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| **Aspect** | **Description** |
| **Model Name** | GPT-3.5-Turbo |
| **Model Source** | OpenAI |
| **Data Source** | Internet Text up until September 2021, including data from online resources: websites, books, Wikipedia, open-source projects, and other publicly available text. |
| **System Prompt Description** | We provided a system prompt to the model, introducing AQAY as an online e-commerce platform that promotes local businesses and their unique products. The role of the model is to manage user inquiries and recommend products tailored to their preferences, such as stylish clothing for summer, popular skincare products, or handmade jewelry. Additionally, the model communicates with the users as AQAY Assistant. It introduces itself to the users as an assistant that uses advanced AI technology to understand queries and suggest items from AQAY's diverse selection of local brands, helping users explore and find the perfect products while highlighting Egyptian craftsmanship and innovation. |
| **Prompt Engineering Steps** |  Introduction **and Mission:** Started with a warm welcome and explained AQAY’s mission to empower local businesses.   Defining **AI Role:** Clearly described the AI assistant’s tasks and responsibilities.   Example **Inquiries:** Provided specific examples of user questions to guide the assistant.   Product **Categories:** Mentioned available product types and categories for recommendations.   Unique **Selling Points:** Highlighted AQAY’s focus on local craftsmanship and innovation. |
| **Use Case** | The model is utilized to act as an AI assistant for AQAY ecommerce platform to enable consumers that are shopping on the application have a seamless user experience |
| **Integration Method** | We used this API call to communicate with OpenAI’s API: openai.chat.completion.create( model = ‘gpt-3.5-turbo’, messages=chat\_log ) Libraries and frameworks: FASTAPI, Pydantic, and the openai Used Language: **Python 3** |
| **Interaction Flow** | Our system prompt is set inside the chat\_log, so that it is considered every time we call the API. We used python 3, to communicate with the model and also implement our API that will manage the whole cycle, in order to receive the prompts from the consumers, communicate them to the model, and send the responses back the consumers. This is our API: HTTP Method: POST Endpoint: **https://aqay-assistant.onrender.com/AqayAssistant/** Request Body: {      "user\_input": "{{user prompt}}"  }  Response Body: {      "response": "{{model’s response}}"  } |
| **Evaluation Metrics for The Model** | Accuracy Rate: 76.2% Response Time: 16.8 seconds |
| **Limitations** | Lack of customization of the model to recommend products that do exist in our Egyptian local market, which will be resolved once we launch and be able to collect real data. Accuracy Rate can be improved by further training on the data. |
| **Ethical Considerations** | Ethical considerations for GPT-3.5 Turbo include addressing bias in training data to prevent unfair outcomes, minimizing the spread of misinformation, and safeguarding user privacy through robust security measures. Transparency about AI interactions and their limitations fosters trust and manages expectations. Additionally, managing the societal impact on jobs and ensuring ethical use cases are crucial for responsible deployment and application of the model. |
| **Deployment** | Render Cloud Services for Hosting Web Applications |
| **Github Repository** | [esraakhalifa/AQAY-Assistant: AQAY Assistant is an AI assistant for the ecommerce platform AQAY. AQAY is a hub for Egyptian local brands that enable business owners to reach a broader audience, and consumers to get what they need from valuable local brands. (github.com)](https://github.com/esraakhalifa/AQAY-Assistant) |
| **Request and Response Format** | JSON |
| **References** | OpenAI APIs Documentation: [Overview - OpenAI API](https://platform.openai.com/docs/overview) |