Product: Smart Agents for e-customer
Jiabao Chen
Instructor: Osama Alshaykh
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1. Product Mission Statement

To create a smart, efficient, and scalable e-commerce customer service system powered by GPT-based AI technology. This intelligent agent will provide instant, accurate, and personalized assistance to customers by answering common queries, processing orders, offering product recommendations, and enhancing overall shopping experience. The system will reduce response times, enhance customer satisfaction, and lower operational costs for businesses through automation, while maintaining the option for seamless escalation to human customer support for complex inquiries.

2. Product User Stories

- As an e-commerce customer, I want to quickly retrieve information about products through an intelligent chatbot, so that I can make informed purchasing decisions without waiting for human assistance.

- As an e-commerce customer, I want the intelligent customer service chatbot to answer my inquiries about order status, return policies, and shipping information, so that I can efficiently manage my shopping experience.

- As a system administrator, I want to train and fine-tune the GPT model to handle common customer service requests and provide personalized responses, so that the system becomes more accurate and effective in assisting customers.

- As an e-commerce business owner,
  I want the intelligent customer service chatbot to quickly respond to customer queries and simulate a real human agent,
  So that customer satisfaction is improved, and wait times are reduced.

3. Minimum Viable Product (MVP)

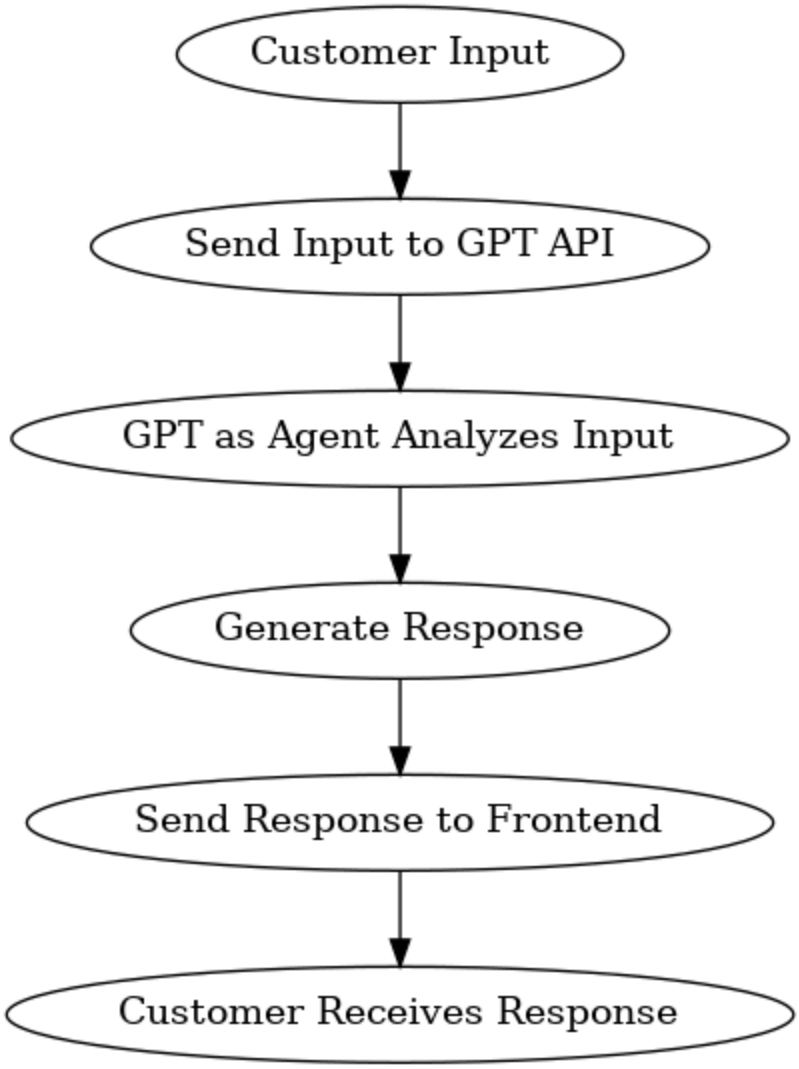
1. **Chat Interface**: A basic, user-friendly frontend where customers can input queries and receive real-time responses. This will include:

    - Message input and display of conversation history.
    - Support for basic customer queries (e.g., product details, order status, return policy).
2. **Basic GPT Integration:**
    - Integration of GPT through OpenAI API for generating intelligent responses.
    - Provide basic training to the GPT model using common e-commerce customer service questions.
3. **Order Status and Product Query Support:**
    - Implement basic integration with the e-commerce system to allow GPT to retrieve order status and product information through API calls.
4. **Backend API and Logging:**
    - Create a backend that connects the chat interface with the GPT model, forwards requests, and logs conversations for future improvements.
    - Basic logging of all customer queries and chatbot responses for analysis and optimization.
5. **Security and Authentication:**
    - Basic user authentication (e.g., login for order-related queries).
    - Secure handling of customer data, ensuring the chatbot can only access information based on user permissions.
6. **Basic Feedback Mechanism:**
    - Collect feedback from users on chatbot responses to gather data for future improvements.

4. MVP Goals:

- Deliver a functional version of the chatbot that can handle a predefined set of common customer queries (e.g., order status, product information).
- Provide a basic training dataset for GPT, focusing on e-commerce-specific questions.
- Allow basic logging and feedback mechanisms for future model refinement.
- Ensure smooth integration with the e-commerce platform's API for order and product information retrieval.
- Offer customers a simple, intuitive interface to interact with the chatbot.

This MVP will focus on some core functionalities like answering common questions and handling basic customer service needs, providing a foundation for future iterations, which will expand to advanced features like personalized recommendations, multi-language support, and seamless integration with human agents for complex queries.


Customer Input
Send Input to GPT API
GPT as Agent Analyzes Input
Generate Response
Send Response to Frontend
Customer Receives Response