**Sprint Report Document**

IBM

Kyle Merfeld

Carl Molnar

Gran Christianson

Marshall ford

(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 -** 2017-4-20

**1.1 Sprint Backlog**

https://github.com/marshallford/ndsu-ibm-capstone/projects/2

**2. Sprint Review Meeting –** 2017-05-09

**2.1 Customer Demo**

We showed off our final project to Matt and Adam during the weekly meeting.

Everything they asked for was completed and in the demo.

**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**

We have added the following user stories:

* The model can be uploaded and downloaded to/from Amazon S3 after the model is trained.

**2.5 Progress Review**

During this sprint, we have:

* Started and finished the majority of our project’s second half.
* Created our tensorflow model to test whether or not a prediction could be made based on git commit metadata.

**3. Sprint Retrospective Meeting -** 2017-05-09

**3.1 Top Highlights**

* Finished our project, meeting customer goals
* Gave a successful final presentation

**3.2 Top Lowlights**

* Fell significantly behind on documentation

**3.3 Reflection on Improvements**

In future sprints, we would need to have a routine and designated roles for getting documentation done on time.

**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. >>

Have a clear version of what the project is from the start

**4.2 Project Size and Effort Estimates**

**4.2.1 Size Estimates**

|  |  |  |
| --- | --- | --- |
| **Metric** | **Estimate** | **Actual Size** |
| SLOC | 2000 Lines | 1567 lines |
| Classes | 0 | 0 |
| Modules | 3 Modules | 3 Modules |
| Help Document | 40 lines | 35 lines |
| User Story Points | 21 | 21 |

<< 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 | 40% |
| Requirements | 10% |
| Design | 30% |
| Coding | 10% |
| Testing | 10% |
| Mid-term and Final Reports | 10% |