A goal-oriented chatbot attempts to solve a specific problem for a user. These chatbots can help people book a ticket, find a reservation, etc. There are two main ways to train a GO chatbot Supervised learning with an encoder-decoder that directly maps user dialogue to responses and reinforcement learning which trains a chatbot through trial-and-error conversations with either real users or a rule-based user simulator. GO chatbots trained through deep reinforcement learning is a very exciting and a ripe research field with numerous practical applications The goal represents what the user wishes to get out of the conversation which in the case of the diagram below is a restaurant reservation.