CSCI 5410: Assignment 2

Part B: Building a Chatbot using AWS Lex Service

Screenshots of the Chatbot created using AWS Lex Service:

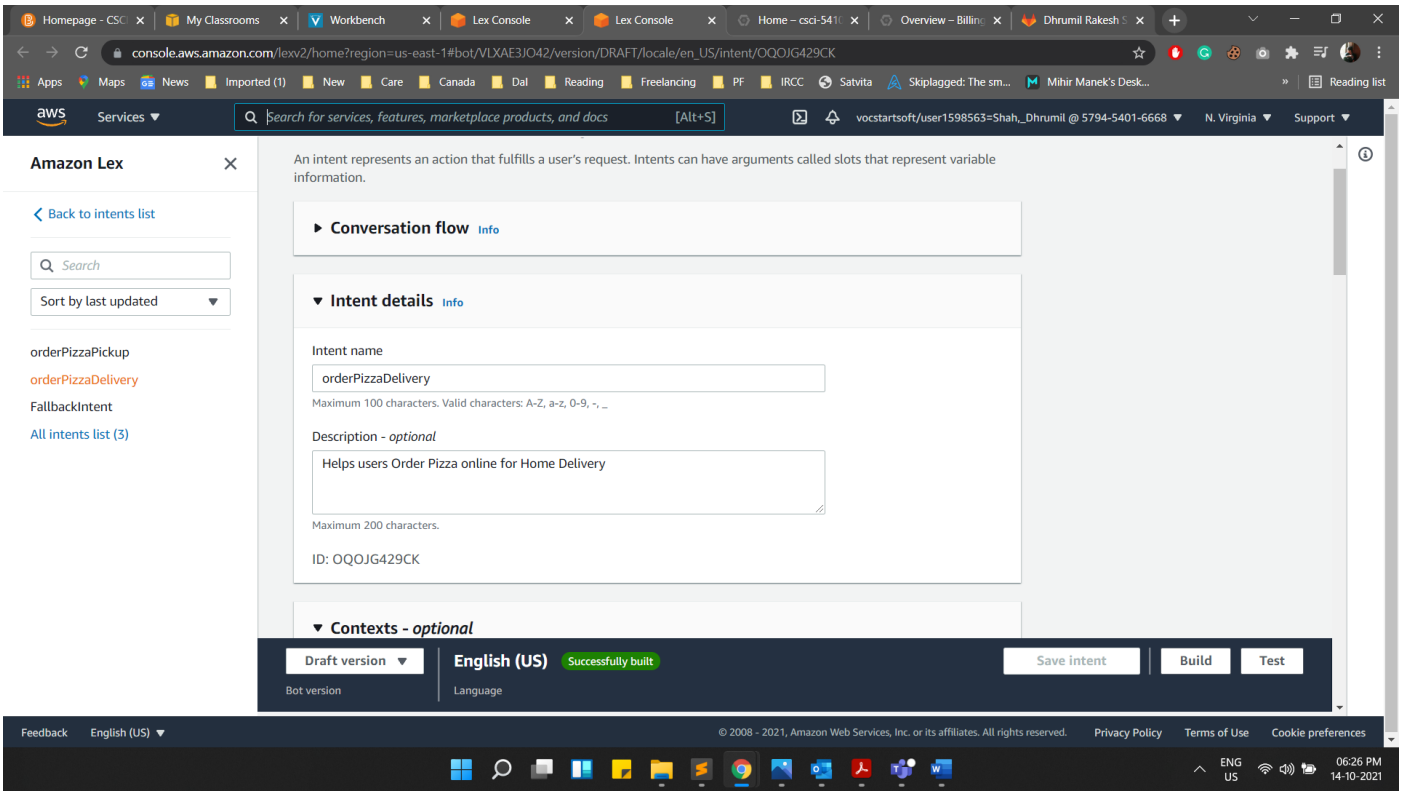

Figure 1: Order Pizza for Home Delivery Intent

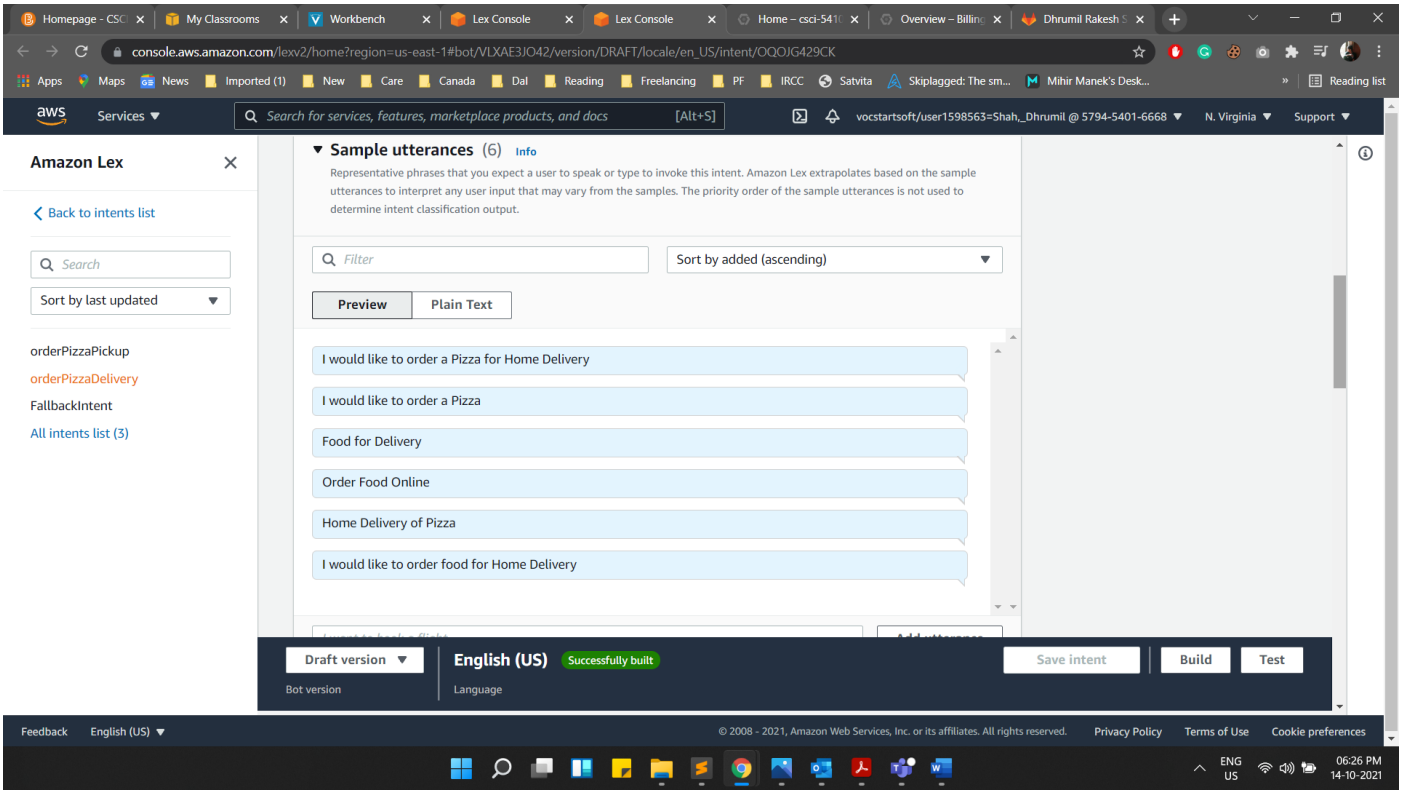

Figure 2: Order Pizza for Home Delivery Utterences

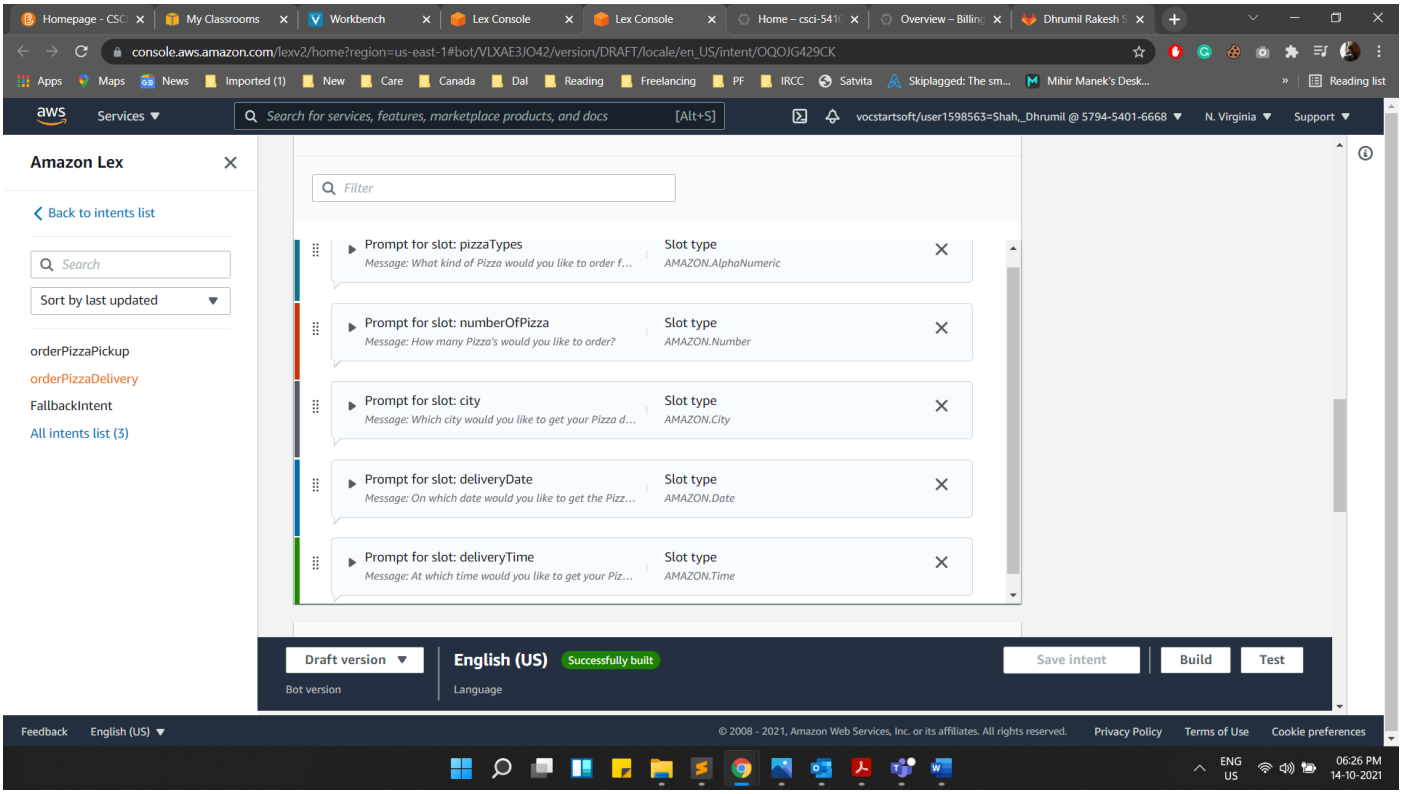

Figure 3: Order Pizza for Home Delivery Slots

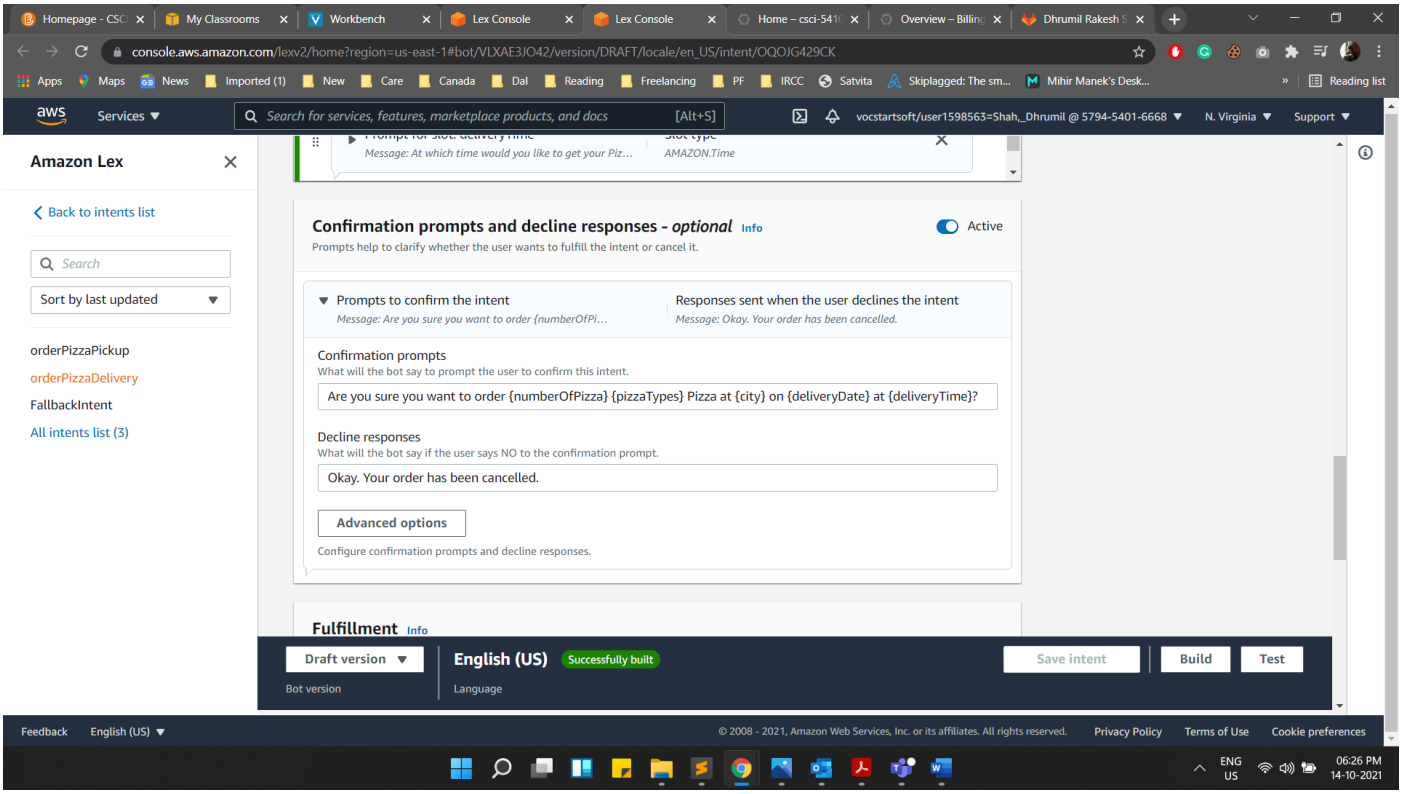

Figure 4: Order Pizza for Home Delivery Confirmation Prompts

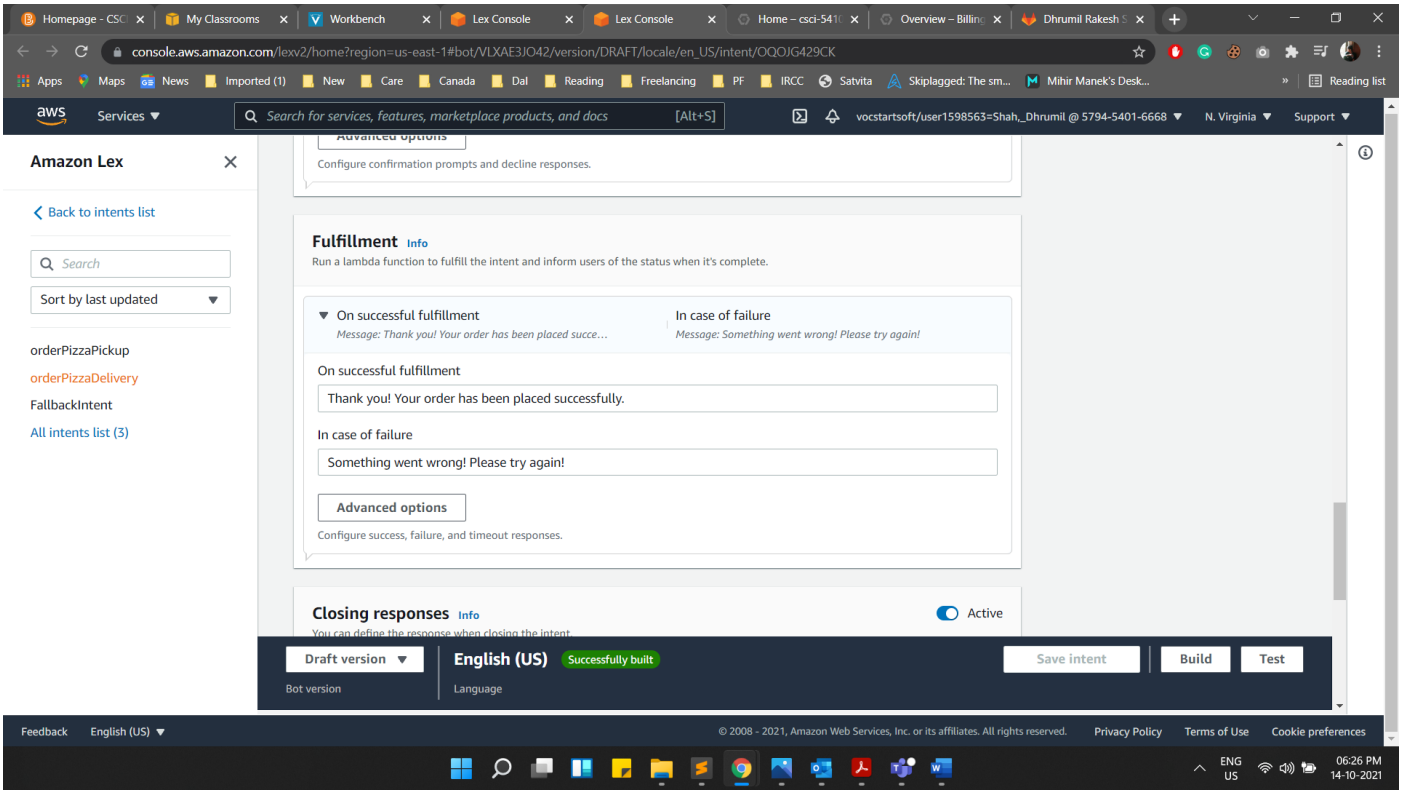

Figure 5: Order Pizza for Home Delivery Fulfillment

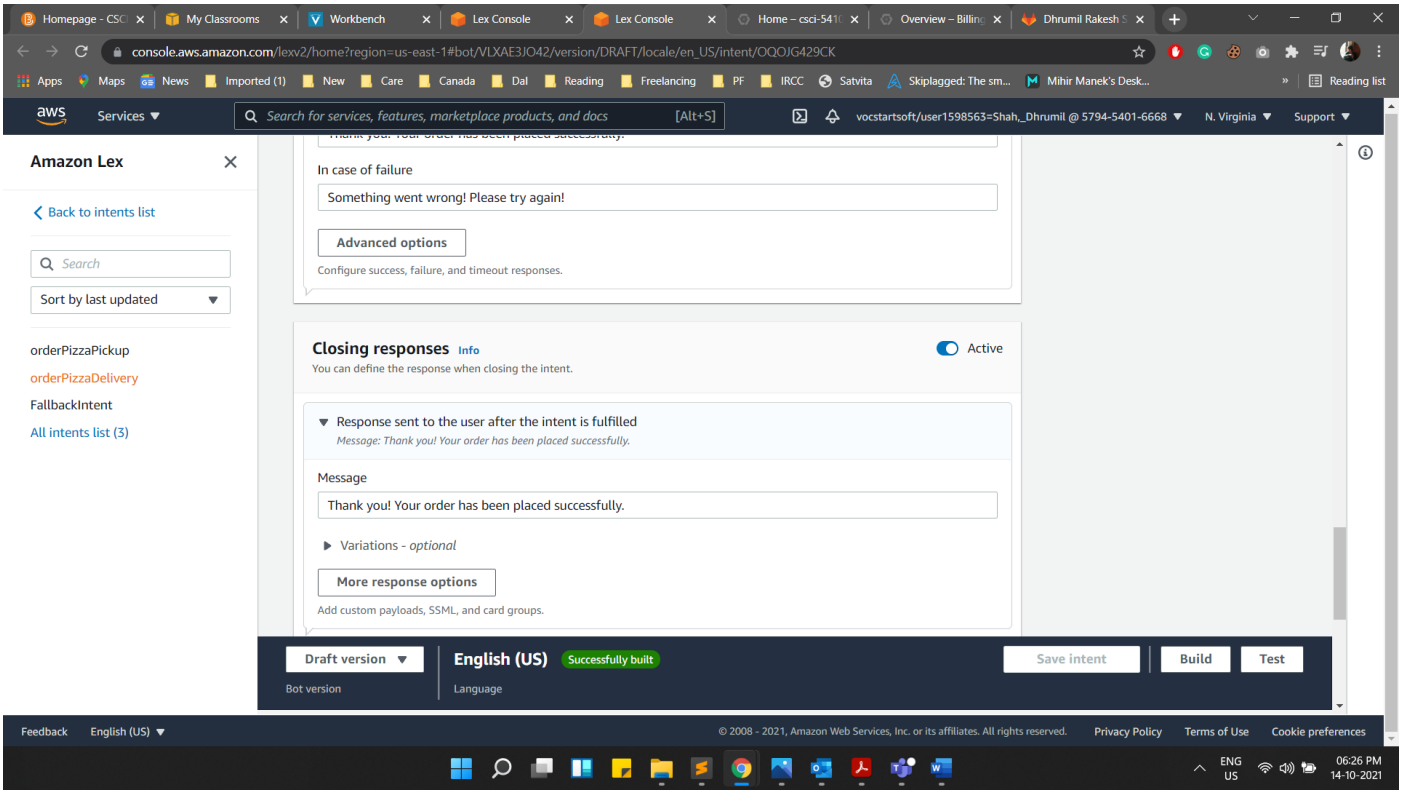

Figure 6: Order Pizza for Home Delivery Closing Responses

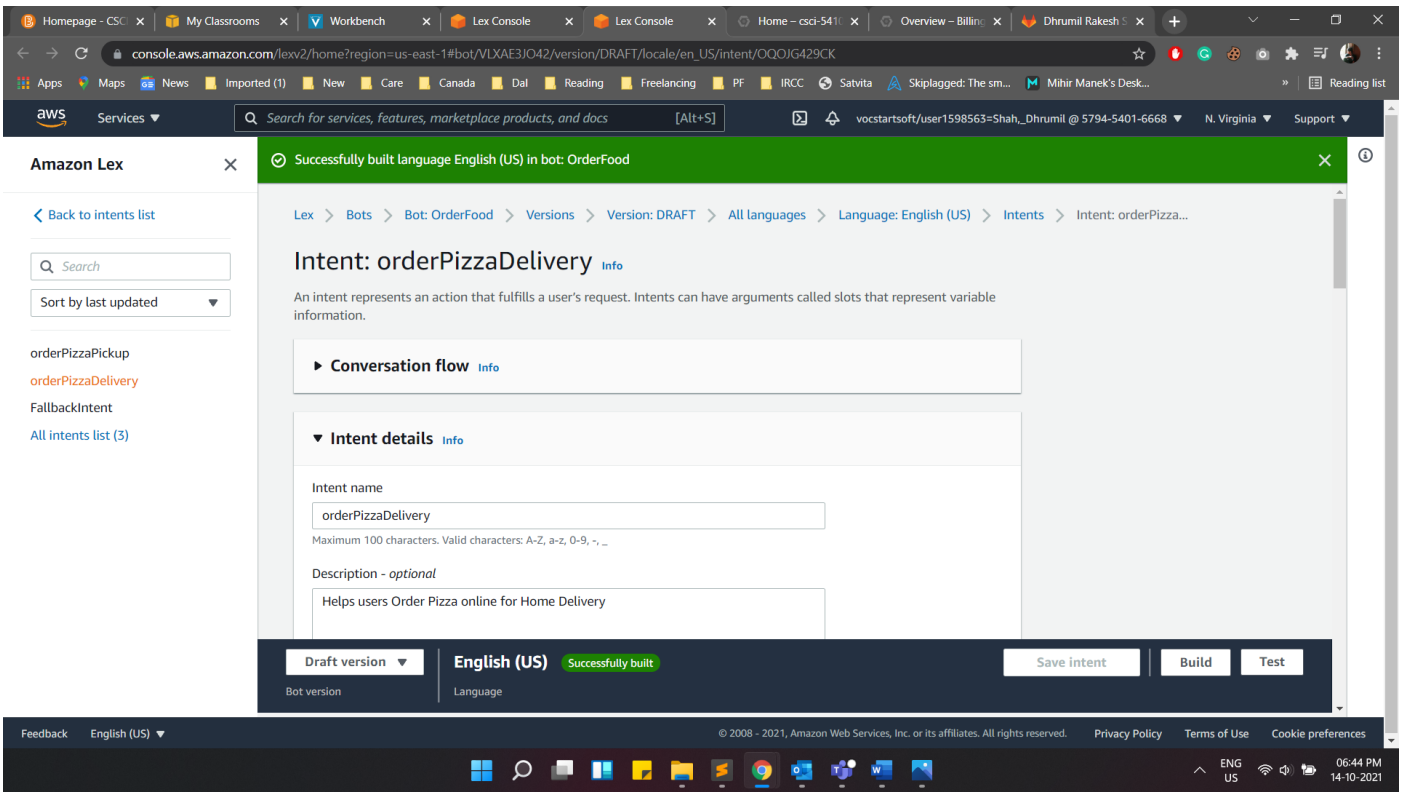

Figure 7: Order Pizza for Delivery Build Success

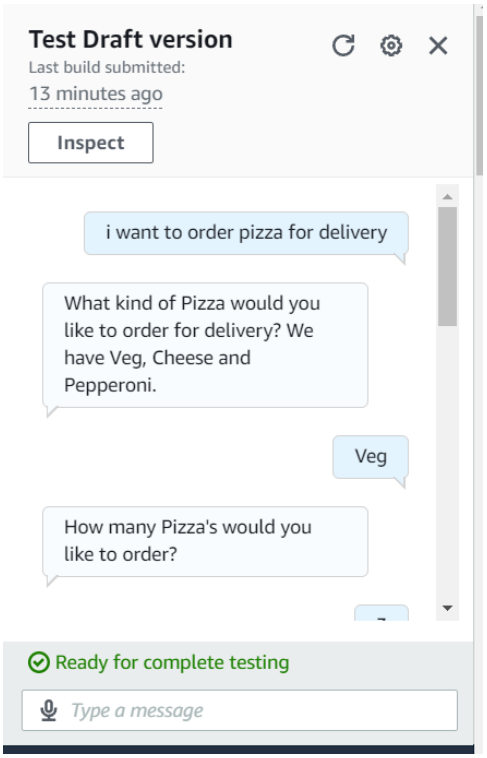

Figure 8: Order Pizza for Delivery Chatbot 1

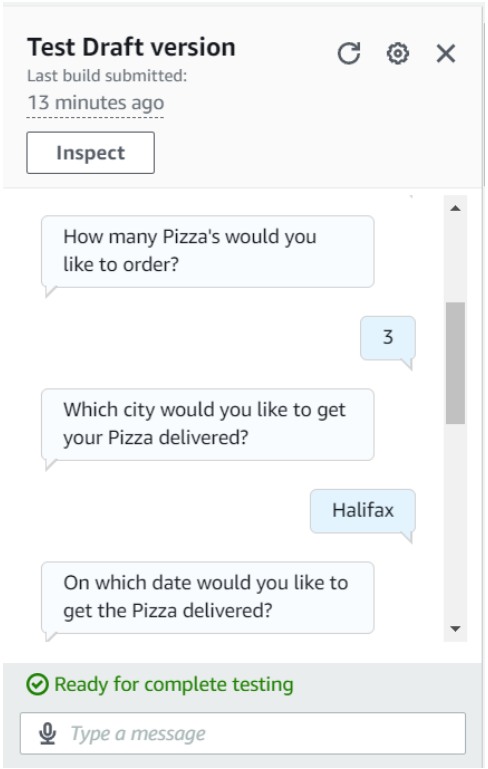

Figure 9: Order Pizza for Delivery Chatbot 2

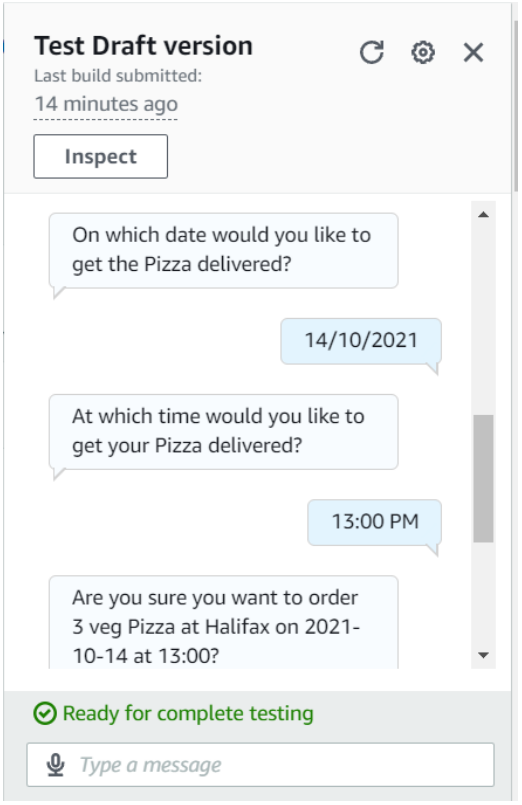

Figure 10: Order Pizza for Delivery Chatbot 3

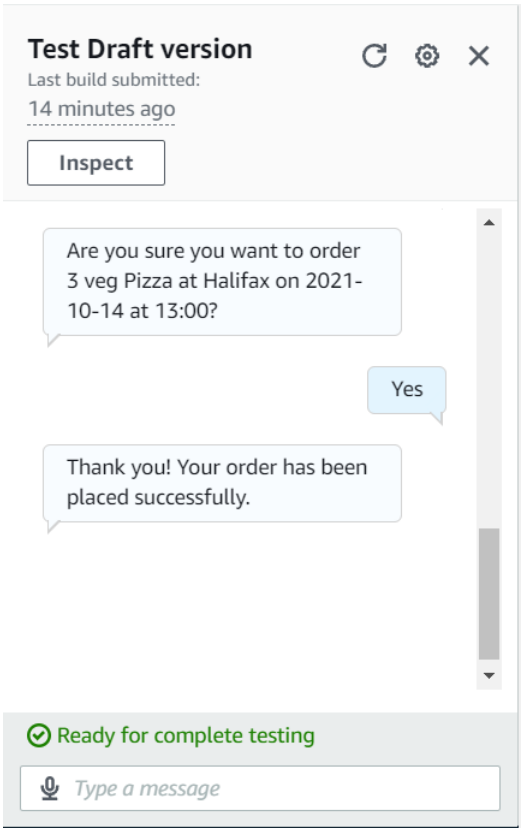

Figure 11: Order Pizza for Delivery Chatbot 4

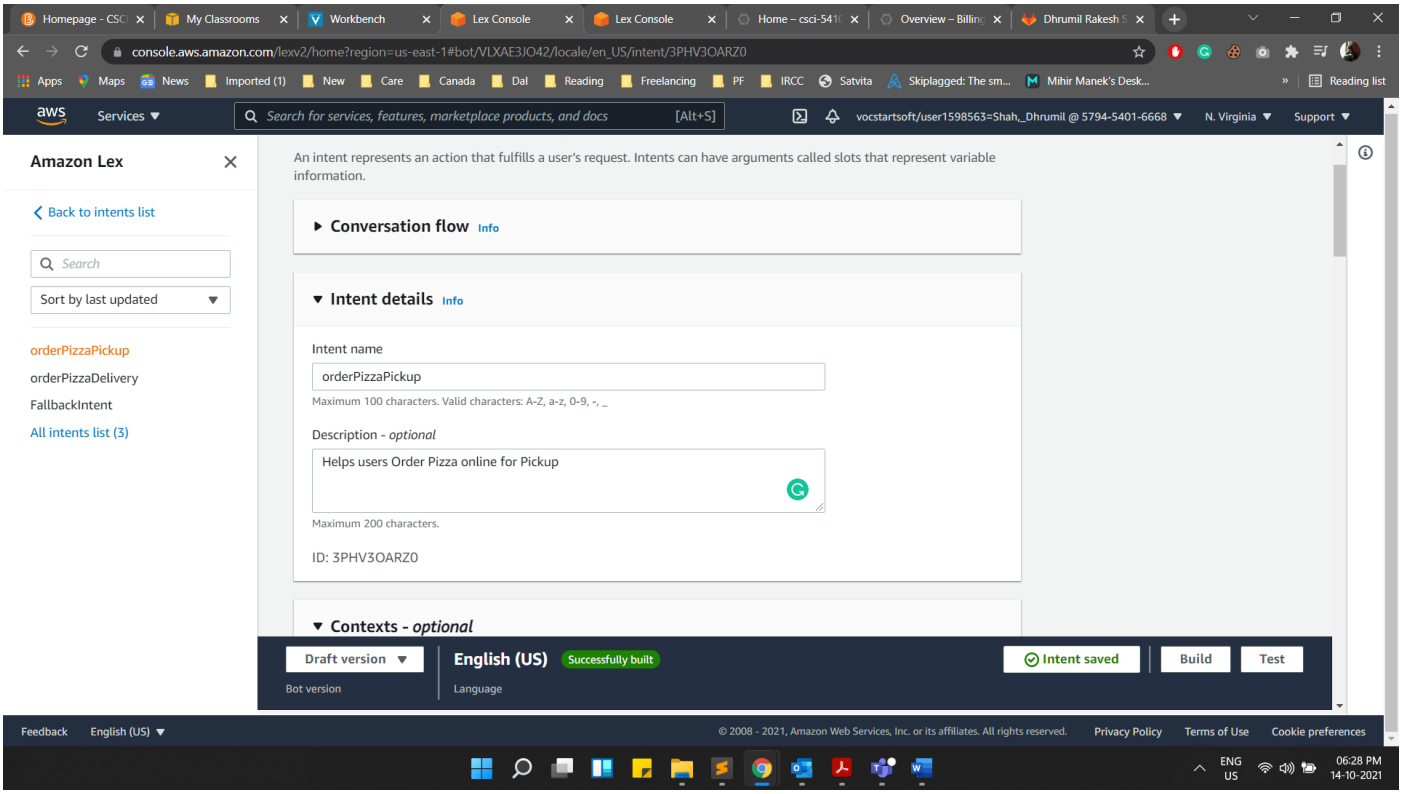

Figure 12: Order Pizza for Pickup Intent

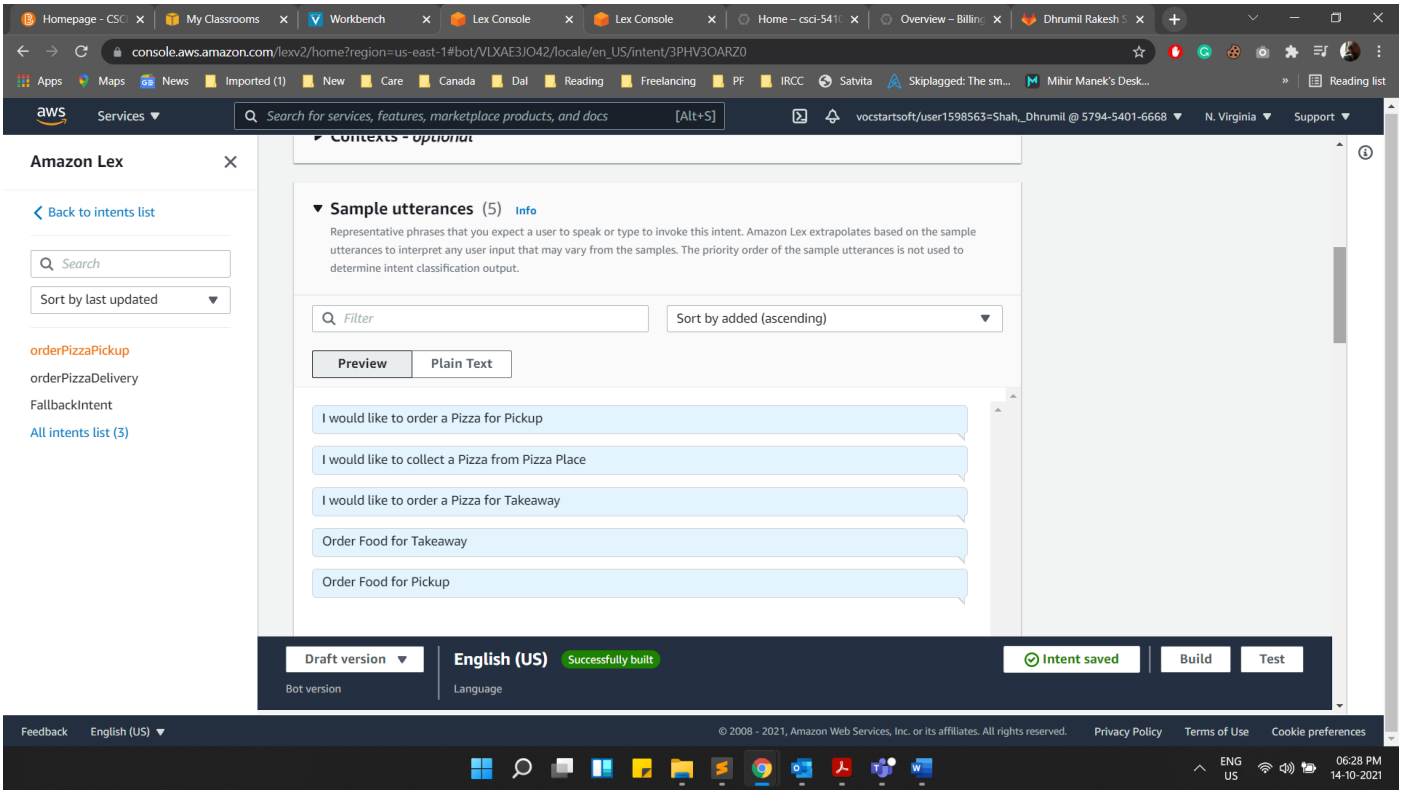

Figure 13: Order Pizza for Pickup Utterences

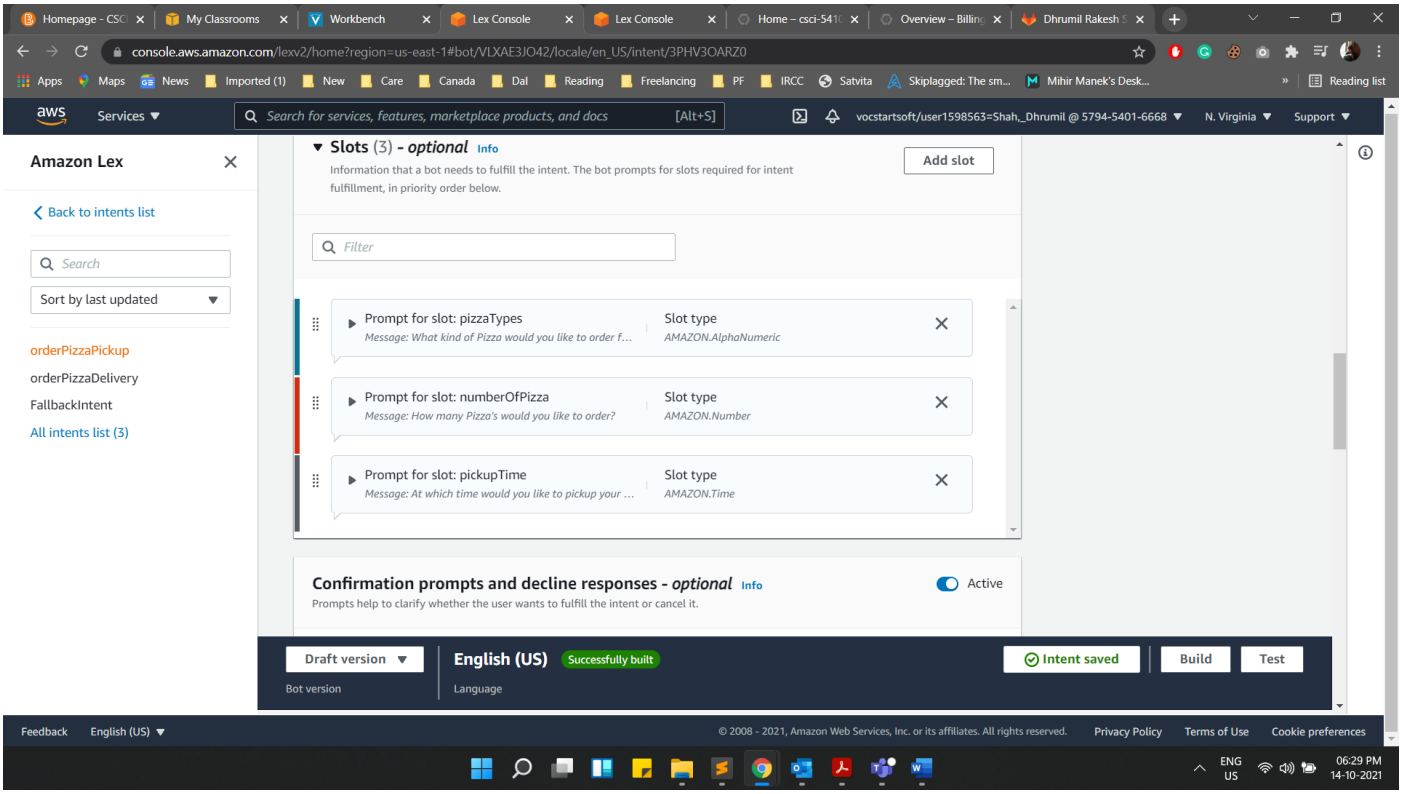

Figure 14: Order Pizza for Pickup Slots

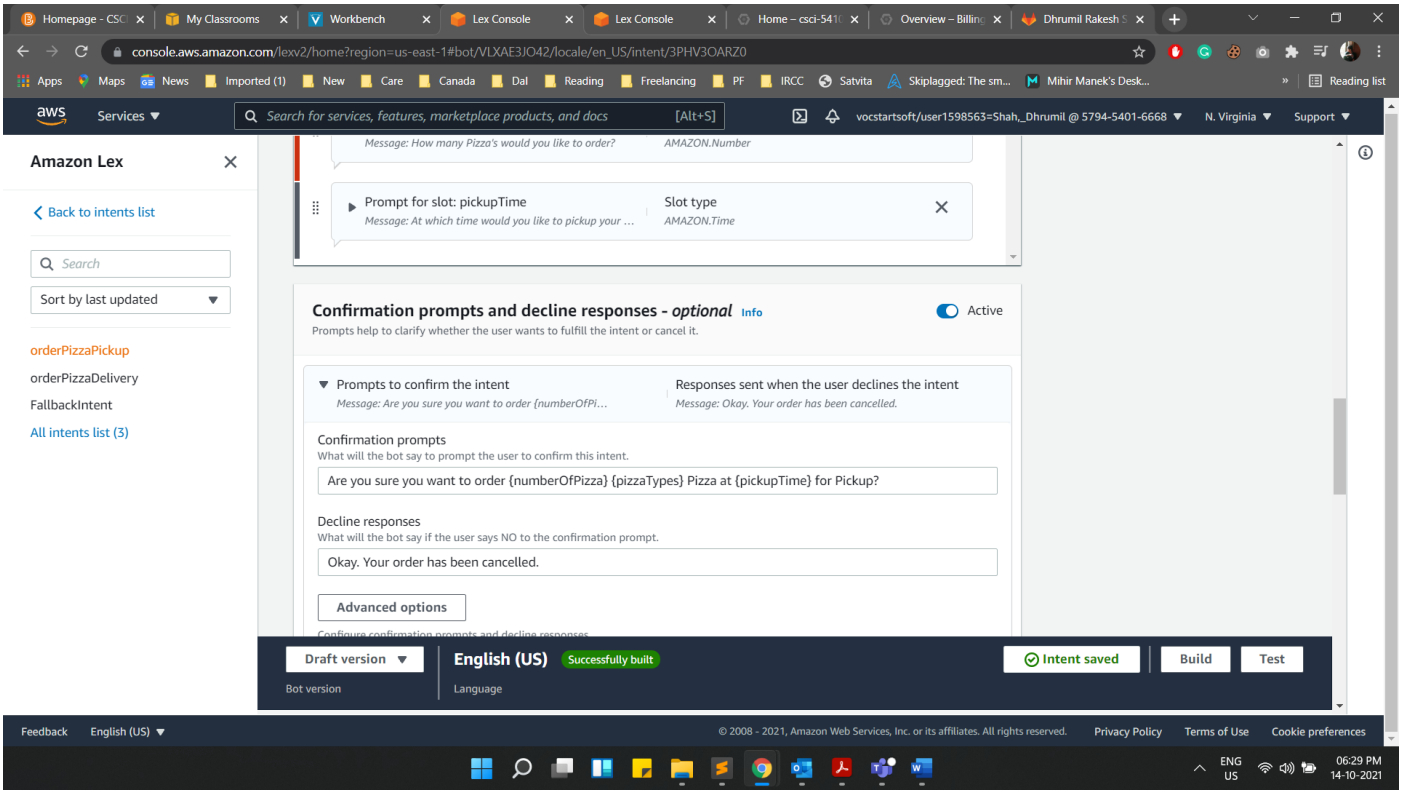

Figure 15: Order Pizza for Pickup Confirmation Prompts

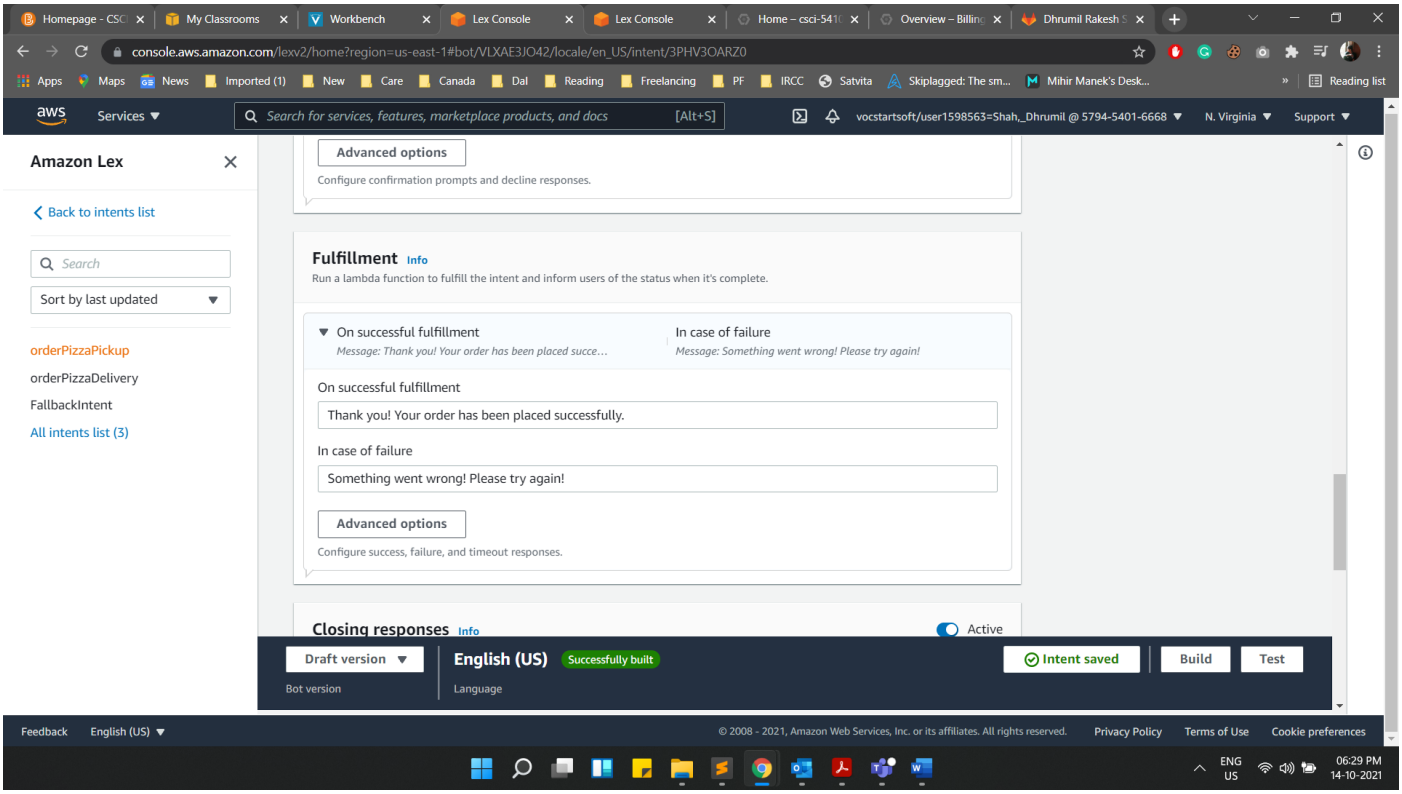

Figure 16: Order Pizza for Pickup Fulfillment

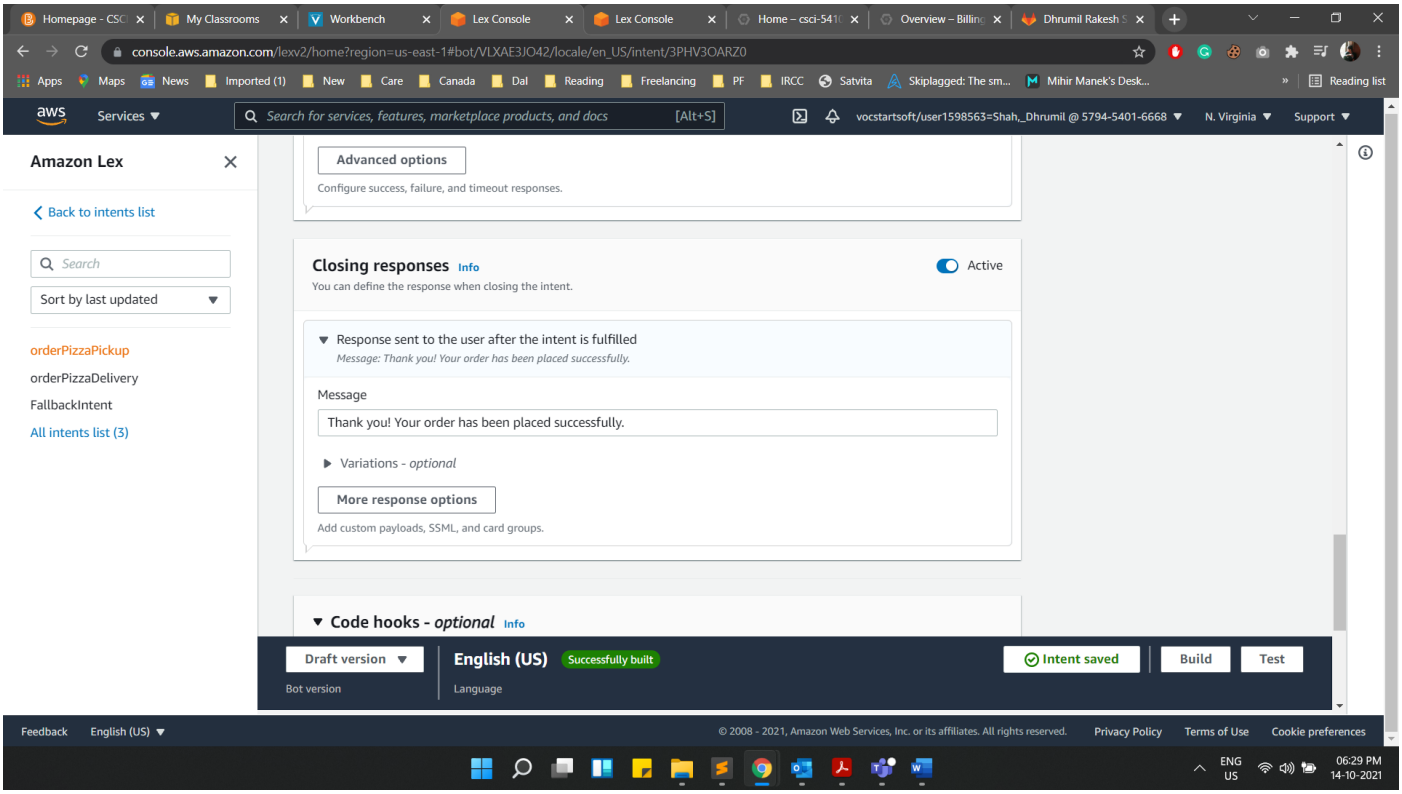

Figure 17: Order Pizza for Pickup Closing Response

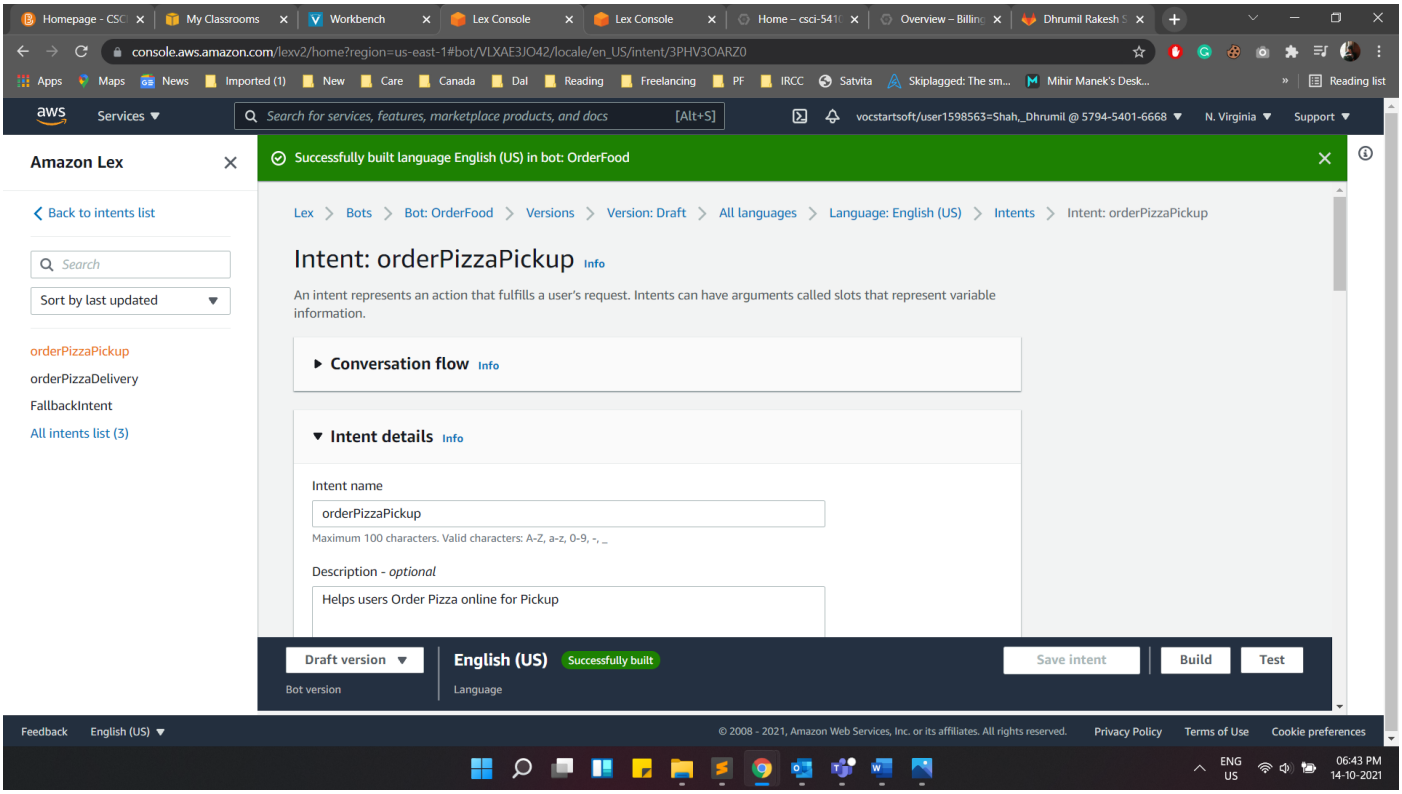

Figure 18: Order Pizza for Pickup Build Success

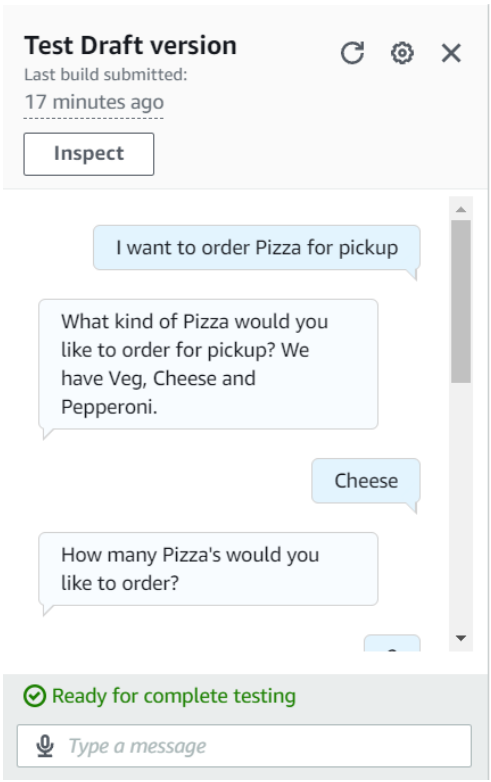

Figure 19: Order Pizza for Pickup Chatbot 1

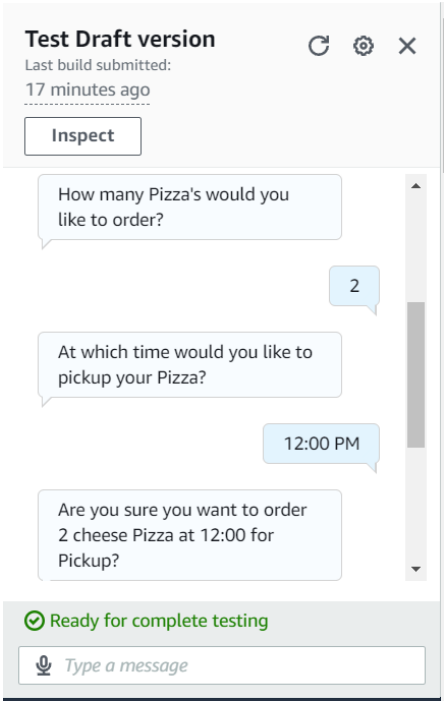

Figure 20: Order Pizza for Pickup Chatbot 2

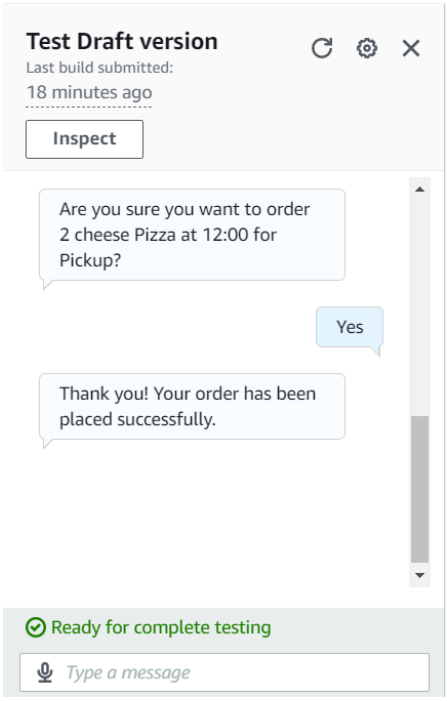

Figure 21: Order Pizza for Pickup Chatbot 3

Summary/Overview of the Entire Process:

In creating a Chatbot for OrderFood, I am creating two intents that the Chatbot will follow;

1. Ordering a Pizza for Delivery for a customer and
2. Ordering a Pizza for Pickup for a customer

As we can see above in the screenshots, both intents have separate utterances that can easily distinguish themselves. The prompts for both intents are different, making it easy for the customer. Furthermore, the slots for each operation are set differently.
The operation is performed by using the AWS Lex service that lets users to build a Chatbot by using Intents, Utterences, Slots, Confirmation Prompts, Fulfillment messages and even Closing Responses. These help divide and determine how the operation and behaviour of the Chatbot will be.
Once the required fileds are added we need to save the Intent and then Build the intent. If there are any errors faced in the build then we need to rectify those errors and then on successful build we can Test the chatbot.