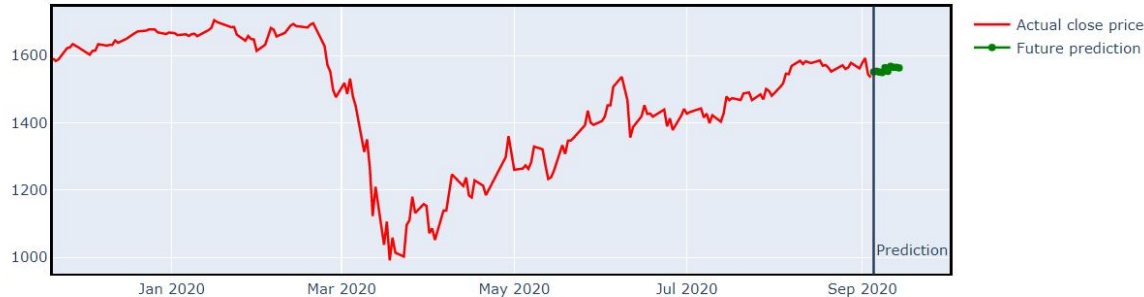# Envitas Sprint Review #1

Jeffrey, Mike, Gabriel, Cho, Topher

Feedback Response

Following our proposal we received some helpful feedback we wanted to respond to

- Scope of our data (timeline, brands, retail)
- Model choice and prediction (70% goal)
- Chatbot

Sprint #1 Accomplishments

- Establishment of workflow routine (Monday-Monday Sprints, Trello, Git)
- Discussion of proposal feedback
- Beginning development
- Documentation
- Open AI API key set and working

Sprint #1 Backlog

- Begin Git README
- Sneaker Data Access and Cleaning
- Scope of Data Decisions
- Sample API Access Code
- Establish Flask Connection
- Begin Frontend Construction
- Expand Figma Prototype

Dataset Exploration

Helpful Variables Included in the Dataset

- Brand of shoe
- Estimated Market Value
    - StockX
    - Goat
    - Flight Club
    - eBay
- Retail Price
- Image of the shoe
- Release Date

Daily Updates - New shoes, Transactions

MARKET PRICES | **HISTORICAL SALES**

Sales Last 30 Days

Showing 50 of 9746 sales

Date	Size	Condition	Image	Price
2/19/2024, 12:03:22 PM	10.5	New		$291
2/19/2024, 11:57:04 AM	7.5	New		$285
2/19/2024, 11:56:38 AM	4.5	New		$281
2/19/2024, 11:55:03 AM	10.5	New		$304
2/19/2024, 11:54:33 AM	10	New		$290
2/19/2024, 11:49:01 AM	13	New		$315

Rows per page: 10 ▾   1–10 of 50   ‹ ›

Dataset Exploration

Possible Problem with dataset:

- Little number of explanatory variables (aside from price, condition, date, shoe model)

Possible Solutions:

- Merging external datasets that have more explanatory variables
- Extracting meaningful information from transaction history or images

Front End / Back End

React, mongodb, express, authy (auth)

SSR using next js framework. library MUI, shadcn
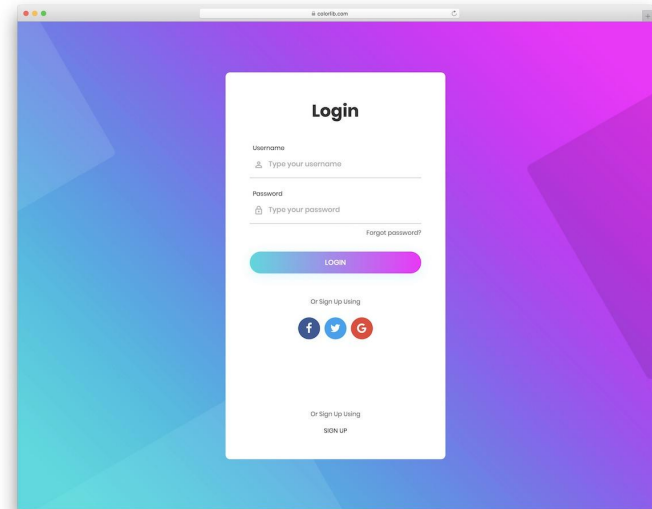
connecting to the openAI key

allow users to enter prompt about the shoes

Integrate chatbot, backend receives prompt

returns values from chat bot, render on screen
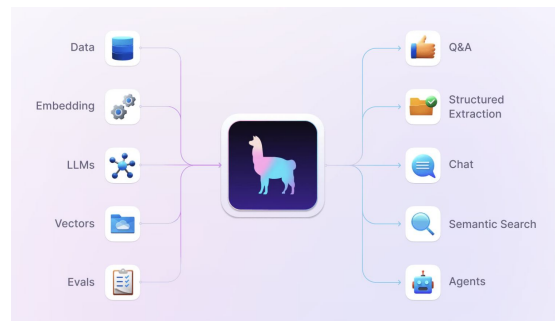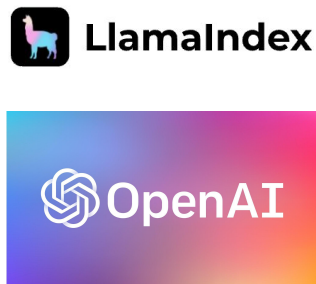
Currently working on.

Sign in page and storing users data

Chatbot API - Open AI

LlamaIndex

OpenAI

Current Progress:

- **Initial Tests Successful:** Able to send queries and get GPT-3.5/4 response. API key is working.
- **Accessing Our Data:** Currently exploring the use of RAG and structured data retrieval through LlamaIndex to enable the model to access our data.
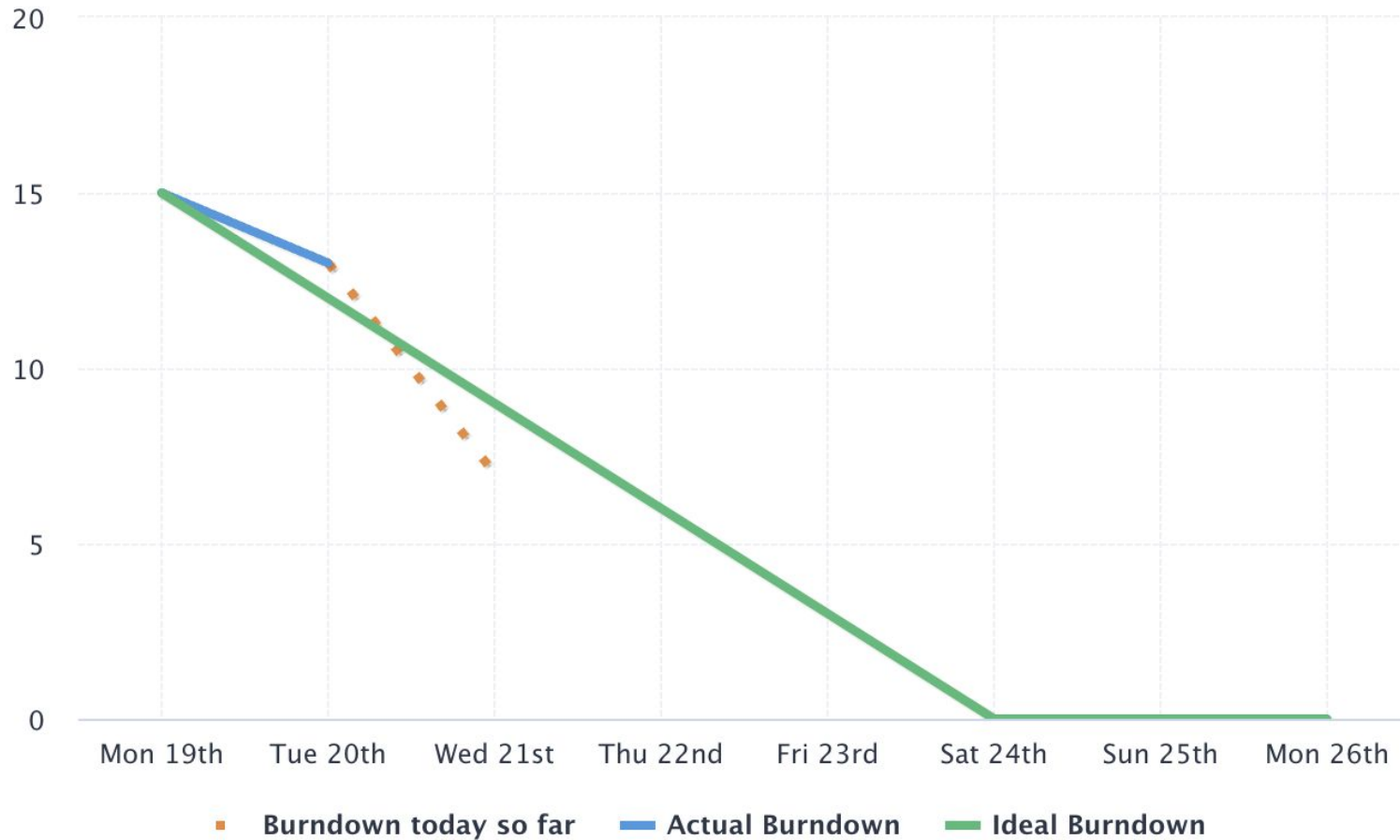
Future Considerations:

- **API Costs:** GPT-3.5/4 Turbo vs Other LLMs (possibly open source)
- **LLM Alignment:** Explore techniques to ensure the LLM stays in character

Sprint #1 Challenges

- Sneaker Database has a request limit (10 per month) and costs $0.25 per extra request over the limit
- Scheduling issues had to be addressed
- Database joining and cleaning is time-consuming and a possible impediment to beginning model construction

Sprint Burndown — Feb 19, 2024 – Feb, 26 2024

Current Burndown

Burndown today so far ◾ Actual Burndown ▬ Ideal Burndown

Questions?
Thanks!