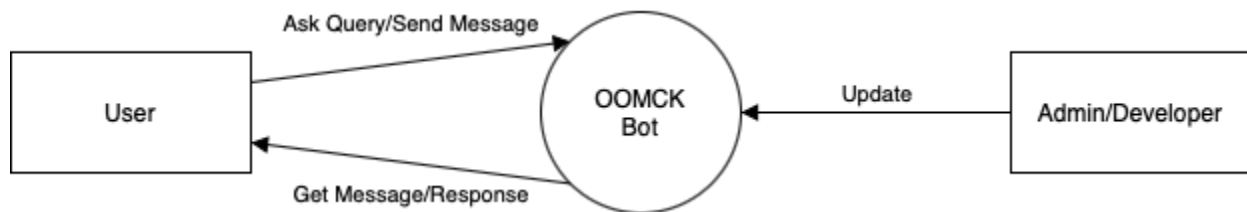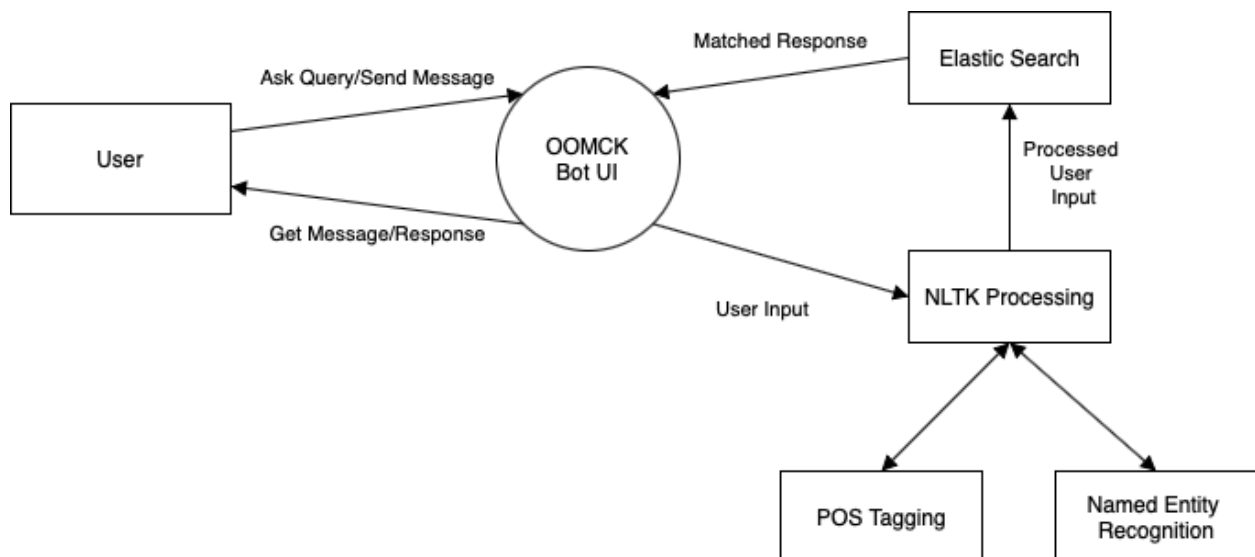# Level 0 DFD:

The level 0 DFD provides a basic overview of the application. In our application, the user interacts with the chatbot by sending a message. The user then receives a response from the chatbot and can continue this back and forth conversation until they choose to stop the program. The admin/developers have the ability to update the application and the data that is used for the resp

Level 1 DFD:

The level 1 DFD is slightly more in-depth and includes the basic modules in the system and the flow of data between these modules. The user interacts with the OOMCK-Bot GUI by sending a message. The user's input is then processed using NLP (python NLTK library). We use two processes in order to improve the response returned by the bot. The user's input goes through POS Tagging, and Named Entity Recognition. The processed input is then used to make a query to our Elastic Search database which returns a response to the user's message. This response is then shown in the GUI and the user can continue the conversation.