Weather Forecaster

Agile Tracking Sheet

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03/16/2023

CS 225, Spring 2023

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Table 1: User Story Summary

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **User**  **Story ID** | **User**  **Story** | **Completeness**  **Criteria** | **Effort**  **Estimate**  **(hours)** | **Priority** | **Worked in**  **Sprint**  **(Estimated)** |
| 1 | As a developer I want to be able to test my software. | All classes exist with all their respective attributes. The methods are empty. | 8 | 1 | 1 |
| 2 | As a developer, I want to be able to receive user input | Method exists to read from file input. | 2 | 2 | 1 |
| 3 | As a developer, I want to be able to pass the user input to each model to predict data. | Parameters and methods exist to pass the data where necessary | 2 | 3 | 2 |
| 4 | As a developer, I want to be able to predict data using polynomial regression. | Methods exist to train and predict model using polynomial regression. | 4 | 4 | 2 |
| 5 | As a developer, I want to be able to predict data using linear regression. | Method exists to train and predict data using linear regression. | 4 | 5 | 2 |
| 6 | As a developer, I want to be able to find the average of polynomial and linear regression | Methods exist to calculate the average between linear and polynomial regression data. | 2 | 5 | 3 |
| 7 | As a developer, I want to be able to cleanly output all data to a file and allow the user to generate this file if they choose. | Method exists to output all data to a file. | 2 | 6 | 3 |
| 8 | As a user, I want to be able to view the data in a simple format without too many complications. | Method exists to keep the data organized and make it easy to analyze | 1 | 7 | 4 |
| 9 | As a user, I want to be able to output the given data to a file to save for future reference | Method exists to give user an option to receive a file with all generated data. | 1 | 8 | 4 |
| 10 | As a user, I want to be able to repeat the process and receive new data | Method exists to loop so the user can receive a new set of data. | 1 | 9 | 4 |

Table 2: Sprint Work Summary

|  |  |  |  |
| --- | --- | --- | --- |
| **Sprint** | **Backlog** | **In Work**  **This Sprint** | **Completed**  **This Sprint** |
| 1 | 3,4,5,6,7,8,9,10 | 1,2 | 1,2 |
| 2 | 6,7,8,9,10 | 3,4,5 | 3,4,5 |
| 3 | 8,9,10 | 6,7 | P6 |
| 4 | P6 | P6 | P7 |

Table 3: Weekly Remaining Effort Estimate (Burn Down Chart)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Start\*** | **Mar 20** | **Mar 27** | **Apr 3** | **Apr 10** | **Apr 17** | **Apr 24** | **End** |
| Planned | 24 | 20 | 16 | 12 | 8 | 6 | 3 | 0 |
| Actual | 24 | 20 | 18 | 15 |  |  |  |  |
| \* Start date of Mar 13 is optional, as it is the beginning of Spring Break. You may treat Mar 20 as the start date. | | | | | | | | |