***Daily Scrum*** *meeting minutes file*

*Team 38: Sephora Jean-Mary and Charlie Ramirez*

**The following information will contain be our sprint grooming meeting minutes, our sprint retrospective meeting minutes, and our personal daily standup minutes. Sprint planning and sprint review are both found in the Final Project Documentation file in this same directory.**

**We begin with our grooming minutes for all sprints:**

**SP20 Team 38 Sprint 1 Grooming  1/23/20 12:30pm-1:10pm**

* **Charlie Ramirez, Sephora Jean-Mary, Naz Huq, Ali Zaidi, Joe Garner**

**Prioritized Product Backlog:**

* + As a developer, I want to figure out the algorithms that we can used to clean the data set.
  + As a developer, I want to come up with a project proposal with practical use in teaching AI to Game Theory students.
  + As a developer, I want to decide between the first idea -- game between customers and sellers to find right price for an item -- and the second idea -- web scraping app.
  + As a developer, I want to find out what software will be used throughout this project. The Database will be in Mongo, frontend will be in HTML and CSS, and the analysis can be done in Jupyter Notebooks.
  + As a developer, I want to complete a sprint calendar for the next three months that will determine the increments that the project will get completed in.
  + As a developer, I want to come up with clear features that we want included in this project: web scraper using python, website using html and css, analysis of data using jupyter, cleaning and storage of data in MongoDB

**SP20 Team 38 Sprint 2 Grooming  2/04/20 11:45am-12:00pm**

* **Charlie Ramirez, Sephora Jean-Mary, Naz Huq, Ali Zaidi, Joe Garner**

**Prioritized Product Backlog:**

As a developer, I need to refine the web scraper so that it will scrape amazon for more product information  
  
As a developer, I need to fix the web scraper so that it will skip over tags that are not available  
  
As a developer, I need to start a website to display information from the web scraper  
  
As a developer, I need to have a front page to the website explaining what the purpose of this project  
  
As a developer, I need to have a navigation bar to the website explaining what the purpose of this project  
  
As a developer, I need to connect Jupyter to the web scraper  
  
As a developer, I need to determine and specify what kind of analysis need to be made in Jupyter

**SP20 Team 38 Sprint 3 Grooming  2/12/20 12:00pm-12:30pm**

* **Charlie Ramirez, Sephora Jean-Mary, Naz Huq, Ali Zaidi, Joe Garner**

**Prioritized Product Backlog:**

- Product Backlog:

- User Story 20

* As a developer, I would like to determine how to create a search engine functionality so that when someone types in a product, the spider will find the corresponding amazon link to that product
* Assigned to Charlie
* Size: Large

- User Story 21

* As a developer, I would like to refine spider middleware so that
* Initially assigned to Charlie
* Size: Medium

- User Story 22

* As a developer I would like to implement bootstrap in the website so that is has an interactive layout
* Assigned to Charlie
* Size: Medium

- User Story 23

* As a developer, I would like to include a page on the website for the tables and analysis that we will later include
* Assigned to Charlie
* Size: Medium

- User Story 24

* As a developer, I would like to refine spider so that data from attribute columns data are in containers for database storage
* Assigned to Sephora
* Size: Medium

- User Story 25

* As a developer, I would like to import csv files made into Jupyter for analysis using Panda. I would like to start useful analysis such as aggregation.
* Assigned to Sephora
* Size: Medium

**SP20 Team 38 Sprint 4 Grooming  3/5/20 12:00pm-1:00pm**

* **Charlie Ramirez, Sephora Jean-Mary, Naz Huq, Ali Zaidi, Joe Garner**

**Prioritized Product Backlog:**

* + User Story 26
    - As a developer, I would like to complete the website layout so that it has interactive html and css
  + User Story 27
    - As a developer, I would like to set up flask framework
  + User Story 28
    - As a developer, I would like to transfer all files to flask framework
    - As a developer, I would like to do research on how to connect the web scraper to the website via flask
  + User Story 29
    - As a developer, I would like to create the Anvil website with a link from home
  + User Story 30
    - As a developer, I would like to upload data from csv files into anvil web app
    - As a developer, I would like to display tables and their comparison graphs on anvil

**SP20 Team 38 Sprint 5 Grooming  3/19/20 12:00pm-1:00pm**

* **Charlie Ramirez, Sephora Jean-Mary, Naz Huq, Ali Zaidi, Joe Garner**

**Prioritized Product Backlog:**

* + User Story 31
    - As a developer, I would like to implement the web scraper into the website so that a user can see the web scraper in action
    - Initially assigned to Charlie
    - Size: Large
  + User Story 32
    - As a developer, I would like to scrape more fields from the amazon website page
    - Initially assigned to Charlie
    - Size: Medium
  + User Story 33
    - As a developer, I would like to to set up flask framework
    - Initially assigned to Charlie
    - Size: Medium
  + User Story 34
    - As a developer, I would like to write a database for the website
    - Initially assigned to Charlie
    - Size: Large
  + User Story 35
    - As a developer, I would like to create another page on the Anvil website to showcase ways for AI to be implemented in other fields
    - Initially assigned to Sephora
    - Size: Medium

**SP20 Team 38 Sprint 6 Grooming  4/2/20 12:00pm-1:30pm**

* **Charlie Ramirez, Sephora Jean-Mary, Naz Huq, Ali Zaidi, Joe Garner**

**Prioritized Product Backlog:**

* + User Story 39
    - As a developer, I would like to complete functionalities in the flask app so that the web app runs smoothly for users
    - Initially assigned to Charlie
    - Size: Medium
  + User Story 40
    - As a developer, I would like to host the flask app on the Heroku platform
    - Initially assigned to Charlie
    - Size: Large
  + User Story 41
    - As a developer, I would like to create visualizations using seaborn and matplotlib
    - Initially assigned to Charlie
    - Size: Large
  + User Story 42
    - As a developer, I would like to view these visualizations on the web app
    - Initially assigned to Charlie
    - Size: Medium
  + User Story 43
    - As a developer, I would like to create real time bar, pie, and scatter plot visualizations on anvil
    - Initially assigned to Sephora
    - Size: Large
  + User Story 44
    - As a developer, I would like to create a correlation matrix using z scores with the use of plotly package on anvil
    - Initially assigned to Sephora
    - Size: Medium
  + User Story 45
    - As a developer, I would like to host the web app on Heroku from git so that the user can access the link
    - Initially assigned to Sephora
    - Size: Large
  + User Story 46
    - As a developer, I would like to finalize the Anvil display and app
    - Initially assigned to Sephora
    - Size: Medium
  + User Story 47
    - As a developer, I would like to create different models for the data
    - Initially assigned to Sephora
    - Size: Small
  + User Story 48
    - As a developer, I would like to finalize the schedule for the end of semester so that the project will be on time.
    - Initially assigned to Charlie and Sephora
    - Size: Large

***The following information will include our retrospective meeting minutes for all sprints:***

**SP20 Team 38 Sprint 1 Retrospective  1/27/20 12:30pm-1:10pm**

* **Charlie Ramirez, Sephora Jean-Mary, Naz Huq, Ali Zaidi, Joe Garner**

**Team Performance:**

* + Sephora Jean-Mary
    - Sephora was an integral part of the project idea process. Her input and ideas were very helpful. Additionally, her front-end experience allows us to increase the flexibility of our project. She also contributed with a project schedule that allowed us to see what needed to be done and by when it needed to be done.
    - Sephora's schedule did not allow for her to attend one of the meetings.
  + Charlie Ramirez
    - Charlie contributed by suggesting various ideas for a project. In the multiple meetings we had with the GenAI team before settling for a project, he gave valuable input. Additionally, he contributed with various resources that served as a catalyst for the team to discuss ideas. He also set up various Jupyter notebooks, created lessons, and contributed a project proposal.
    - Some of Charlie's ideas were dismissed.
* Team Evaluation
  + Joe Garner
    - Joe evaluated several ideas that were proposed. Some were discarded while others were accepted. He served as a product owner for this sprint and was available throughout to offer input and guidance. The various emails that were sent between the team were usually started by Joe.
  + Ali Zaidi
    - Ali mainly served as a technical advisor. His vast knowledge of machine learning technologies was crucial in guiding us through this first sprint. This knowledge also allowed us to find various project ideas. Additionally, he proposed the project idea that we settled on.
  + Naz Huq
    - Naz served as the mediator between MITRE and FIU students. He set up meetings and advised us to talk with Dr. Whittaker (game theory professor).

**SP20 Team 38 Sprint 2 Retrospective  2/6/20 11:00am-12:30pm**

* **Charlie Ramirez, Sephora Jean-Mary, Naz Huq, Ali Zaidi, Joe Garner**

**Team Performance:**

Charlie:

* What went right?
  + Successfully implemented feature to look up a product via a search option
  + Picked a template for the website
* What went wrong?
  + Several bugs delayed the process of data cleansing

Sephora

* What went right?
  + Successfully started web scraper
* What went wrong?
  + Beautiful Soup web scraper was scrapped in favor of scrapy.

Product Evaluation: Naz Huq, Joe Garner, Ali Zaidi

**SP20 Team 38 Sprint 3 Retrospective  2/20/20 12:00pm-1:00pm**

* **Charlie Ramirez, Sephora Jean-Mary, Naz Huq, Ali Zaidi, Joe Garner**

**Team Performance:**

Charlie Ramirez

* What went right?
  + - * Implemented bootstrap into website
      * Created separate page for future analysis on website
      * Created search function in spider that returns url of products searched for
      * Refined middleware to export spiders results into json and csv files
* What went wrong?
  + - * Trouble working on design for website

Sephora  Jean-Mary

* What went right?
  + - * Created item containers for attribute columns in spider
      * Performed aggregation for data in csv file using panda
* What went wrong?
  + - * Could not figure out how to merge branch with master in git because of multiple inconsistencies in code
* Product Evaluation:
* What was created right?
  + - * Website to display future data analysis
      * SQLOnline database connected to web crawler output
      * Search function in spider
* What was created wrong?
  + - * Merge to master in git

**SP20 Team 38 Sprint 4 Retrospective  3/12/20 12:00pm-1:00pm**

* **Charlie Ramirez, Sephora Jean-Mary, Naz Huq, Ali Zaidi, Joe Garner**

**Team Performance:**

Charlie Ramirez

* What went right?
  + - * Researched flask app
      * Started flask server
      * Populated flask with relevant files
* What went wrong?
  + - * More attributes need to be added to web scraper

Sephora Jean-Mary

* What went right?
  + - * Added data to anvil app
      * Created graphs
      * Did linear regression on results table
* What went wrong?
  + - * Polynomial regression not complete or understood

**SP20 Team 38 Sprint 5 Retrospective  3/26/20 12:00pm-1:00pm**

* **Charlie Ramirez, Sephora Jean-Mary, Naz Huq, Ali Zaidi, Joe Garner**

**Team Performance:**

* The team came to a consensus that Anvil would be used for the web scraper and visualizations while the website would have educational material about how AI can be used in every discipline. The website will have a link to the Anvil.

*Charlie Ramirez*

* What went right?
  + - * Scraped more attributes into web scraper
      * Incorporated database into web app
      * Displayed web scraper results on website
* What went wrong?
  + - * Implementation of flask functionalities experienced minor snags

*Sephora Jean-Mary*

* What went right?
  + - * Added data to anvil database directly from web scraper
      * Implemented user friendly search functionality to allow users to enter the product from which data will be scraped
      * Stored data from updated attributes into anvil database
      * Displayed data in a user-friendly browser table
* What went wrong?
  + - * Data is stored before cleaning

**SP20 Team 38 Sprint 6 Retrospective  4/9/20 12:00pm-1:00pm**

* **Charlie Ramirez, Sephora Jean-Mary, Naz Huq, Ali Zaidi, Joe Garner**

**Team Performance:**

* With the help of product owners, the team decided that the flask web app would have a set of built in visualizations using seaborn and matplotlib while the Anvil app will have an interactive version of these visualizations. Both the web app and web scraper will be hosted on the Heroku platform.

*Charlie Ramirez*

* What went right?
  + - * Created visualizations in seaborn
      * Fixed bugs in web scraper
      * Displayed visualizations on  web app
* What went wrong?
  + - * Drop-down menu in web app not fully functional

*Sephora Jean-Mary*

* What went right?
  + - * Created pie, bar, and scatter plot in anvil
      * Completed user interface for app
      * Displayed interactive heatmap (correlation matrix) on anvil
* What went wrong?
  + - * Web Scraper not able to be deployed on Heroku

***The following information will include our daily standup meeting times and posts by each team member. We start with Sephora Jean-Mary:***

**SP20-Team38 Standup 1/14/2019 9:00PM 09:15PM**

Sephora Jean-Mary

What was done yesterday (15 minutes):

* Contacted PO through email
* Researched MITRE

Tomorrow (planning for 1 hour):

* Learn about computational notebook Jupyter
* Start learning Python

Hurdles:

* Product owner has yet to respond

**Sp20 team 38 standup 1/15/20**  
2:30-3  
Sephora Jean-Mary   
Today: met with product owner  
Created meeting time for tomorrow

**Sp20 team 38 stand up 1/18/2020**  
Sephora  
Standup yesterday 8-8:15  
-had meeting with product owner   
-asked professor for right to use his phone  
Today  
- python tutorial  
-familiarize jupyter

**SP20 Team38 Standup 1/19/2020**   
8:00pm 8:158m  
  
On 01/19 (1 hours):   
Continued python tutorial  
  
Planned for tomorrow (2 hours):   
-more python  
  
Hurdles:   
- lack of python knowledge

**SP20 Team38 Standup 1/20/2020 8:00pm-8:15pm**  
Sephora Jean-Mary   
- enjoyed Martin Luther king day

**SP20 Team38 Standup 1/22/2019 6:00-6-15**

Sephora Jean-Mary

Yesterday:

Spoke with Professor

Brainstormed project ideas

Today:

Downloaded Python

Learned more python using W3 tutorial

**SP20-Team38 Standup 1/23/2019 7:00-7:15**

Sephora Jean-Mary

Yesterday:

* Functions in Python

Today

* Attended meeting with PO
* Approved Product Proposal
* Jupyter Notebook Algorithms

**SP20 Team38 Standup 1/24/2020 8:00pm 8:15pm**

Yesterday:

Met with team

Today:

Decided on product proposal

Made sprint calendar

**Sp20 team38 standup 1/27/20**  
8-8:15  
Sephora Jean-Mary   
  
Came up with project proposal with PO  
Researched technology needed

**Sp20 team 38 standup 1/30/2020**  
Sephora Jean-Mary   
8-8:15  
  
What was done:  
Machine learning Research

**Sp20 team 38 standup 1/31/20**  
12:00- 12:30  
Sephora   
  
Today:  
Meeting with product owners about direction of project

**Sp20 team 38 standup 2/1/2020**  
today: research

**SP20 Team 38 Standup 2/03/2020 12:00-12:30pm**

Sephora Jean-Mary

Accomplished Today(2 hours)

Started web scraper

**Sp20 team 39 standup 2/04/2019**  
Sephora (3 hours) (8-8:15)  
  
Today:   
Worked on pip packages  
Started web scraper

**Sp20 Team38 Standup 02/11/20**  
3pm-3:15pm  
  
Today(4 hours)  
- set up sqlite3 table  
- input random values  
- tried to implement containers for web scraper

**Sp20 Team38 Standup 2/13/20**  
12:00-12:30  
  
Yesterday: (4 hrs)  
- inserted values from scraper into table  
- finished sqlite3 database   
  
Today: (3 hours)  
- uploaded to GitHub branch  
- met with product owners and got requirements for website

**Sp20 team38 standup 2/14/20**  
Sephora Jean-Mary   
  
Today  
- researched ideas for website

**Sp20 Team38 Standup 2/18/20**  
8:00 - 8:15  
  
Yesterday  
- meeting with Ali   
  
Today  
- python in sql research

**SP20 Team38 Standup 2/19/2020 8:00pm 8:15pm**

Sephora Jean

Today

-Research about integrating python in sql

-Ideas for website analysis

**Sp20 Team38 standup 2/20/20 12:00-12:30pm**  
Sephora Jean-Mary   
  
Meeting with product owners  
Start exploring New requirements

**Sp20 Team38 3/2/20 12:00-12:30**  
  
Sephora Jean-Mary   
Today:   
-Attended planning sprint 4 meeting   
-replace query in jupyter   
-started anvil

**Sp20 Team38 standup 3/4/20 8-8:15**  
Today  
- anvil web app

**SP20 Team38 Standup 3/5/20 8:00-8:15pm**

Sephora Jean-Mary

Today:

- Attended sprint grooming meeting

- Made Correlation chart in jupyter

Hurdles:

- Worked on Anvil app but could not import dataframe or chart

**Sp20 Team38 standup 3/6/20**Sephora Jean-Mary  
  
Worked on jupyter notebook   
Write functions in anvil  
HURDLES:   
Passing arguments to method

**Sp20 Team38 standup 3/9/20**  
8:00-8:15  
  
Sephora Jean-Mary   
- uploaded data table to anvil  
- attended sprint group meetings   
  
Hurdles:  
Understanding linear regression   
What to put on website

**Sp20 Team38 standup 03/10/20**   
8:00-8:15 Sephora Jean-Mary   
  
Today (3 hours)  
- added plot and table into anvil  
  
Hurdles:  
Add linear regression line to plot

**Sp20 Team38 standup 3/11/20**  
8:00-8:15pm  
  
Sephora Jean-Mary   
Today  
  
-add new form to page  
-added words to new form

**Sp20 Team38 standup 3/16/20**8:00-8:15  
  
Sephora Jean-Mary   
  
-Looked through linear regression algorithms from PO  
- attended sprint planning

**SP20 Team38 Standup 3/24/2020 8:00 pm 8:15pm**

* Sephora Jean-Mary (3 hours)
* Connect anvil output to server input

**Sp20 Team38 standup 3/26/20**  
8:00pm-8:15pm  
  
Today(4 hours)  
- attend grooming meetings  
-fix errors  
- upload anvil data tables from server

**SP20 Team38 Standup 3/26/2020 8:00-8:15pm**

* Sephora Jean-Mary (5 hours)
  + Attended (planning) meeting to fix bugs (2 hr 30 min)
  + Implemented navigation bar into anvil app
  + Delete products in database for each new search call
  + Start cleaning newly scrapped attribute data

**SP20 Team38 Standup 4/3/2020 8:00-8:15pm**

Yesterday:

-Finished cleaning data

-Attended Sprint meeting with PO's

Today

-Inputed data from scraper into anvil data tables

-Attended meeting for visualizations

-Decided on linear regression and desicion tree models

**Sp20 Team38 Standup 4/7/20 8:00-8:15pm**  
Sephora Jean-Mary  
  
Yesterday  
- import variable into form  
  
Today  
- create regression model

**SP20 Team38 Standup 4/8/20 8:00-8:15pm**

Sephora Jean-Mary (5 hours)

* Played with linear regression model to choose variables with lowest RMSE
* Improved layout of anvil app
* Created Plotly visualizations in anvil

**Sp20 TEAM38 Standup 4/13/20**  
  
Today(4 hours) 8:00-8:15  
  
-Attended grooming meeting  
- listef visualalizations  
- dispay pie chart

**Sp20 Team38 standup 4/14/20 8:00pm-8:15pm**  
  
Sephora Jean-Mary   
  
Today   
- finished visualization chart   
Implemented more forms to webpage

**Sp20 Team38 Standup 8:00-8:15pm**

Sephora Jean-Mary

* Completed Visualizations
* Demo hosting on heroku

**Sp20 Team38 standup 4/16/20**  
  
Sephora Jean-Mary (4 hours)  
- implemented heatmap (correlation matrix)  
- download heroku for hosting  
- added scatter charts top visualizations  
- organized navy bar

**Sp20 Team38 standup 4/17/20 4:00-5:00pm**  
Sephora Jean-Mary   
(6 hours)  
  
- Finalized data visualizations app  
-demoed app to Ali

**SP20 Team38 Standup 4/21/20 8:00pm-8:15pm**

Sephora Jean-Mary (5 hours)

Started hosting on scraping hub

Converted spider into anvil server code

***Charlie Ramirez daily standups:***

**SP20 Team 38 Standup 1/14/2020 9:00pm - 9:15pm**  
• Charlie Ramirez  
• Yesterday (4 hours worked):  
  - Set up a Jupyter computational notebook environment   
  - Learned to work with all the commands of Jupyter and how to develop on the platform  
• Tomorrow (Planning 4 hours):  
  - How to work with the formatting aspect of Jupyter’s computational notebook  
  - How to work with python on Jupyter  
• No hurdles

**SP20 Team38 Standup January 15, 2020 2:30pm - 3:00pm**

Charlie Ramirez

* Yesterday (worked 3 hours):
  + Began to incorporate python code onto Jupyter to experiment with more productive notebooks
  + Started a refresher on python to get skills back up to the required level for this project.
* Tomorrow (planning 4 hours):
  + Continuing python refresher and looking into topics such as machine learning and AI
  + Downloading the environments for machine learning such as tensorflow
* No hurdles

**SP20 Team38 Standup 1/16/2020 8:00pm - 8:15pm**

• Charlie Ramirez

• What was done yesterday?  (worked 4 hours):  
 ◦ Set up a python developing environment   
 ◦ Worked on the formatting aspect of Jupyter   
 ◦ Began research on machine learning  
• What is planned to be done for tomorrow?  (planning for 4 hours):  
 ◦ Continue research on machine learning   
 ◦ incorporate python code into Jupyter  
• Hurdles:  
 ◦ No clear project scope has been decided

**SP20 Team 38 Standup 1/17/2020 8:00PM - 8:15PM**

Charlie Ramirez  
• Yesterday (worked 3 hours):  
 ◦ Resumed the task of catching up on python skills  
 ◦ Spoke with Dr. Whittaker about the Gen AI project idea and incorporating a lesson into his game . theory class  
 ◦ Had a meeting with various Gen AI developers and discussed project ideas.  
• Tomorrow (planning 4 hours):  
 ◦ Research ways in which game theory and machine learning are related.   
 ◦ Continue learning python  
• Hurdles:  
◦ No clear project as of yet

**SP20 Team 38 Standup 1/18/2020 8:00pm - 8:15pm**  
• Charlie Ramirez  
• Yesterday (worked 3 hours):  
◦ Continued learning about the Python language  
◦ Continued Jupyter familiarization   
◦ Researched supervised machine learning algorithms   
• Tomorrow (planning for 4 hours):  
◦ Continue python learning   
◦ Look more in depth into linear regression supervised machine learning algorithm   
• Hurdles:  
◦ None

**SP20 Team38 1/19/2020 8:00pm - 8:15pm**• Charlie Ramirez   
• Yesterday (worked 2 hours):  
◦ Resumed python learning   
◦ Studied supervised machine learning algorithms   
• Tomorrow (planning for 3 hours):  
◦ Continue Jupyter formatting and Python learning   
• Hurdles:  
◦ We have yet to have our official kickoff meeting and I’m not sure what languages I must know for this project

**SP20 Team38 Standup 1/20/2020 8:00pm-8:15pm**

* Charlie Ramirez
* Yesterday (worked 4 hours)
  + Began a Coursera course on machine learning
  + Continued working on Jupyter
* Tomorrow (planning for 4 hours)
  + Continue machine learning course
  + Meet with the GenAI team to discuss the project
* List of hurdles, if any?
  + No hurdles

**SP20 Team 38 Standup 1/21/2019 8:00pm - 8:15pm**• Charlie Ramirez   
• Yesterday (worked 0 hours):  
- Holiday   
• Tomorrow (planning for 4 hours):  
- Continue python learning  
- Continue studying machine learning algorithms  
• Hurdles:  
      - No clear project has been decided upon

**SP20 Team38 Standup 1/22/20 6:00pm - 6:15pm**

* Charlie Ramirez
* Yesterday (3 hours worked)
  + Had a meeting with the GenAI team and decided on our next course of action
  + Researched machine learning applications in game theory
  + Continued python learning
* Tomorrow (4 hours planned)
  + Have an official kickoff meeting with the team in which our project will be decided
  + Begin research on project and set up the environment
* Hurdles
  + N/A

SP20 Team38 Standup 1/23/2020 7:00pm - 7:15pm  
Charlie Ramirez  
   • Yesterday (worked 4 hours):  
◦ Research into logistic regression  
◦ Continued machine learning course on Coursera  
• Tomorrow (planning for 4 hours):  
◦ Meeting with the GenAI team for our final kickoff meeting and starting on the official project  
• Hurdles?  
◦ None

**SP20 Team38 Standup 1/24/2020 3:00pm - 3:15pm**

* Charlie Ramirez
* Yesterday (worked 3 hours):
  + Met with the GenAI team to discuss the idea of a project involving a machine learning algorithm that could decipher a game being played between two players in a real-world scenario
  + Created a project proposal in Jupyter Notebook to pitch to the team
  + Continued research on linear regression
* Tomorrow (planning for 3 hours):
  + Research various machine learning algortihms to see which one would best fit our project
  + Look into Kivy to see if it can be a viable option to use for an app.
* Hurdles:
  + Project idea is difficult to implement as it would most likely require a deep learning neural network

SP20 Team 38 Standup 1/27/2020 3:00pm - 3:15pm

* Charlie Ramirez
* Friday 1/24 (worked 3 hours):
  + Studied more python
  + Worked on finding a solution to our current project proposal
  + Worked on linear regression models
* Tomorrow (planning 4 hours):
  + Researching web scrapers
  + Researching web development ideas and UI elements
  + Continuing python development
* Hurdles:
  + No hurdles

SP20 Team 38 Standup 1/28/2020 5:45pm - 6:00pm

* Charlie Ramirez
* Yesterday (worked 2 hours):
  + Had a meeting with the GenAI team that served as the sprint 1 retrospective meeting. Additionally, in the meeting we were able to talk about a new project idea and the technologies that would be required to complete it.
  + Worked on a project proposal for the new idea
  + Researched web scraping
* Tomorrow (planning 4 hours):
  + Continue researching web scraping
  + Set up an environment for the project
  + Turn in a project proposal to Dr. Sadjadi
* Hurdles
  + Time restraint

**SP20 Team 38 Standup 1/29/2020 8:00pm - 8:15pm**

* Charlie Ramirez
* Yesterday (4 hours worked):
  + Researched web scraping
  + Continued python learning
  + Worked on project proposal
* Tomorrow (planning 4 hours):
  + Turn in proposal
  + Continue web scraping research
  + Begin coding web scraper
* Hurdles
  + No hurdles

SP20 Team 38 Standup 1/30/2020 8:00pm - 8:15pm

* Charlie Ramirez
* Yesterday (worked 3 hours):
  + Researched web scraping using python
  + Researched Scrapy
  + Researched how to predict consumer behavior
* Tomorrow (planning 4 hours):
  + Continue coding web scraper
  + Research on linear regression
* Hurdles:
  + No hurdles

SP20 Team38 Standup 1/31/2020 12:00pm - 12:30pm  
• Charlie Ramirez  
• Yesterday (worked 4 hours):  
◦ Finished project proposal proposal   
◦ Continued research and coding of web scraper  
• Tomorrow (planning for 3 hours):  
◦ Continue web scraper   
◦ Research into linear regression and ways to implement a model   
• Hurdles:  
◦ None

SP20 Team 38 Standup 2/3/2020 12:00pm - 12:30pm

* Charlie Ramirez
* Friday (worked 4 hours):
  + Worked on the web scraper
  + Researched front-end frameworks we could use to develop a website
  + Researched linear regression
* Tomorrow (planning 4 hours):
  + Continue working on the web scraper
  + Download bootstrap and start working on the front-end of the website
* Hurdles:
  + No hurdles

**SP20 Team38 Standup 2/4/2020 8:00pm - 8:15pm**

*Charlie Ramirez*

* Yesterday (worked 4 hours):
  + Had the backlog grooming meeting with the MITRE team
  + Worked on fixing some bugs on the web scraper
  + Optimized results by switching from xpath selectors to css selectors
  + Research on bootstrap
* Tomorrow (planning 5 hours):
  + Set up bootstrap and all its dependencies
  + Get a website up and running
  + Research into back end frameworks
* Hurdles
  + No hurdles

SP20 Team38 Standup 2/06/2020 8:00pm - 8:15pm  
Charlie Ramirez   
• What did I accomplish since the last daily scrum? (worked 5 hours):  
◦ Finished optimizing web scraper to collect fields   
◦ Began coding the website using bootstrap   
• What do I plan to work on by the next daily scrum? (planning for 4 hours):  
◦ Continue coding the website   
• What are the obstacles or impediments that are preventing me from making progress?:  
◦ None

SP20 Team38 Standup 2/7/2020 8:00pm -8:15pm  
- Charlie Ramirez  
- Yesterday (worked 5 hours):  
          - Worked on the web scraper   
          - Set up bootstrap and coded a simple website with 1 page   
          - Researched bootstrap   
- Tomorrow (planning 4 hours):  
          - Continue website  
          - Continue optimizing web scraper   
- Hurdles?  
          - No hurdles

**SP20 Team 38 Standup 2/8/20 8:00pm - 8:15pm**

* Charlie Ramirez
* Friday 2/7/20 (worked 4 hours):
  + Set up website using bootstrap
  + Continued working on the scraper
  + Research into React
  + Had sprint retrospective meeting with the MITRE team (PO)
* No hurdles

**SP20 Team 38 Standup 2/10/20 8:00pm - 8:15pm**

* Charlie Ramirez
* Saturday 2/8/20 (worked 4 hours):
  + Looked into bootstrap and the various elements involved with the library
  + Worked on request aspect of scrapy and web scraped some amazon pages
* Work planned for Tuesday:
  + Continue working on the scraper
  + Go to the career fair
  + Further research into bootstrap
* No hurdles

**SP20 Team 38 Standup 2/11/20 3:00pm - 3:15pm**

* Charlie Ramirez
* Yesterday (worked 5 hours):
  + Had sprint 3 planning meeting with the MITRE team (PO)
  + Continued working on the scraper, specifically combining the css and xpath extractors to increase flexibility of scraper
  + Research into React
* Tomorrow (planning 4 hours):
  + Continue work on the scraper
  + Hopefully finish atleast another element of the field scraping
  + Research into React
* No hurdles

**SP20 Team38 2/14/20 8:00PM - 8:15PM**

* Charlie Ramirez
* Yesterday (worked 4 hours):
  + Finished web scraper
  + Started designing website
  + Worked on website layout
* Tomorrow (planning 4 hours):
  + Continue designing website
  + Research css grids
* Hurdles
  + No hurdles

SP20 Team38 Standup 2/18/2020 8:00pm-8:15pm  
• Charlie Ramirez  
• Yesterday (4 hours):  
◦ Attended spring grooming meeting   
◦ Worked on the cleaning aspect of the web scraper. Additionally, learned regex.  
• Tomorrow (planning for 4 hours):  
◦ Continue working on the data cleaning  
• Hurdles:  
◦ None

SP20 Team 38 Standup 3/2/2020 3:00pm - 3:15pm

* Charlie Ramirez
* Work done on 2/21 (Wokred 4 hours):
  + Continue coding web scraper
  + Continued working on the website
* Work planned for 3/3 (Planned 4 hours):
  + Continue working on the web scraper
  + Continue working on the website
* Hurdles:
  + No hurdles

SP20 Team 38 Standup 3/3/2020 8:00pm - 8:15pm

* Charlie Ramirez
* Work done on 3/2 (Worked 4 hours):
  + Continue coding web scraper
  + Continued working on the website
  + Began research into Flask web framework
* Work planned for 3/4 (Planned 4 hours):
  + Continue working on the web scraper
  + Continue working on the website
  + Begin setting up flask and transferring files onto the framework
* Hurdles:
  + No hurdles

SP20 Team 38 Standup 3/4/2020 8:00pm - 8:15pm

* Charlie Ramirez
* Work done on 3/3 (Worked 4 hours):
  + Continue researching flask
  + Set up a flask server and transferred all our files onto the framework
  + Continued working on the web scraper
* Work planned for 3/5 (Planned 4 hours):
  + Continue researching flask and working with the system.
  + Continued working on the website and the html files
* Hurdles:
  + No hurdles

**SP20 Team38 Standup 3/5/2020 8:00pm - 8:15pm**

*Charlie Ramirez*

* Yesterday (worked 4 hours):
  + Continued flask research
  + Looked up multiple dependencies
  + Continued working on the website and the html files
* Tomorrow (planning 4 hours):
  + Look into render\_template section of documentation
  + Work on website
* Hurdles
  + No hurdles

**SP20 Team38 Standup 3/6/2020 8:00pm - 8:15pm**

*Charlie Ramirez*

* Yesterday (worked 4 hours):
  + Worked on website
  + Looked into render\_template section of flask
* Tomorrow (planning 4 hours):
  + Look into the requests section of flask documentation
  + Work on website
* Hurdles
  + No hurdles

**SP20 Team38 Standup 3/9/2020 8:00pm - 8:15pm**

*Charlie Ramirez*

* Yesterday (worked 4 hours):
  + Work on web scraper
  + Research into css selectors
  + Scraper some test data from amazon
* Tomorrow (planning 4 hours):
  + Look into web scraper examples
  + Continue work on attribute selection
* Hurdles
  + Time restraints

**SP20 Team38 Standup 3/10/2020 8:00pm - 8:15pm**

*Charlie Ramirez*

* Yesterday (worked 4 hours):
  + Continued scraper research
  + Looked up multiple dependencies
  + Looked into attributes on amazon
* Tomorrow (planning 2 hours):
  + Work on attribute selection of product information
* Hurdles
  + No hurdles

**SP20 Team38 Standup 3/11/2020 8:00pm - 8:15pm**

*Charlie Ramirez*

* Yesterday (worked 2 hours):
  + Worked on attribute selection of product information
* Tomorrow (planning 4 hours):
  + Scraper some data on amazon
  + Test various cases
* Hurdles
  + No hurdles

**SP20 Team38 Standup 3/12/2020 8:00pm - 8:15pm**

*Charlie Ramirez*

* Yesterday (worked 4 hours):
  + Scraped data off amazon’s site
  + Did some testing on various searches of products
  + Looked into requests
* Tomorrow (planning 4 hours):
  + Look into ways of minimizing bugs in the spider
  + Begin commenting the testfile.py file
* Hurdles
  + No hurdles

**SP20 Team38 Standup 3/13/2020 8:00pm - 8:15pm**

*Charlie Ramirez*

* Yesterday (worked 4 hours):
  + Research into solving a couple of bugs
  + Began the commenting of the testfile.py spider
* Tomorrow (planning 2 hours):
  + Continue the commenting of testfile.py
  + Continue researching ways to solve bugs
* Hurdles
  + No hurdles

**SP20 Team38 Standup 3/16/2020 8:00pm - 8:15pm**

*Charlie Ramirez*

* Yesterday (worked 4 hours):
  + Scraped data off amazon’s site
  + Did some testing on various searches of products
  + Worked on testfile.py commenting
* Tomorrow (planning 2 hours):
  + Look into ways of minimizing bugs in the spider
  + Continue commenting the testfile.py file
* Hurdles
  + No hurdles

**SP20 Team38 Standup 3/17/2020 8:00pm - 8:15pm**

*Charlie Ramirez*

* Yesterday (worked 4 hours):
  + Worked on website
  + Finished commenting of testfile.py
* Tomorrow (planning 4 hours):
  + Begin extracting datasets for the website
  + Work on web scraper
* Hurdles
  + No hurdles

**SP20 Team38 Standup 3/18/2020 8:00pm - 8:15pm**

*Charlie Ramirez*

* Yesterday (worked 4 hours):
  + Work on web scraper
  + Research into css selectors
  + Scraped some data for the website
* Tomorrow (planning 4 hours):
  + Continue scraping information for website
  + Continue work on attribute selection
* Hurdles
  + Time restraints

**SP20 Team38 Standup 3/19/2020 8:00pm - 8:15pm**

*Charlie Ramirez*

* Yesterday (worked 4 hours):
  + Scraped information for website
  + Worked with attribute selections
* Tomorrow (planning 4 hours):
  + Continue scraping information for website
  + Look into how the information scraped can help us display models on the website
* Hurdles
  + No hurdles

**SP20 Team38 Standup 3/20/2020 8:00pm - 8:15pm**

*Charlie Ramirez*

* Yesterday (worked 4 hours):
  + Scraped information for website
  + Looked up different visualization models
* Tomorrow (planning 4 hours):
  + Continue scraping information for website
  + Research different visualization models
* Hurdles
  + No hurdles

**SP20 Team38 Standup 3/23/2020 8:00pm - 8:15pm**

*Charlie Ramirez*

* Yesterday (worked 4 hours):
  + Scraped information for website
  + Worked with attribute selections
* Tomorrow (planning 4 hours):
  + Continue scraping information for website
  + Look into how the information scraped can help us display models on the website
* Hurdles
  + No hurdles

**SP20 Team38 Standup 3/24/2020 8:00pm - 8:15pm**

*Charlie Ramirez*

* Yesterday (worked 6 hours):
  + Scraped information for website
  + Looked into multiple visualizations
  + Planned the outline for the website visualizations
* Tomorrow (planning 5 hours):
  + Continue scraping information for website
  + Find the more relevant visualizations for the website
  + Look for patterns in models.
* Hurdles
  + No hurdles

**SP20 Team38 Standup 3/25/2020 8:00pm - 8:15pm**

*Charlie Ramirez*

* Yesterday (worked 5 hours):
  + Scraped information for website
  + Researched visualizations
  + Wrote some of the accompanying information for models
* Tomorrow (planning 2 hours):
  + Look for more relevant visualizations
  + Finalize scraping datasets
* Hurdles
  + No hurdles

**SP20 Team38 Standup 3/26/2020 8:00pm - 8:15pm**

*Charlie Ramirez*

* Yesterday (worked 2 hours):
  + Finished researching models
  + Finished scraping for website
* Tomorrow (planning 4 hours):
  + Organize website and fit everything done in the sprint
* Hurdles
  + No hurdles

**SP20 Team38 Standup 3/27/2020 8:00pm - 8:15pm**

*Charlie Ramirez*

* Yesterday (worked 4 hours):
  + Organized the website to fit everything
* Tomorrow (planning 4 hours):
  + Have everything ready for next sprint
  + Talk with the rest of the team and coordinate work
* Hurdles
  + No hurdles

**SP20 Team38 Standup 3/30/2020 8:00pm - 8:15pm**

*Charlie Ramirez*

* Yesterday (worked 4 hours):
  + Talked with the team and had relevant meetings
  + Created a plan for sprint 6
* Tomorrow (planning 4 hours):
  + Research into flask as to best ways to use POST and GET methods for everything to run smoothly
* Hurdles
  + No hurdles

**SP20 Team38 Standup 3/31/2020 8:00pm - 8:15pm**

*Charlie Ramirez*

* Yesterday (worked 4 hours):
  + Research into flask as to best ways to use POST and GET methods for everything to run smoothly
* Tomorrow (planning 4 hours):
  + Research into how to host the website on Heroku
  + Research into seaborn visualizations
* Hurdles
  + No hurdles

**SP20 Team38 Standup 4/1/2020 8:00pm - 8:15pm**

*Charlie Ramirez*

* Yesterday (worked 4 hours):
  + Did research into seaborn and matplotlib
  + Set up a Heroku account to host website
* Tomorrow (planning 4 hours):
  + Research into how to host the website on Heroku
  + Research into seaborn visualizations
* Hurdles
  + No hurdles

**SP20 Team38 Standup 4/3/2020 8:00pm - 8:15pm**

*Charlie Ramirez*

* Yesterday (worked 4 hours):
  + Research into flask as to best ways to use POST and GET methods for everything to run smoothly
* Tomorrow (planning 4 hours):
  + Research into how to host the website on Heroku
  + Research into seaborn visualizations
* Hurdles
  + No hurdles

**SP20 Team38 Standup 4/4/2020 8:00pm - 8:15pm**

*Charlie Ramirez*

* Yesterday (worked 4 hours):
  + Used seaborn instead of matplotlib to recreate visualizations
  + Continued work with Heroku
* Tomorrow (planning 4 hours):
  + Research into how to host the website on Heroku
  + Use seaborn on a couple of datasets
* Hurdles
  + No hurdles

**SP20 Team38 Standup 4/5/2020 8:00pm - 8:15pm**

*Charlie Ramirez*

* Yesterday (worked 4 hours):
  + Used seaborn instead of matplotlib to recreate visualizations
  + Continued work with Heroku
* Tomorrow (planning 4 hours):
  + Research on best way to host website on Heroku
  + Begin hosting process on heroku
* Hurdles
  + No hurdles

**SP20 Team38 Standup 4/6/2020 8:00pm - 8:15pm**

*Charlie Ramirez*

* Yesterday (worked 4 hours):
  + Scraped information for website
  + Researched visualizations
  + Wrote some of the accompanying information for models
* Tomorrow (planning 4 hours):
  + Look for more relevant visualizations
  + Finalize scraping datasets
* Hurdles
  + No hurdles

**SP20 Team38 Standup 4/7/2020 8:00pm - 8:15pm**

*Charlie Ramirez*

* Yesterday (worked 4 hours):
  + Scraped information for website
  + Researched visualizations
  + Wrote some of the accompanying information for models
* Tomorrow (planning 4 hours):
  + Look for more relevant visualizations
  + Finalize scraping datasets
* Hurdles
  + No hurdles

**SP20 Team38 Standup 4/8/2020 8:00pm - 8:15pm**

*Charlie Ramirez*

* Yesterday (worked 4 hours):
  + Did research into seaborn and matplotlib
  + Worked on our Heroku account to host website
* Tomorrow (planning 4 hours):
  + Research into Heroku
  + Research into seaborn visualizations
* Hurdles
  + No hurdles
  + No hurdles

**SP20 Team38 Standup 4/9/2020 8:00pm - 8:15pm**

*Charlie Ramirez*

* Yesterday (worked 4 hours):
  + Scraped information for website
  + Researched visualizations
  + Continued Heroku research and process
* Tomorrow (planning 4 hours):
  + Finalize Heroku hosting
  + Finalize visualization models
  + Finish Website
* Hurdles
  + No hurdles

**SP20 Team38 Standup 4/10/2020 8:00pm - 8:15pm**

*Charlie Ramirez*

* Yesterday (worked 4 hours):
  + Worked on website
  + Finished all research on non-heroku related items
* Tomorrow (planning 4 hours):
  + Begin the process of documentation
  + Talk with the team on the project
* Hurdles
  + No hurdles

**SP20 Team38 Standup 4/13/2020 8:00pm - 8:15pm**

*Charlie Ramirez*

* Yesterday (worked 4 hours):
  + Began documentation on code directory
  + Did some work on UML diagrams
* Tomorrow (planning 4 hours):
  + Continue work on diagrams
  + Continue work on code directory
  + Begin manuals
* Hurdles
  + No hurdles

**SP20 Team38 Standup 4/14/2020 8:00pm - 8:15pm**

*Charlie Ramirez*

* Yesterday (worked 5 hours):
  + Did work on the code directory
  + Organized a variety of folders
* Tomorrow (planning 4 hours):
  + Get our GitHub repository in order
  + Organize project folders
  + Work on directory
* Hurdles
  + No hurdles

**SP20 Team38 Standup 4/15/2020 8:00pm - 8:15pm**

*Charlie Ramirez*

* Yesterday (worked 5 hours):
  + Continue work on documentation
  + Had meeting with team
  + Worked on directory
* Tomorrow (planning 5 hours):
  + Begin documents directory work
  + Finish some user manuals for web scraper and website
  + Continue installation guide work
* Hurdles
  + No hurdles

**SP20 Team38 Standup 4/16/2020 8:00pm - 8:15pm**

*Charlie Ramirez*

* Yesterday (worked 6 hours):
  + Made sure everything worked well with the website
  + Checked for spelling errors and pushed changes on website
  + Continued work with directory
* Tomorrow (planning 8 hours):
  + Finish installation guides
  + Continue work on main document in documents directory
  + Begin powerpoint slides
* Hurdles
  + No hurdles

**SP20 Team38 Standup 4/17/2020 8:00pm - 8:15pm**

*Charlie Ramirez*

* Yesterday (worked 6 hours):
  + Worked on Heroku related items for the website
  + Bought a custom domain name ([www.itsaiforall.com](http://www.itsaiforall.com))
  + Continued work on documentation
* Tomorrow (planning 7 hours):
  + Continue my part of the powerpoint
  + Continue working on diagrams
  + Do my poster
* Hurdles
  + No hurdles

**SP20 Team38 Standup 4/20/2020 8:00pm - 8:15pm**

*Charlie Ramirez*

* Yesterday (worked 4 hours):
  + Continued my poster
  + Continued my part of the powerpoint
* Tomorrow (planning 4 hours):
  + Finish code directory
  + Continue working on documents directory
  + Start video directory
* Hurdles
  + No hurdles

**SP20 Team38 Standup 4/21/2020 8:00pm - 8:15pm**

*Charlie Ramirez*

* Yesterday (worked 4 hours):
  + Worked on diagrams
  + Finished powerpoint
  + Finished Poster
* Tomorrow (planning 4 hours):
  + Finish documentation directory
  + Talk with the team on the project
* Hurdles
  + No hurdles

**SP20 Team38 Standup 4/22/2020 8:00pm - 8:15pm**

*Charlie Ramirez*

* Yesterday (worked 4 hours):
  + Finished code directory
  + Started on video directory
* Tomorrow (planning 4 hours):
  + Organize documents
  + Finish directories
  + Finish my videos
* Hurdles
  + No hurdles

**SP20 Team38 Standup 4/23/2020 8:00pm - 8:15pm**

*Charlie Ramirez*

* Yesterday (worked 4 hours):
  + Finished documentation directory
  + Completed powerpoint directory
* Tomorrow (planning 4 hours):
  + Get everything organized
  + Talk with team members
* Hurdles
  + No hurdles

**SP20 Team38 Standup 4/24/2020 8:00pm - 8:15pm**

*Charlie Ramirez*

* Yesterday (worked 4 hours):
  + Finished videos
  + Finished directories
  + Organized documents
* Tomorrow (planning 4 hours):
  + Organize everything and get it ready for turning in
* Hurdles
  + No hurdles