

Sprint Plan 1

Product Name: Style

Team Name: Style Team

Sprint Completion Date:

Revision Number: 1

Revision Date: July 3/4

Goal: We want to create code that can analyze statistics of a writing sample, compare these statistics to that of famous authors, and tell the user which famous author their writing style resembles the most. We also want to create a website that has all the functions needed to read our code.

Task Listing, Organized by User Story:

1 Button

- As a user, I want to finish the whole process with one button because it is more user friendly. (Time: 2)
 - Task: Create a single, working button on the website (Time: 2)
 - Kevin and Alex

Clean Order

- As a user, I want to be able to locate the information and statistic of the result because it is more user friendly. (Time: 3)
 - Task: UI - (Time: 1)
 - Kevin and Alex
 - Task: Testing - (Time: 1)
 - Kevin and Alex
 - Task: Research: (Time: 1)
 - Done by Everyone

60% Accuracy

- As a developer, I want to have 60% accuracy because machine learning is our main learning point in this project. Time: 8)
 - Task: Testing - (Time: 4)
 - Done By Everyone
 - Task: Debugging - (Time 4)
 - Priya and Misha

Ton of Data from Different Authors

- As a user, I want to more samples from different authors because I want a accurate result. (Time 8)
 - Choice Bits: - (Time: 4)
 - Ray, Priya, and Alexandra
 - Compile into Text Doc - (Time: 4)
 - Ray, Priya, and Alexandra

More Statistics = Better

- As a developer, I want to do word frequency, word length, sentence length and punctuation because authors have their unique word choices and style which can increase our accuracy. (Time: 5)
 - Task: processing/preprocessing - (Time : 5)
 - Priya and Ray

Learning

- As a developer, I want to study machine learning and website design because I can use what I learn in this project. (Time: 18)
 - Task: Go through websites, tutorials, and manuals and learn what is needed to complete the assignment - (Time: 13 for website, 5 for machine learning)
 - Done by everyone

Modern writing (no poetry) (**Person: P & A & R**) (**Time: 1**)

- As a developer, I want to non-poem and more modern language data because I want to increase the accuracy of the machine. (Time: 1)
 - Task: Find different samples of works from “modern” famous authors that we can use in our analysis - (Time: 1)

Website (Text box, HTML, Javascript, CSS, Integration)

- As a developer, I want to use website because users usually do their writing with computer, and it is more convenient to them. (Time: 5)
 - Task: Create a website - (Time: 2)
 - Done by Alexandra and Kevin
 - Task: Integrate Machine Learning code into Website - (Time: 3)
 - Done by Alexandra and Kevin

Machine Learning (Text, Machine Code)

- As a developer, I want to use machine learning because machine learning will be the technology widely used in the future. (Time: 5)
 - Task: -- - (Time: 2)
 - Done by Priya and Ray
 - Task: -- - (Time: 3)
 - Done by Misha

Team Roles:

- **Alexandra**
 - Team Member
- **Kevin**
 - Product Owner, Scrum Master, Team Member
- **Misha**
 - Team Member
- **Priya**

- Team Member
- **Ray:**
 - Team Member

Initial Task Assignment:

- **Alexandra**
 - 1 Button, Clean Order, Ton of Data from Different Authors, Learning, Modern Writing, Website
- **Kevin**
 - 1 Button, Clean Order, Learning, Website
- **Misha**
 - 60% Accuracy, Learning, Machine Learning
- **Priya**
 - 60% Accuracy, Ton of Data from Different Authors, Learning, More Statistics, Modern Writing, Machine Learning
- **Ray:**
 - Ton of Data from Different Authors, Learning, More Statistics, Modern Writing, Machine Learning

Initial Burnup Chart:

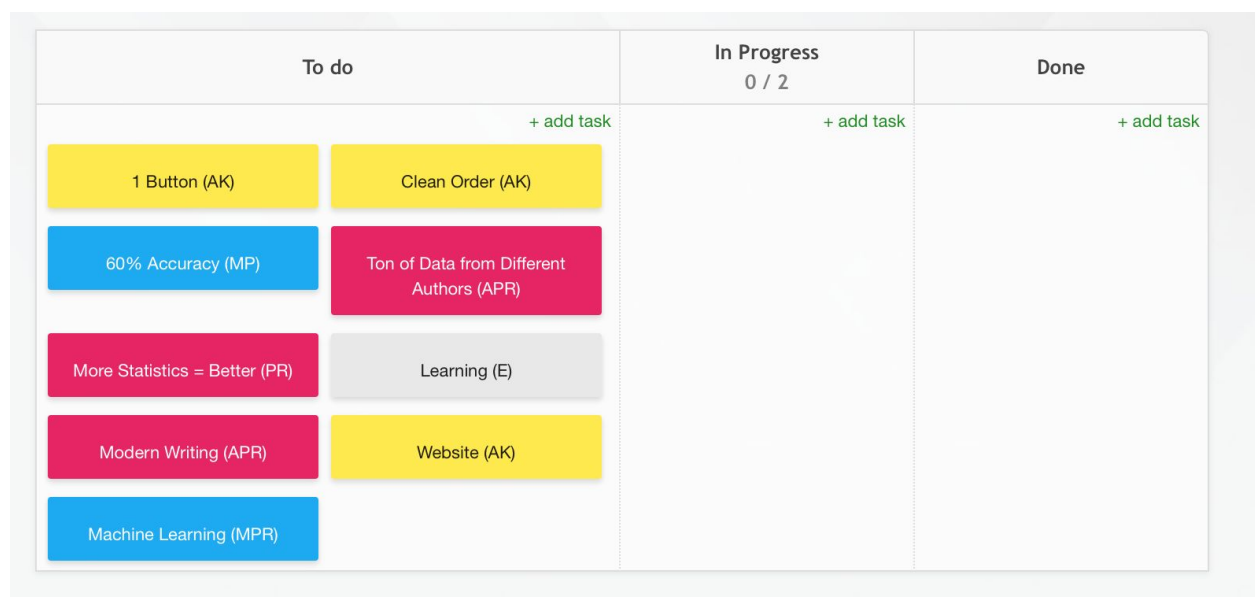
Initial Scrum Board:

I made this one to make it easy to update. Everyone's initials are next to the task they are assigned (E stands for everyone). Tasks are color-coded: yellow = website, pink = data, blue = machine learning, white = research. The website's free-use only allows 3 people to work on this, so I made an account and you guys can use it if you want to update the scrum board, or you can let me know what is in progress/completed

Website: <https://style-cs115.kanbantool.com/dashboard>

Username: Alexandra

Password akmpr511



Scrum Times:

Tuesday July 3, 5:00-5:30 **WITH TA**

Tuesday July 3, 5:30-6:30

Thursday July 5, 5:00-5:30 **WITH TA**

Thursday July 5, 5:30-6:30

Monday July , 12:30-1:30