Release Plan

Product Name: BananaStocks
Team Name: Banana Stocks
Release Name: First Release
Release Date: June 1st, 2021
Revision Number: #0
Revision Date: Apr 5th, 2021

High level goals (listed in priority order)
- Have a login page for customers (i.e. username, password, sign-in button, title)
- Landing page that can be interacted with and displays useful and clear data
- Sentiment analysis for various stocks
- "Reputation" system for news sources

User stories

Sprint 1

Story points	User story
5	As a customer, I should be able to type in the correct username and password to access my account through the login interface
2	As a developer, I should have a UI that can be used by the customer to input their login info
2	As a developer, I should have criteria for data about my news sources
5	As a customer, I should be able to look at various news sources
3	As a developer, I should store user login information into a table
8	As a customer, I should be able to create an account and input my information

Sprint 2

Story points	User story
2	As a developer, I should develop an API endpoint to service a request from a user to return their relevant stock information.
8	As a customer, I should be able to interact with the landing page and see relevant stock data.
5	As a developer, I should authenticate user requested stocks as valid through an API call
5	As a developer, I should store the necessary data to analyze and present to the user
5	As a developer, I should implement refresh tokens and Google OAuth

Sprint 3

Story points	User story
5	As a developer, I should organize our training data (articles, prices, etc) of stocks into datasets.
3	As a developer, I should train our NLP model.
3	As a developer, I should implement several Open Authentication methods
8	As a developer, I should be able to display stock data on a chart from our models

Sprint 4

Story points	User story
3	As a developer, I should be able to send a projected value of a stock when requested by the frontend
3	As a customer, I should be able to view the current projected price of a stock at some point into the future

Product Backlog

Priority	BananaStocks Backlog Items	Story Point Estimate
1	Ensure proper validation for each user account, e.g. checking the username or email is not in the database.	3
2	Begin devising table/schema for news items, including some basic algorithm for grouping sentiment to topic	5
3	Adding unit tests for storing login information endpoint	5

Project presentation
https://docs.google.com/presentation/d/1RKfrdbueUDrrl9_SjDJk2FTlRNQYZYOqnaBBiQ3-lXU/edit?usp=sharing