Price Negotiator E-commerce Chatbot System
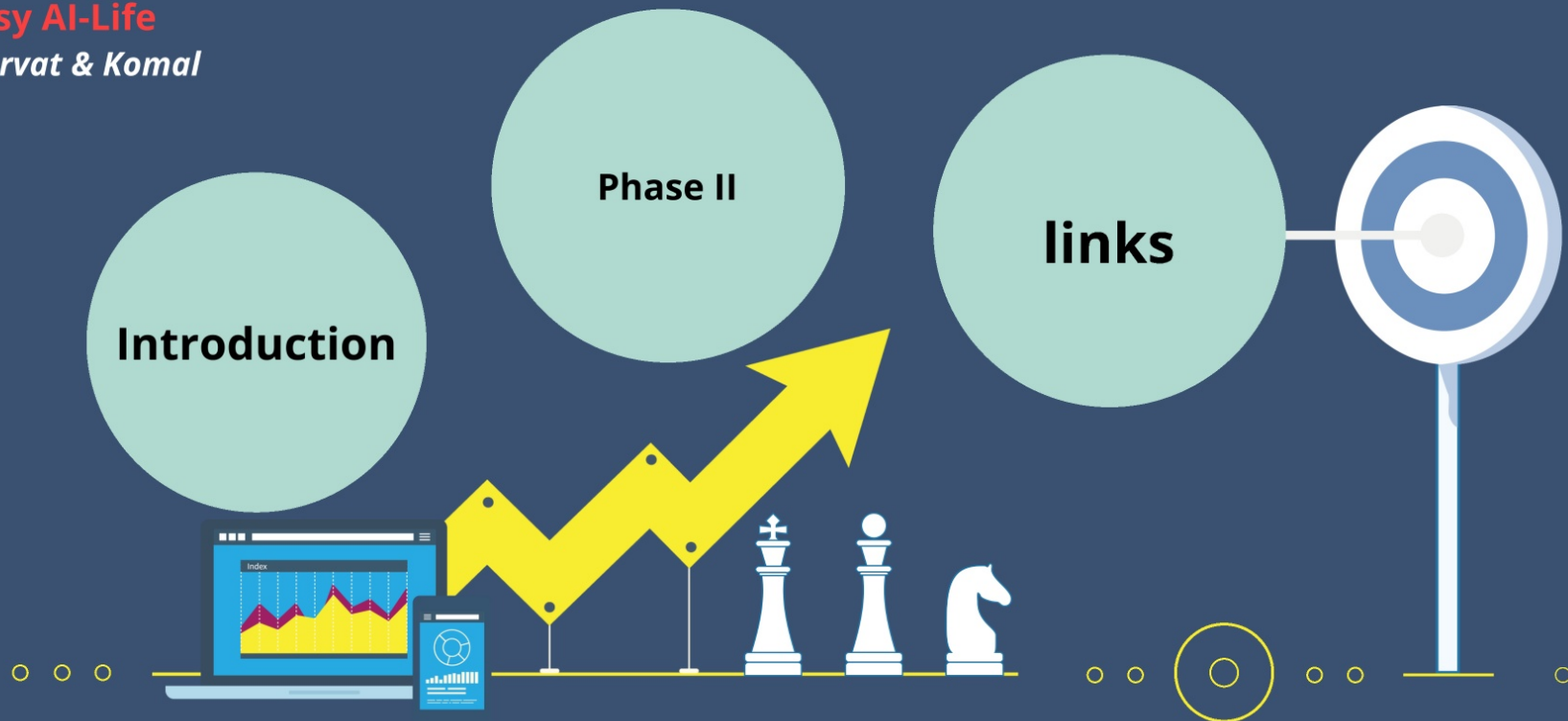
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Introduction

Introduction

Executive Summary

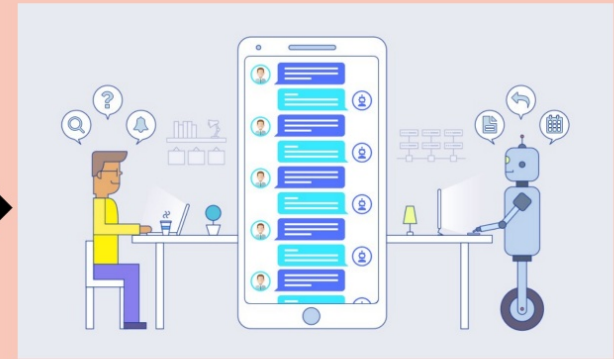# Executive Summary/ Phase I

Problem

Result

Solution

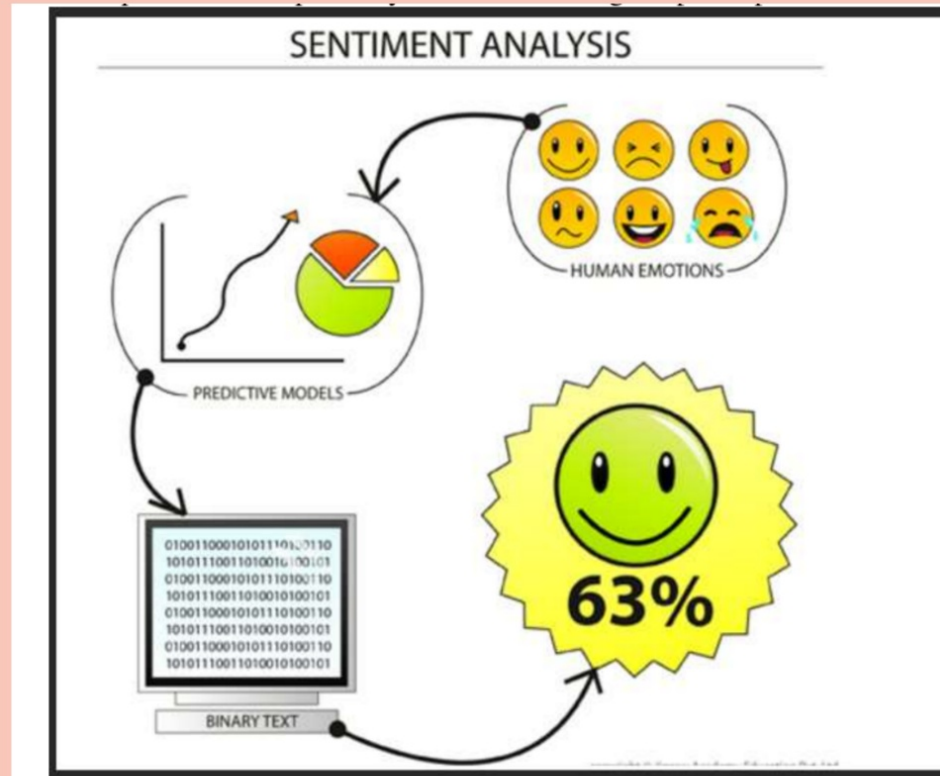**Negotiating Prices with Customers**

Chatbot Prices Negotiator

Executive Summary/ Phase II

Introduction

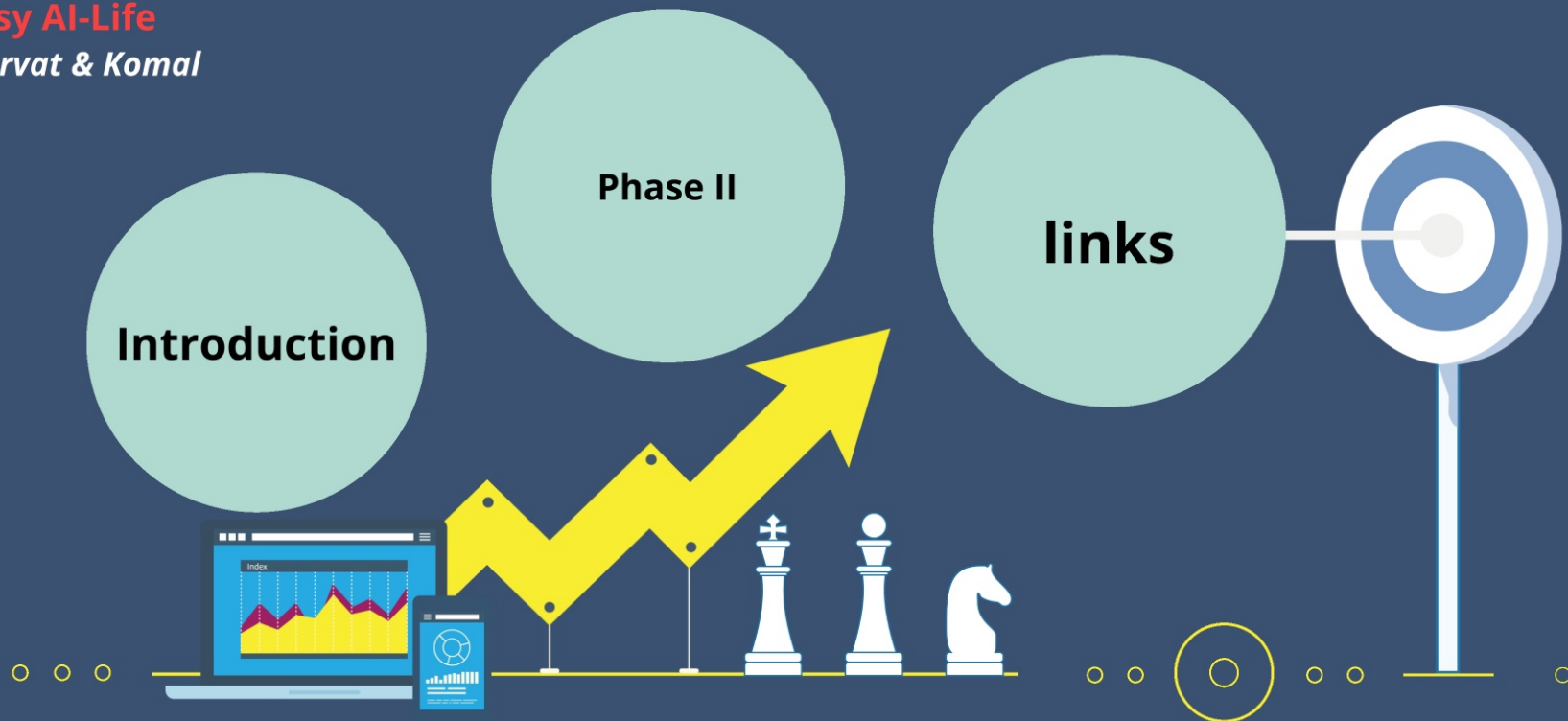**Executive Summary**

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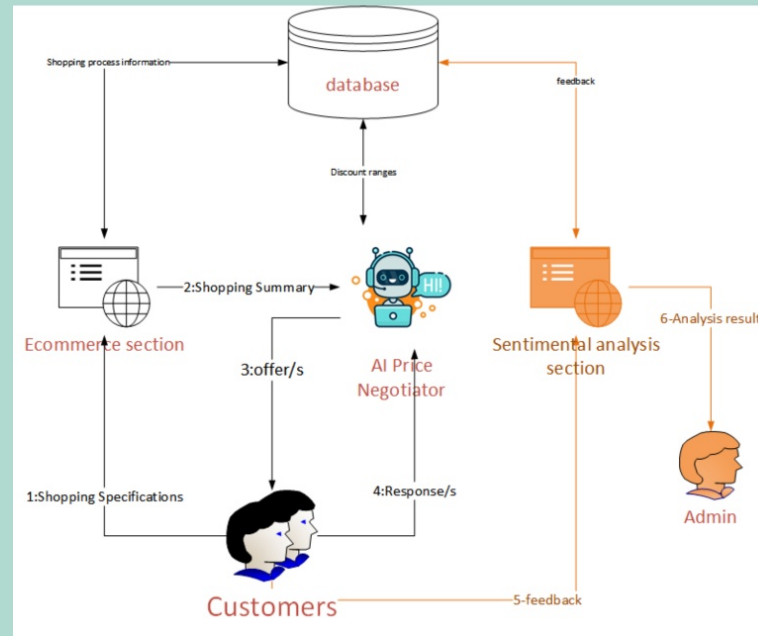
Technologies

Django framework: Django is a collection of Python libs allowing you to quickly and efficiently create a quality Web application, and is suitable for both frontend and backend .

HTML/CSS - to create and design front-end

JavaScript: To make web pages interactive

sentimental analysis (new AI Component):

NLTK is one of the best Python libraries for any task based on natural language processing.

The SentimentIntensityAnalyzer function of this library is very useful for the task of analyzing sentiments in a few lines of code.

Project Architecture

Technologies

Flow Chart

Price Negotiator Ecommerce Chatbot System(1/3)

Website	Customer

- Display available categories
- Pick a category
- Display available products for the chosen category
- Pick a product
- Display available options for the selected product
- pick product's option(s) or none
- display iteam summary and price
- Ask the customer if he/she wants to add this item to the shopping cart
- Enter answer
- add to the cart
- Ask customer if he/she wants to continue shopping
- Enter answer
- display summary and total price
- Ask user if he/she wants to checkout
- Enter customer answer
- display checkout summary (Products, total price)
- Enter customer answer
- Ask customer if he/she wants to start Price Nogtitor AI
- Start Chat session

A

B

Price Negotiator Ecommerce Chatbot System(2/3)

Customer	Robo

A

- Start Chat session
- Ask customer to enter his/ her name
- Enter name
- Greet customer
- check if the total bill amount could have a discount
- Get the discount percentage-range upon the Bill amount
- Enter customer answer
- Ask the customer if he/ she accpets the first offer
- view the first offer (min discount)
- Enter customer answer
- Ask the customer if he/ she accpets the second offer
- view the second offer (midle discount)
- Enter customer answer
- Ask the customer if he/ she accpets the last offer
- view the last offer (max discount)
- Display checkout summary (Products, discount, total)
- view message to inform the customer that "we are sorry this is last offer"
- Enter rank and feedback
- Ask user to enter feedback and rank the chatbot
- submit feedback
- End the chat session

B

Price Negotiator Ecommerce Chatbot System(3/3)

Customer	Sentiment Analysis Section(information gathering)

B

- Ask customer if they would like to fill a feedback survy
- Enter answer
- display feedback form(questions)
- Fill form(answers)
- Ask user to enter the ovrall RANK(stars)
- Enter Rank
- Check if checkout is needed
- Ask the customer to enter checkout data
- Enter checkout data
- Checkout

Project Architecture

Technologies

Flow Chart

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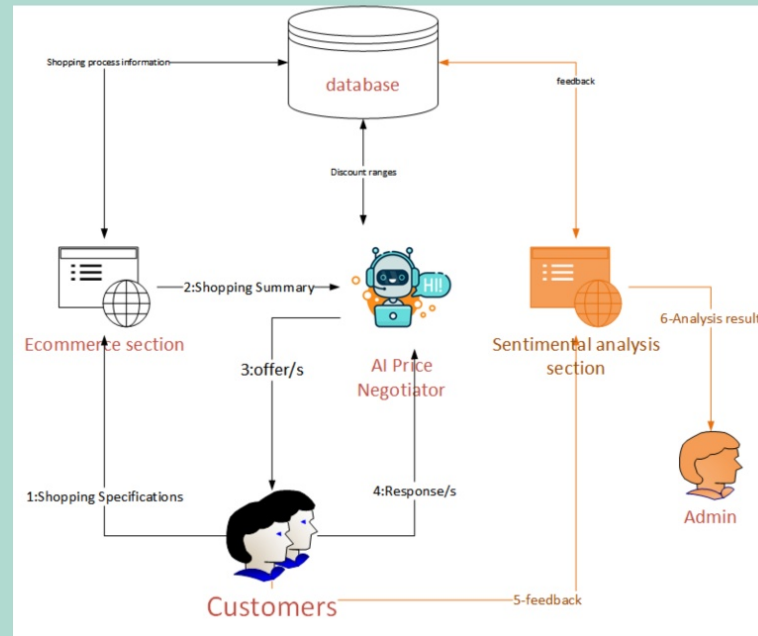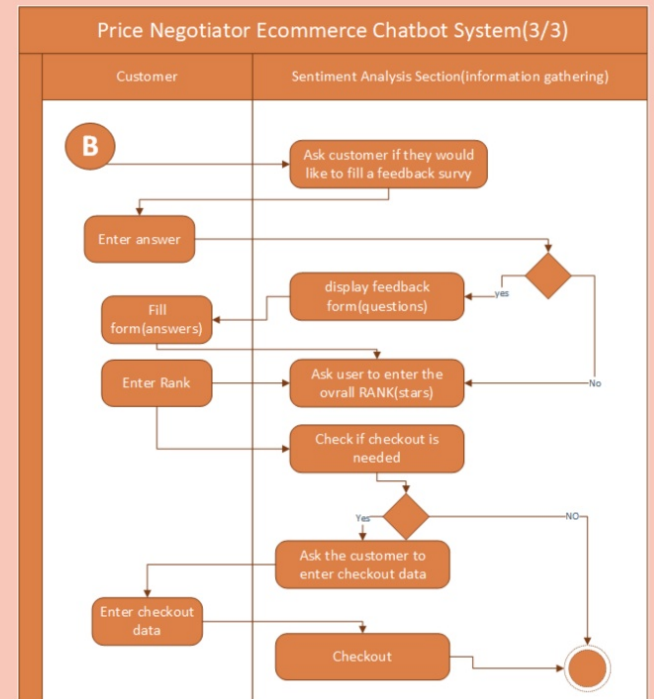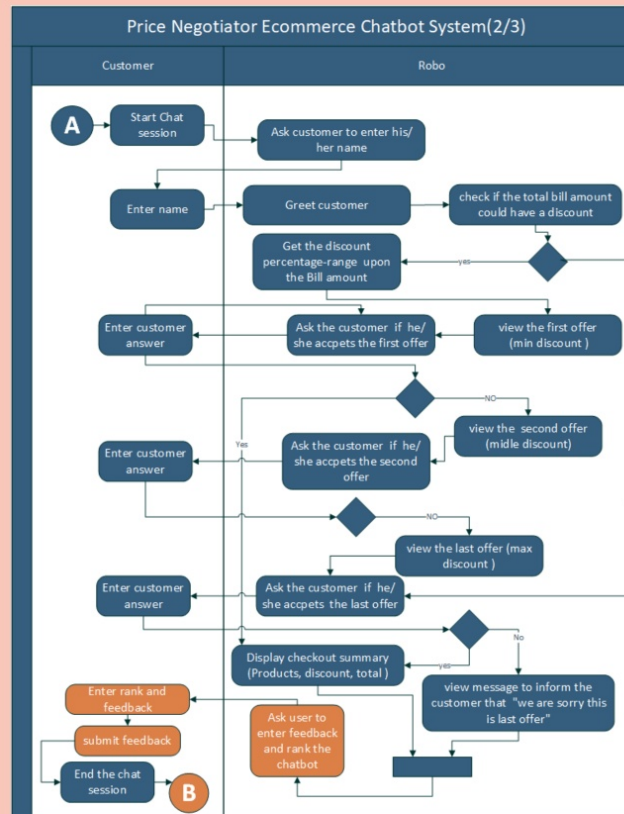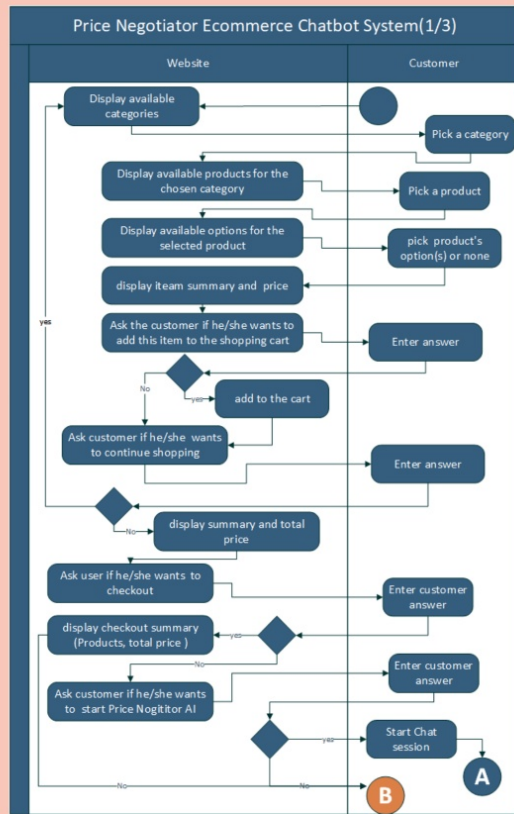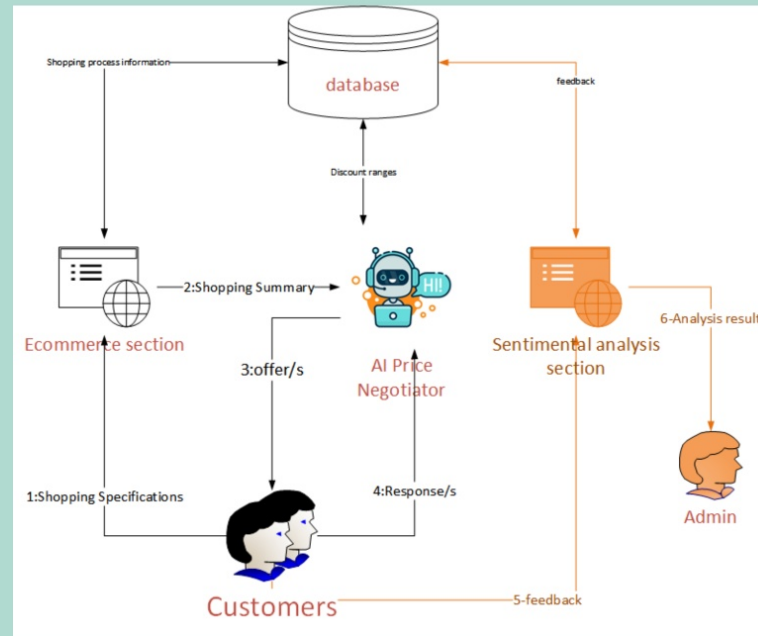
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Introduction

GitHuB Link:
https://github.com/Mervat1975/
PriceNegotiator

Website with embedded AI Component

http://127.0.0.1:8000/store

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