**Sprint Report Document**

IBM

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(This document is completed at the end of each sprint. It contains information regarding what has been accomplished as well as some reflective thoughts.)

**1. Sprint Planning Meeting -** 03-14-2017

**1.1 Sprint Backlog**

https://github.com/marshallford/ndsu-ibm-capstone/projects/3

**2. Sprint Review Meeting – 2017-04-05**

**2.1 Customer Demo**

We shared our progress towards data collection from Gerrit into a csv and live data streams via SSH to Matt and Adam during our weekly meeting.

**2.2 Stakeholder Involvement Review**

Our sponsors Matt and Adam have had a good amount of involvement in our project so far. They are willing and able to answer any questions we have for them, and seem very knowledgeable about the topic. They come to each meeting with some ideas and examples that we can use that help us with our project.

**2.3 Data Management Review**

We had no issue with data management. Any data we used is publicly available. We only need credentials for live streaming from Gerrit which we have. All of our work is available on GitHub, an online Git repository service. We are using Google docs and Blackboard to manage our documentation

**2.4 Requirements/User Story Review**

With the addition of the Gerrit project we have added new user stories:

* A data researcher can collect specific metadata categories from open status Gerrit changes including deletions, insertions, change ID, project name, author ID, and verified status.
* When a programmer submits a change to an OpenStack project, the trained TensorFlow model will automatically predict the likelihood of a change passing Jenkins.

**2.5 Progress Review**

During this sprint, we have:

* Completed the data collection module
* Live data event streaming from Gerrit via ssh

**3. Sprint Retrospective Meeting - 2017-04-20**

**3.1 Top Highlights**

* New direction allows for better demo at final project

**3.2 Top Lowlights**

* New direction, not a lot of time (Feature creep)

**3.3 Reflection on Improvements**

* We left our work from Sprint 1 and 2 as is, shifting focus area. We have made significant improvements in the new focus over Sprint 3.

**4. (Include this section for your final sprint)**

**4.1 Recommendations for Future Projects**

<< Base on your experience, list any recommendations that you might have for future student teams working on capstone projects. >>

**4.2 Project Size and Effort Estimates**

**4.2.1 Size Estimates**

|  |  |  |
| --- | --- | --- |
| **Metric** | **Estimate** | **Actual Size** |
| SLOC | 2000 Lines | 2457 Lines |
| Classes | 12 Classes | 11 Classes |
| Modules | 3 Modules | 3 Modules |
| Help Document | 15 Pages | 25 Pages |
| User Story Points | 142 points | 172 points |

<< Provide a description of how your estimates compared with the actual values. Discuss why you believe (e.g. lack of experience, changes in requirements, etc.) any deviations occurred. Complete for whichever metrics your team used>>

**4.2.2 Effort Breakdown**

<< Complete the following table by breaking down the amount of effort (as a %) that was spend during each of the following stages of the project. >>

|  |  |
| --- | --- |
| **Project Area** | **% Effort** |
| Training | e.g. 5% |
| Requirements | 15% |
| Design | 20% |
| Coding | 25% |
| Testing | 25% |
| Mid-term and Final Reports | 10% |