Senty: Milestone 2

Project Requirements:

Project Requirements

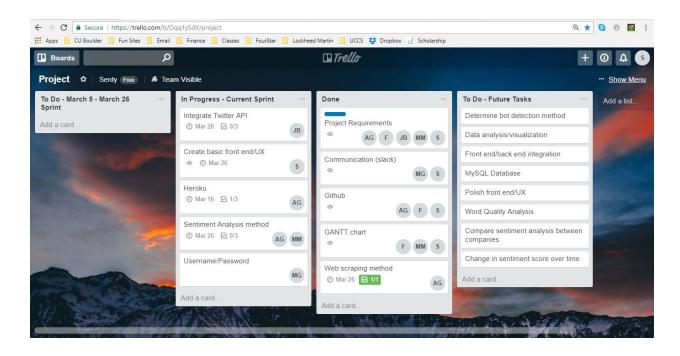
Critical Features: Our critical features are Agile-centered. We are making a baseline fundamental version of the backend and branching out features from there.

- Webscraping- We will use web scraping python libraries to parse the website SeekingAlpha. From there we want to do sentiment analysis on articles and produce a score for an article.
- Username/Password- This will attach stock searches to individual accounts. Making the data more valuable and providing another angle to analyze. Along with a layer of security.
- Sentiment Analysis (SA) We will use an SA library to calculate the scores for us. Giving us the actual numbers to assign each article.
- Design- Pleasant user facing design is needed to attract and retain users.
- Database- Will store data. Time organized data based on when searches are calculated, and user organized data based on who searches for what. Both provide sellable perspectives.
- Backend code- The features and web scraping that produce scores

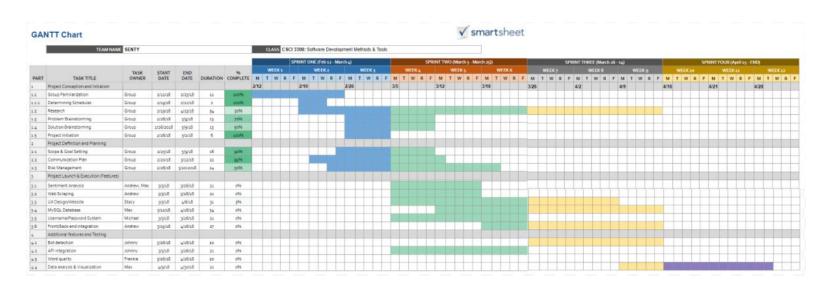
Secondary Features: These are things we could build off of the database and backend data that is produced.

- Bot Security System- Bots could skew data, not allowing too many searches in a given time period could help
- Word Quality Library- Quality of articles could also add weight or remove weight to articles written, producing a more accurate score.
- Twitter/Other APIs- More angles for stock analysis could produce more data to sell.
- Doing analysis on user produced data- Produce charts and other analysis on the data that is produced.
- Hypothetically compiling and selling user produced data to companies

ScreenShot of Trello:



ScreenShot of Gantt Chart:



Zoom of Gantt Chart:

Left Side:

	TEAM NAME	SENTY						CLAS	SS CS	CI 330	8: So	ftware	Devo	lopm	ent M	ethod	is &	Tools													
						% COMPLETE	SPRINT ONE (Feb 12 - March 4)													SPRINT TWO (March 5 - Marc							th 25))				
PART	TASK TITLE	TASK OWNER	START	END DATE	DURATION		WEEK 1			F	м	WEEK		F M		WEEK:			М	-	W R F			M T W			F	M	WEEK 6		R F
1	Project Conception and Initiation	OWNER	DAIL	DAIL	DOMATION	COMIT LETE	2/12			100	/19				2/26				3/5				110	12		- 1	-	3/19			
1.1	Group Familiarization	Group	2/12/18	2/23/18	11	100%																			\top	T					Т
1.1.1	Determining Schedules	Group	2/19/18	2/21/18	2	100%											1		2 2					- 1	1	T	П			_	T
1.2	Research	Group	2/19/18	4/13/18	54	30%		T																							
1.3	Problem Brainstorming	Group	2/26/18	3/9/18	13	7096		T																							T
1.4	Solution Brainstorming	Group	2/26/2018	3/9/18	13	50%																			T	П					T
1.5	Project Initiation	Group	2/26/18	3/2/18	6	100%																			Т		П				T
2	Project Definition and Planning																														
2.1	Scope & Goal Setting	Group	2/23/18	3/9/18	16	90%		T																	Т	П					T
2.2	Communication Plan	Group	2/20/18	3/12/18	22	95%																									
2.3	Risk Management	Group	2/26/18	3/20/2018	24	50%																									T
3	Project Launch & Execution (Features)																														
3.1	Sentiment Analysis	Andrew, Max	3/5/18	3/26/18	21	096								П	-	1	7												_	_	+
3.2	Web Scraping	Andrew	3/5/18	3/26/18	21	096		1	1		\pm	1																		_	T
3.3	UX Design/Website	Stacy	3/5/18	4/6/18	31	596		7	\top			\top					1														
3.4	MySQL Database	Max	3/12/18	4/16/18	34	096		T		П	T					1	T														
3.5	Username/Password System	Michael	3/5/18	3/26/18	21	096																									
3.6	Front/Back-end integration	Andrew	3/19/18	4/16/18	27	096											T				П		Т		Т	П					
4	Additional features and Testing																			Ī											
4.1	Bot detection	Johnny	3/26/18	4/16/18	20	096																	T		T						T
4.2	API integration	Johnny	3/5/18	3/26/18	21	096																									
4.3	Word quality	Frankie	3/26/18	4/16/18	20	096													8 8					- 0							
4.4	Data analysis & Visualization	Max	4/9/18	4/30/18	21	096																				\Box					

Right Side:



Meeting Summaries:

Group Meeting on February 25th

Attended by: Jonathan, Max, Andrew, Frankie, Michael **Stacy unable to attend**

Discussed:

- Github
- Trello
- Project Requirements
- Gantt Chart

Accomplished:

- Created a group github repository and invited all members to be collaborators
- Created a group Trello board with basic project outline within the board
- Created and shared a GANTT chart through Google Sheets to outline tasks that need to be completed and assist in time management
- Outlined the project's requirements, including primary and secondary features in a PDF on the github repository

Group Meeting on March 5th

Attended by: Frankie, Stacy, Andrew, Johnny, Max **Michael unable to attend**

Roles:

Frankie - 1st Part of Gantt Chart

Max - 2nd Part of Gantt Chart

Stacy - Work on Website, Document Meeting

Johnny - Spear-heading Three Week Sprint on Trello

Andrew - Working on Hiroku

Accomplished:

- Finished Gantt Chart
- Set Up Project Plan on Trello
- Did Agile Team Stand Up
- Retrospective Meeting
- Decided upon a regular weekly meeting every Monday at 6, with additional scheduled meetings as needed.

Agile Stand-Up Meeting:

Agile Stand-Up Meeting

Michael couldn't make it

Johnny:

- Since the last meeting I have researched Twitter APIs and Bot Detection.
- By the next meeting I will have a better understanding of these and will know how to proceed.
- A roadblock I have encountered is the Twitter API uses JavaScript and I have no experience with this language.

Andrew:

- I have been working on getting Hiroku up and working so we can start testing and integrating other aspects.
- By the next meeting I will have Hiroku running so we can begin integration.
- I came on with no knowledge about Hiroku, so this has been very challenging.

Frankie:

- I have been researching word quality and ways to implement this into our project.
- By the next meeting I should have defined knowledge about what needs to be done and potentially a start on implementation.
- Determining how to integrate this into our project is proving really challenging.

Max:

- I've been doing preliminary work on the Gantt Chart and updating Trello.
- By the next meeting I will have finished creating defined completion dates and goals.
- It has been challenging coordinating with the team to organize as much as the Gantt Chart as possible before the meeting.

Stacy:

- I've been working on getting the website for user interface started.
- By next meeting I should have a preliminary website completed for fine-tuning and integration.
- It has been challenging creating a website that will serve as the front-end without access to any sort of backend.

Agile Retrospective Meeting:

Retrospective	
Meeting:	
	March 5th
	What Went Well:
	-Meetings were very productive.
	-The team had civil discourse when there were disagreements about how to proceed.
	-Good iniative in setting up Trello, Github, Slack, etc.
	What Didn't Go Well:
	-Coordination was poor this sprint.
	-Meetings were often scheduled last minute.
	-Assignment and division of tasks was not well organized.
	-It was not well-defined what files went on which website/resource.
	What Should be Improved:
	-Set regular times for weekly meetings (handled).
	-Defined project manager to coordinate tasks and make sure everything knows

what they are responsible for.

-Better communication about progress to date.