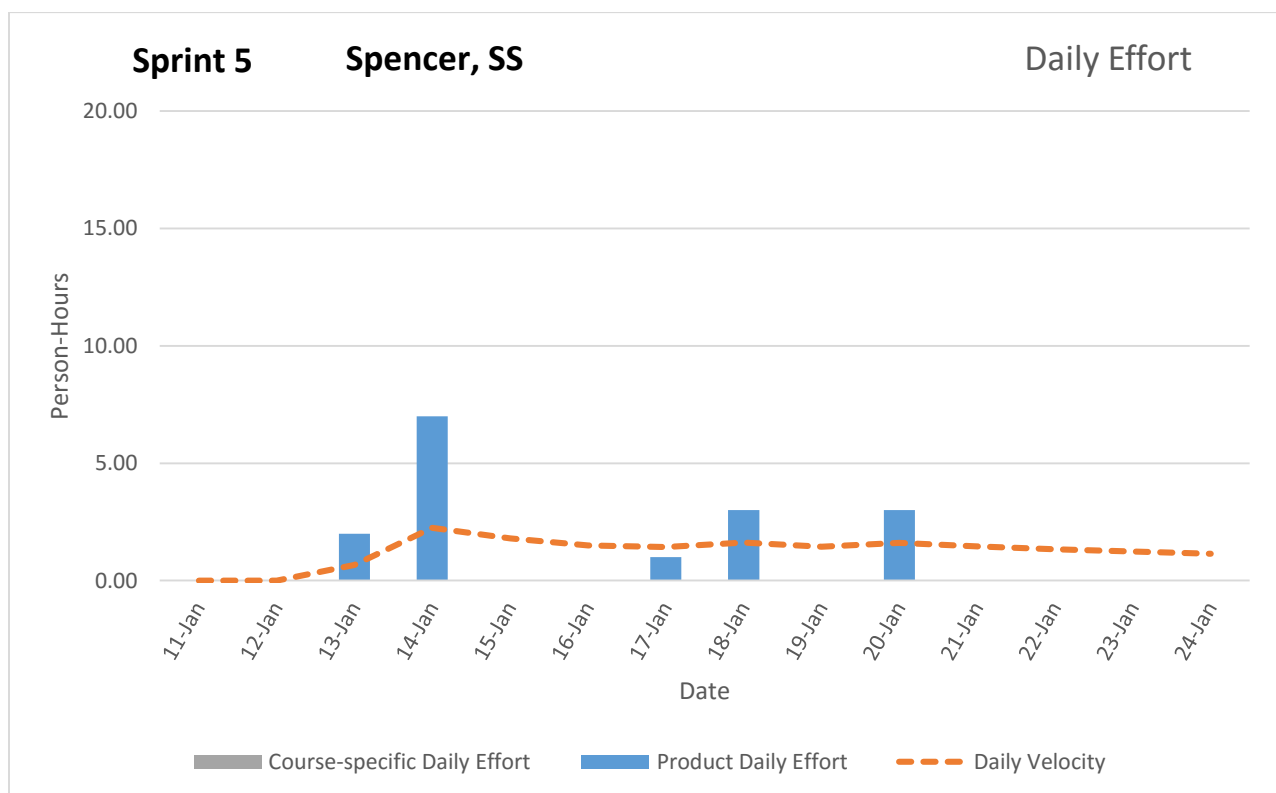
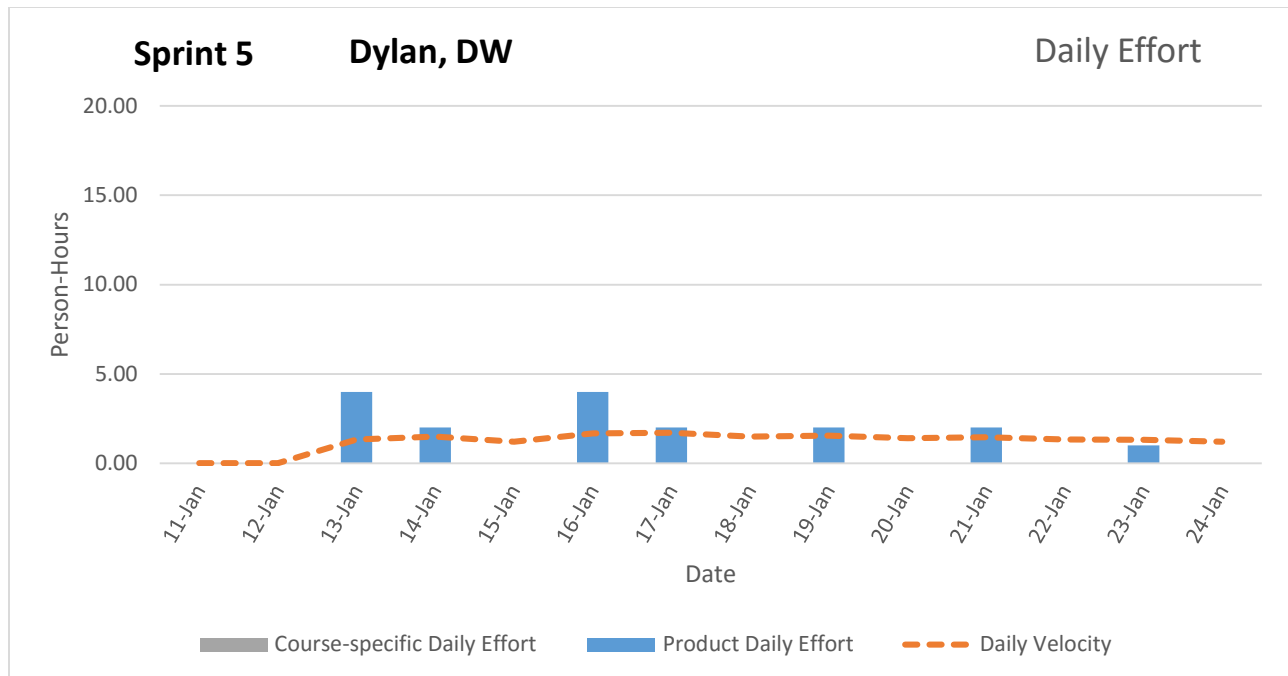
- Checkout Multiple Repos
 - This was a very important portion of our project. Moving from our prototype where you were only able to check out 1 repo, this allowed you to check out many without resetting the application. Dylan primarily worked on this effort and spent a total of 16 hours.
- Research Scoring Algorithm
 - As a team we split this task up. We equally spent 4 hours on this effort and met to talk about our findings. We have found another keystone in the algorithm will be commit times.
- Store Repo Scores and Meta Data
 - This effort was primary spear headed by Spencer. This allowed our algorithm to only run once and then recall the information from the database when the information is called for. Spencer spent a total of 11 hours on this.
- Research and POC of Testing of Framework
 - This effort was led by Nate. He was in charge of seeking out a testing framework to use for both backend and front end. We descended to go with Jasmine tests for the front end and Mocha tests for the backend. Nate successfully implemented 1 tests in the front in to prove a proof of concept and a lot set up full automation. Nate spent 6.5 hours on this effort.

After the completion of these tasks, we updated our client Dr. Igor Crk. He wants us to focus primarily on figuring out a good algorithm with data supporting why it is good. He is impressed with our efforts so far.

The major risks posed this sprint was getting the testing framework set up and tests wrote. It has been found to be very difficult to orchestrate meaningful tests with how our project is currently set up. Much time and refactoring is needed by all members to master this art. The team's general consensus of the projects status is still very optimistic. Having a fully working application allows us to really focus on molding it into something meaningful.







Reviewed and Approved by:NameSignatureDate

Nathan Reinhardt

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