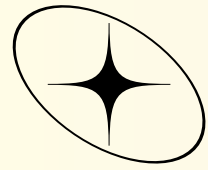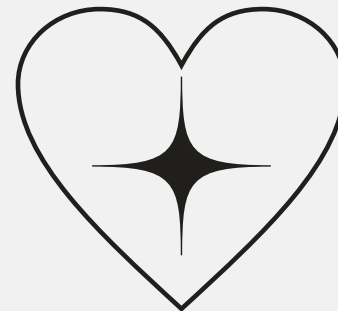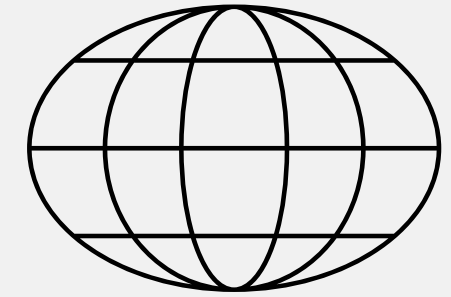# REVIEW BOT

★★★★★

USE CASES

PRODUCT PURCHASE DECISIONS

Analyze reviews quickly to make informed buying choices.

SENTIMENT ANALYSIS

Summarize review sentiment (positive, neutral, negative) for quick quality assessment
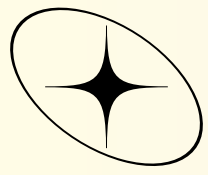
FEATURE INSIGHTS

Provide detailed feedback on specific product features.

TIME-SAVING

Summarize long reviews to save time and provide quick pros and cons.

PROCESS FLOW
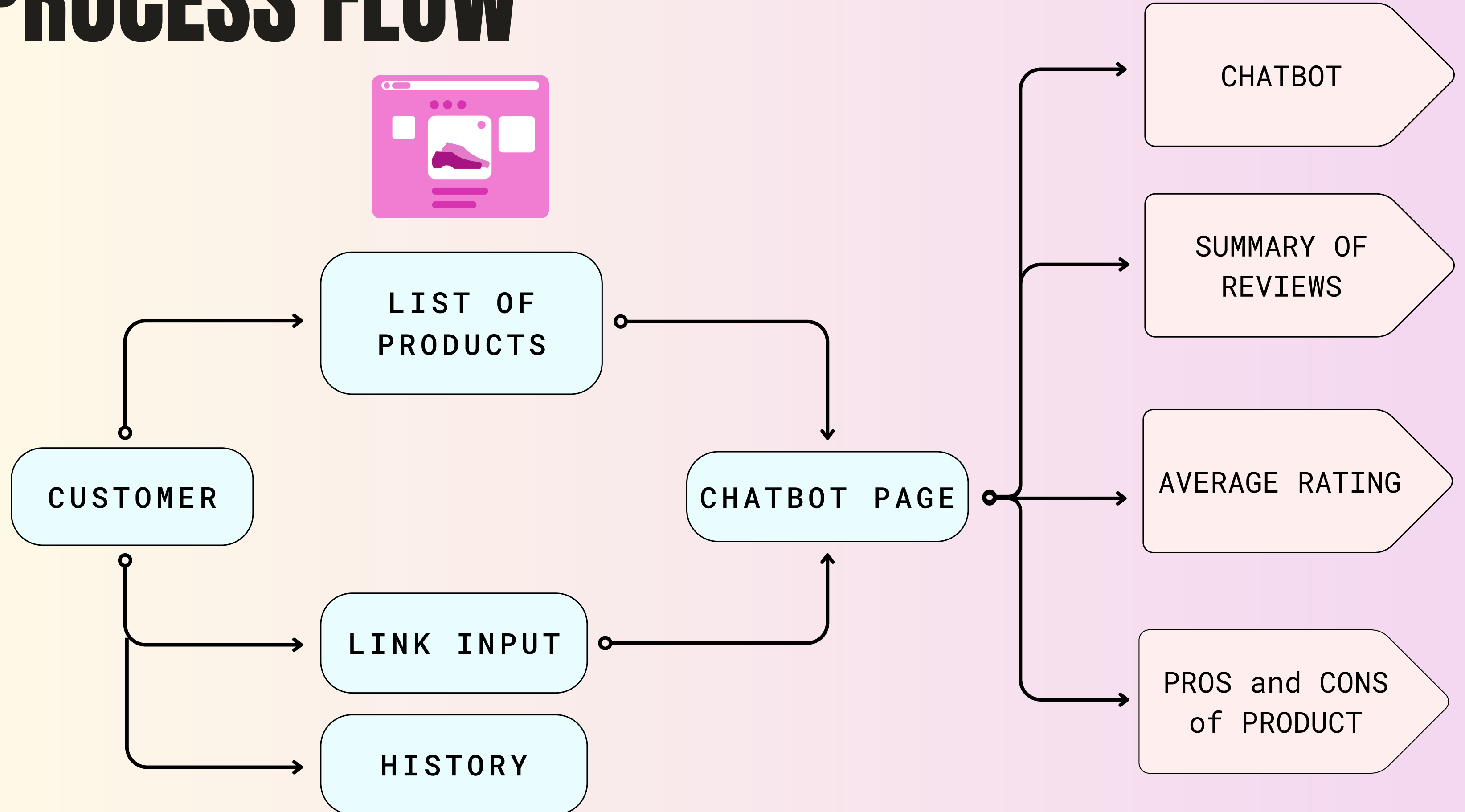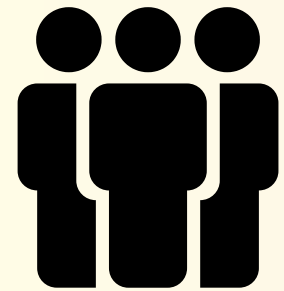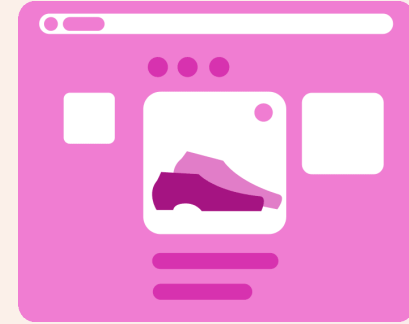
Tech Stack

- React JS
- Express
- MongoDb
- Python
- Flask

DEEP LEARNING MODELS AND LLMS
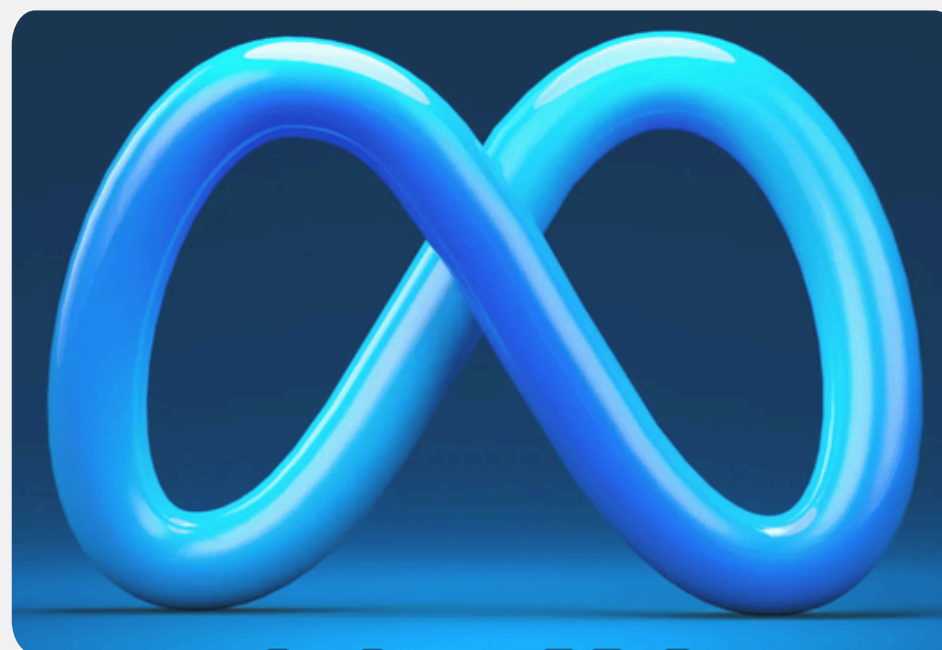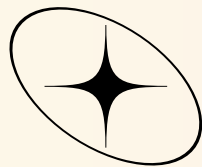
LLAMA 2

for development of RAG application to process user queries about the product

SENTIMENTAL ANALYSIS MODEL

for classification of positive and negative reviews for a product

TEXT SUMMARIZATION MODEL

for providing a summarized report of all the reviews of a product

SENTIMENTAL ANALYSIS FOR REVIEW CATEGORIZATION

✅ **Quality** | ✅ Value for money

6 **6** **0**
Customers mention   Positive   Negative   - - - - - - - - - - → Negative Reviews

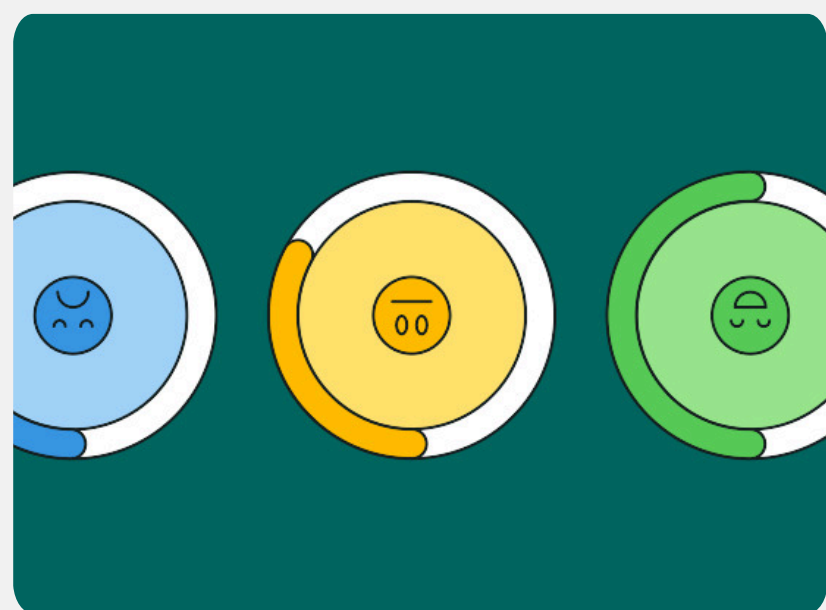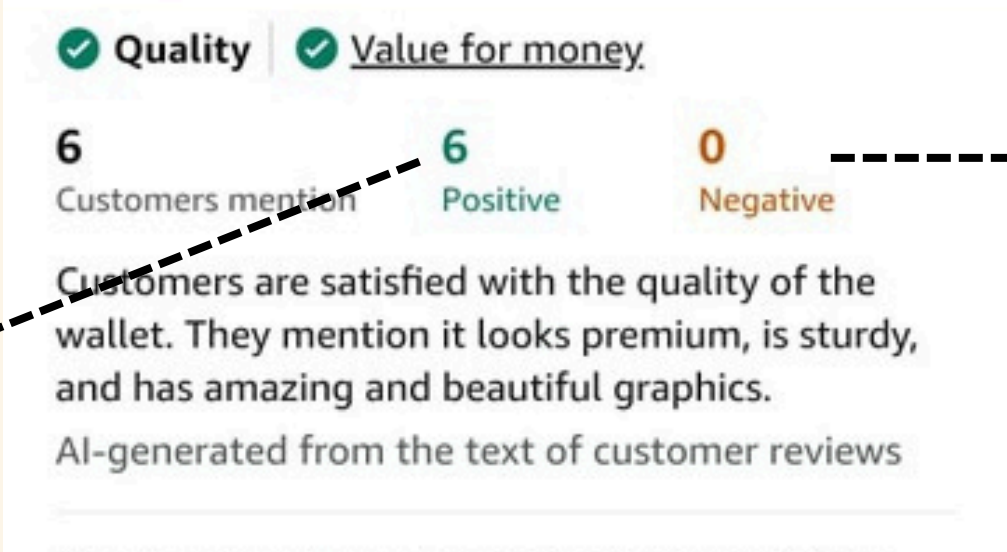Customers are satisfied with the quality of the wallet. They mention it looks premium, is sturdy, and has amazing and beautiful graphics.

AI-generated from the text of customer reviews

Positive Reviews

name	date	rating	review	brandName	product	clean_review_text	review_tokens	scores	scoreStatus	sentiment
Mamaearth-Onion-Growth-Control-Redensyl	2019-09-06	1	I bought this hair oil after viewing so many g...	Mamaearth	Onion-Growth-Control-Redensyl	bought hair oil viewing many good comments pro...	[bought, hair, oil, viewing, many, good, comme...	0.7037	positive	positive
Mamaearth-Onion-Growth-Control-Redensyl	2019-08-14	5	Used This Mama Earth Newly Launched Onion Oil ...	Mamaearth	Onion-Growth-Control-Redensyl	used mama earth newly launched onion oil twice...	[used, mama, earth, newly, launched, onion, oi...	0.8689	positive	positive
Mamaearth-Onion-Growth-Control-Redensyl	2019-10-19	1	So bad product My hair falling increase too mu...	Mamaearth	Onion-Growth-Control-Redensyl	bad product hair falling increase much order s...	[bad, product, hair, falling, increase, much, ...	-0.6820	negative	negative

WEB SCRAPING

Goutham
★★★★★ Cheap and best
Reviewed in India on 6 September 2024
Colour: Black | Size: One Size | Style Name: 2020 | Pattern Name: Earphones | Verified Purchase
The quality of head phone is so good And Sound quality bass is awesome
One person found this helpful
Helpful | Report

Chanakya Reddy
★★★☆☆ Good quality but very low bass
Reviewed in India on 14 September 2024
Colour: Black | Size: One Size | Style Name: 2020 | Pattern Name: Earphones | Verified Purchase
The earphones are very lightweight and material is of good quality. Sound quality, vocals, treble is very good and clea not satisfied with it.
There is no in-built volume control, but the volume is quite high and good.
Helpful | Report

yogesh
★★★★★ Original product and value for money...👍👍👍👍👍👍👍👍👍👍
Reviewed in India on 4 September 2024
Colour: Black | Size: One Size | Style Name: 2020 | Pattern Name: Earphones | Verified Purchase
Sound quality is best, Deep bass 🎧
2 people found this helpful
Helpful | Report

SABYASACHI ROY
★★★★☆ Overall
Reviewed in India on 8 September 2024

```python
[29]:  df_reviews = pd.DataFrame(reviews)
       df_reviews.head()
```

[29]:
	Name	Stars		Title	Date	Description
0	Mr. Manalyst	5.0	5.0 out of 5 stars\nHave no fear -- it IS the ...		18/01/2016	Frankly, I was somewhat skeptical. A decent, l...
1	Laxluver1234	5.0	5.0 out of 5 stars\nI've done my research - We...		19/07/2024	This has been my first automatic type watch pu...
2	ezwip	5.0	5.0 out of 5 stars\nImpressive		20/04/2024	First I'll just say the one I received did not...
3	Joehl Crawford-Robinson	4.0	4.0 out of 5 stars\nAffordable Automatic Diver		30/04/2024	Invicta gets a lot of hate from the watch comm...
4	OA	5.0	5.0 out of 5 stars\nVery solid, beautiful mech...		03/01/2024	For the price, this is amazing!To get it out o...

```python
[20]:  df_reviews.to_csv('reviews.csv', index=False)

[31]:  len(df_reviews)

[31]:  40
```

THANK YOU