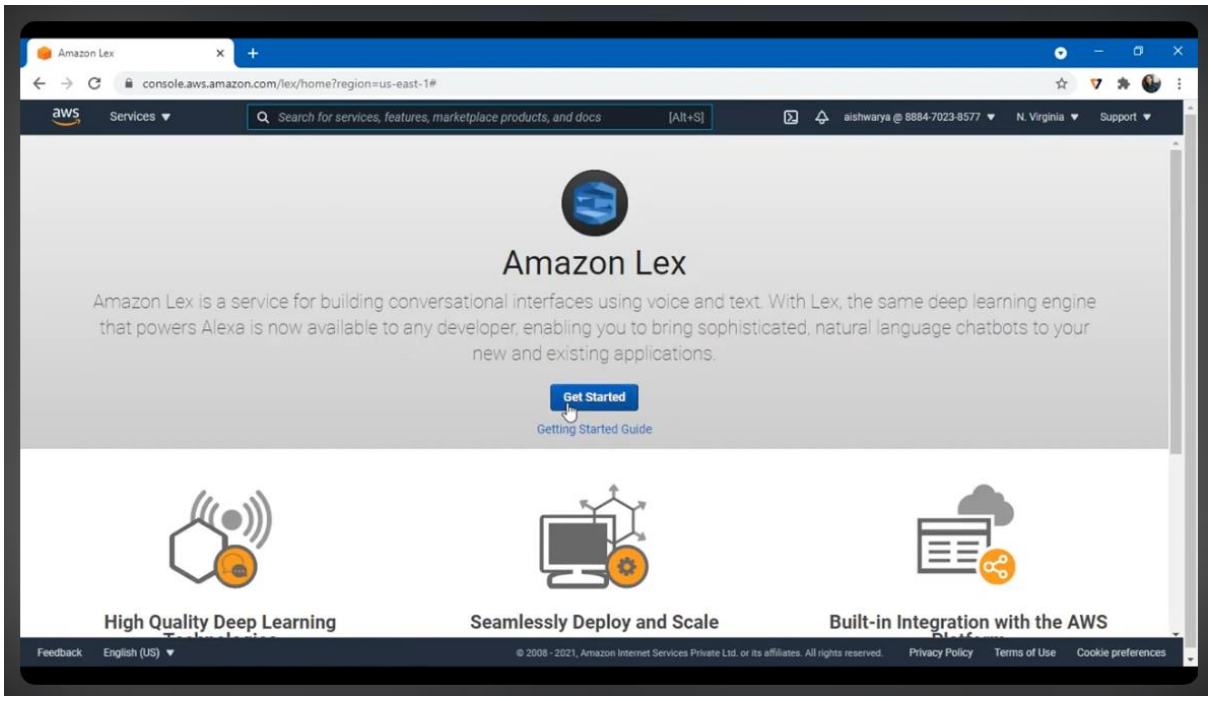
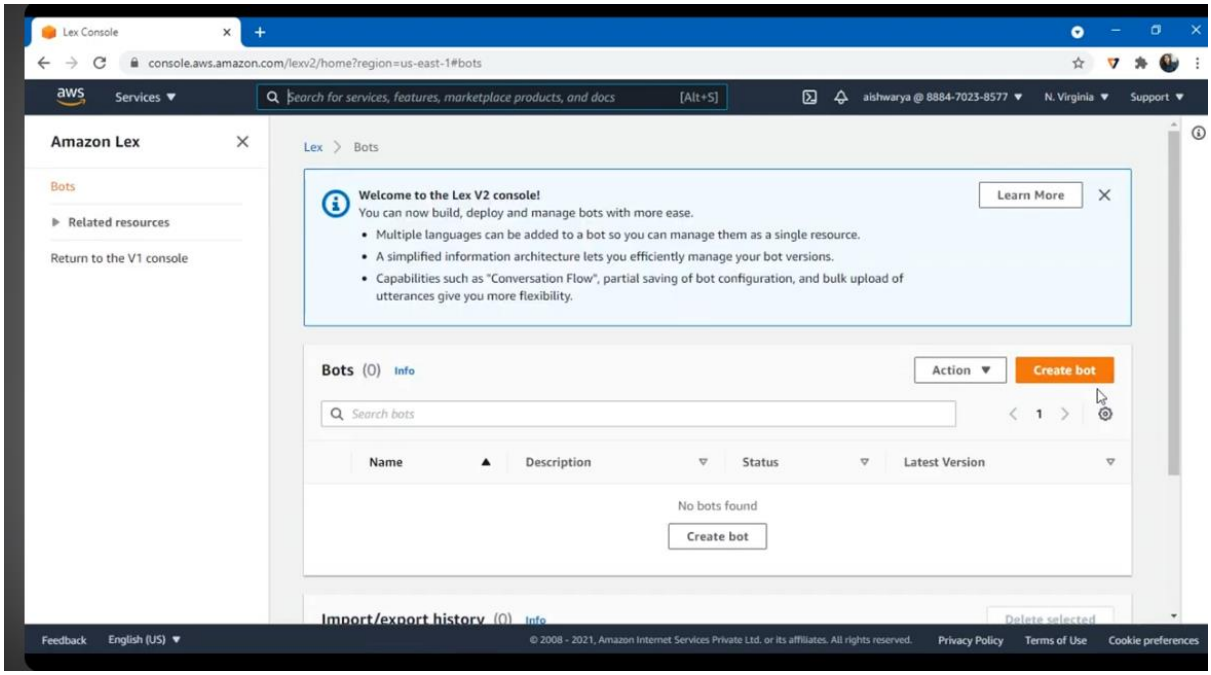
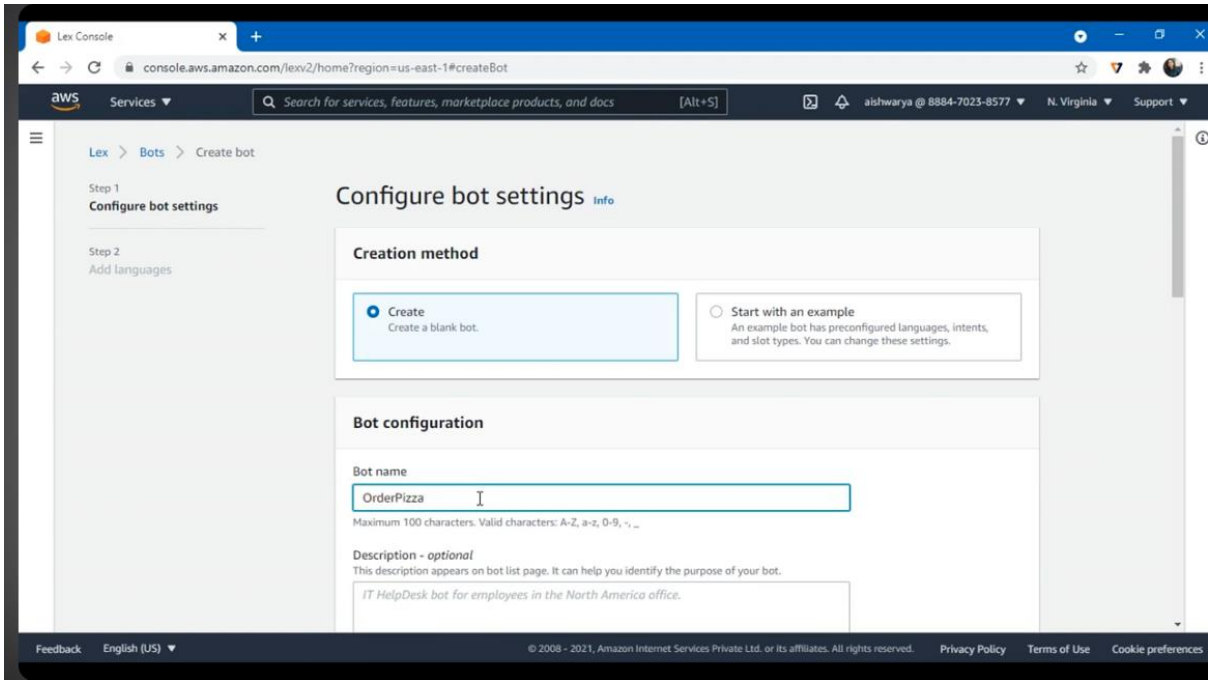
DEPLOYING A CHATBOT APPLICATION USING AMAZON LEX






Lex Console
console.aws.amazon.com/lexv2/home?region=us-east-1#createBot
aws
Services
Search for services, features, marketplace products, and docs [Alt+S]
aishwarya @ 8884-7023-8577
N. Virginia
Support
Lex > Bots > Create bot
Step 1
Configure bot settings
Step 2
Add languages
Configure bot settings Info
Creation method
Create
Create a blank bot.
Start with an example
An example bot has preconfigured languages, intents, and slot types. You can change these settings.
Bot configuration
Bot name
OrderPizza
Maximum 100 characters. Valid characters: A-Z, a-z, 0-9, -, _
Description - optional
This description appears on bot list page. It can help you identify the purpose of your bot.
IT HelpDesk bot for employees in the North America office.
Feedback
English (US)
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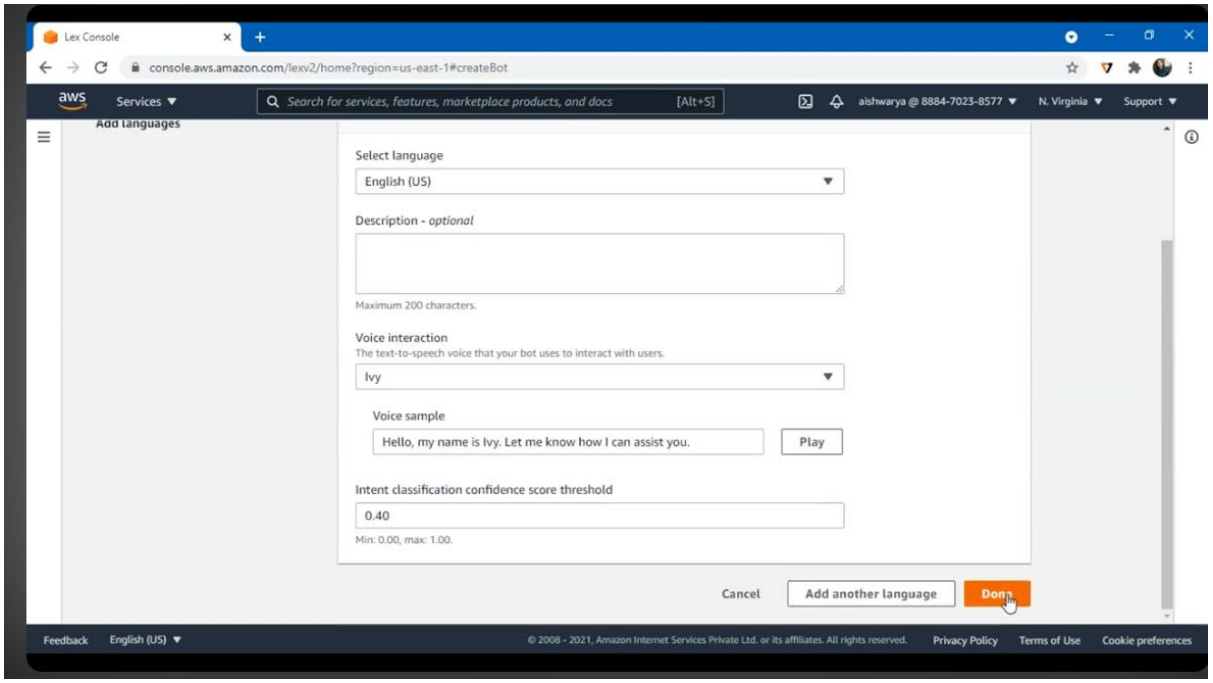
Lex Console
console.aws.amazon.com/lexv2/home?region=us-east-1#createBot
aws
Services
Search for services, features, marketplace products, and docs [Alt+S]
aishwarya @ 8884-7023-8577
N. Virginia
Support
Add languages
Select language
English (US)
Description - optional
Maximum 200 characters.
Voice interaction
The text-to-speech voice that your bot uses to interact with users.
Ivy
Voice sample
Hello, my name is Ivy. Let me know how I can assist you.
Play
Intent classification confidence score threshold
0.40
Min: 0.00, max: 1.00.
Cancel
Add another language
Done
Feedback
English (US)
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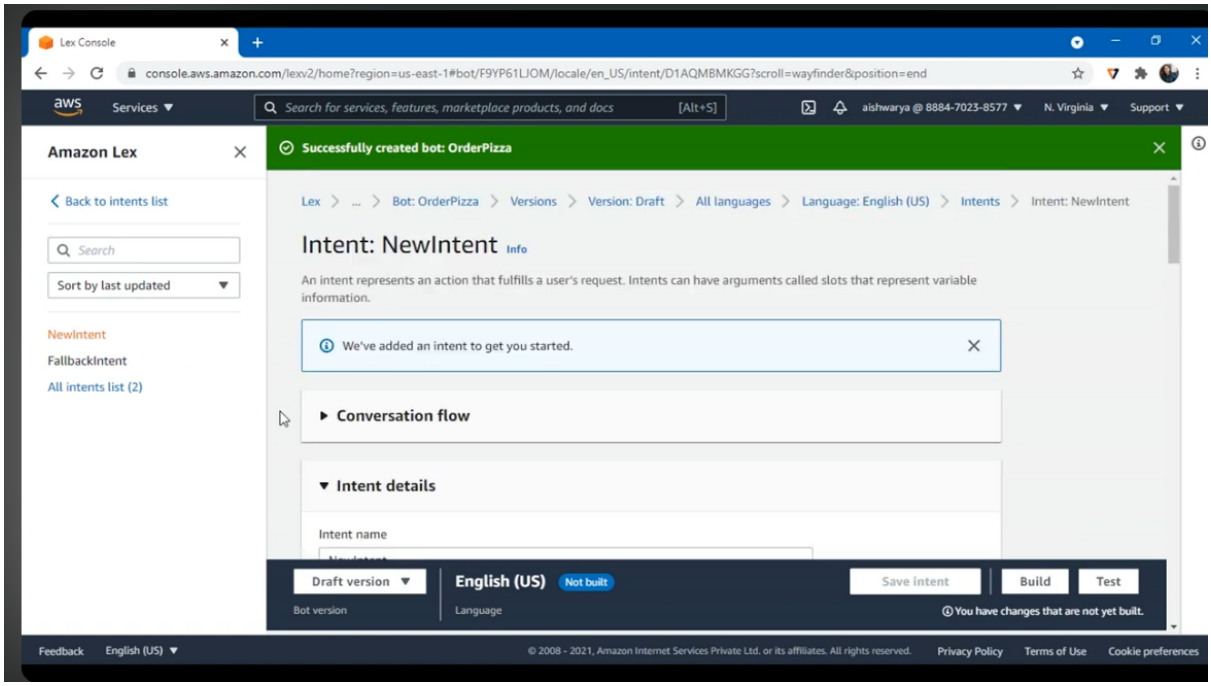
Lex Console
console.aws.amazon.com/lexv2/home?region=us-east-1#bot/F9YP61LJOM/locale/en_US/intent/D1AQMBMKGG?scroll=wayfinder&position=end
Services
Search for services, features, marketplace products, and docs [Alt+S]
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N. Virginia
Support
Amazon Lex
Back to intents list
Search
Sort by last updated
NewIntent
FallbackIntent
All intents list (2)
Successfully created bot: OrderPizza
Lex > ... > Bot: OrderPizza > Versions > Version: Draft > All languages > Language: English (US) > Intents > Intent: NewIntent
Intent: NewIntent Info
An intent represents an action that fulfills a user's request. Intents can have arguments called slots that represent variable information.
We've added an intent to get you started.
Conversation flow
Intent details
Intent name
Draft version
Bot version
English (US)
Not built
Language
Save intent
Build
Test
You have changes that are not yet built.
Feedback
English (US)
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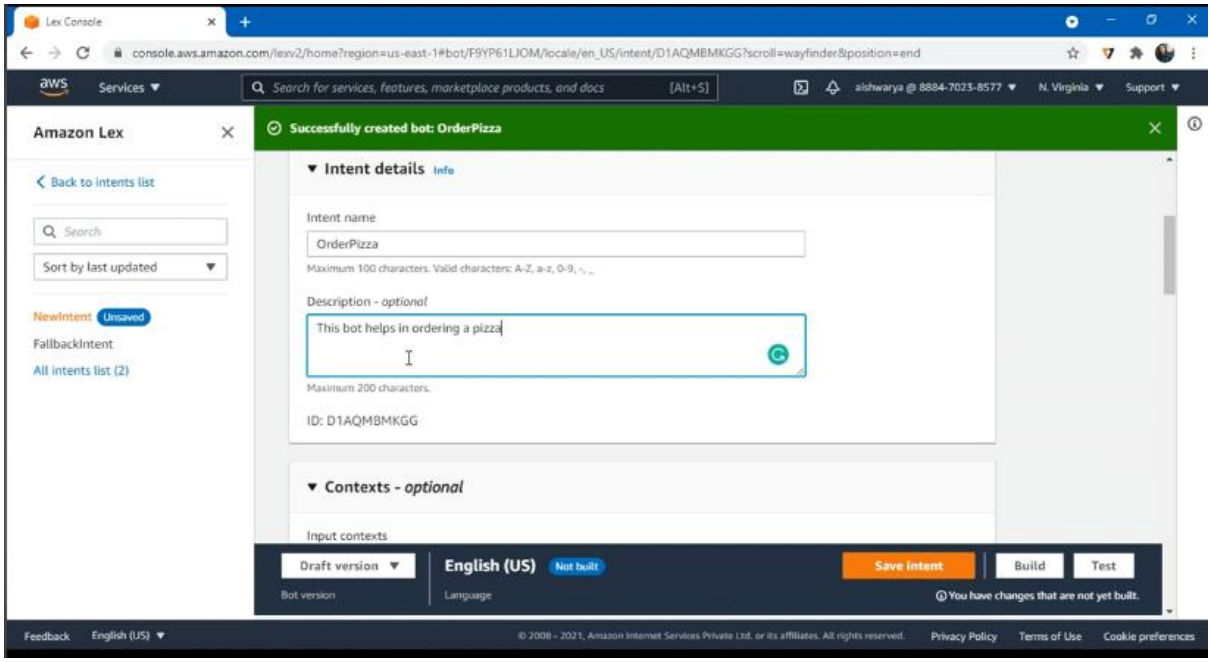
Lex Console
console.aws.amazon.com/lexv2/home?region=us-east-1#bot/F9YP61LJOM/locale/en_US/intent/D1AQMBMKGG?scroll=wayfinder&position=end
Services
Search for services, features, marketplace products, and docs [Alt+S]
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N. Virginia
Support
Amazon Lex
Back to intents list
Search
Sort by last updated
NewIntent Unsaved
FallbackIntent
All intents list (2)
Successfully created bot: OrderPizza
Intent details Info
Intent name
OrderPizza
Maximum 100 characters. Valid characters: A-Z, a-z, 0-9, _
Description - optional
This bot helps in ordering a pizza
Maximum 200 characters.
ID: D1AQMBMKGG
Contexts - optional
Input contexts
Draft version
Bot version
English (US)
Not built
Language
Save intent
Build
Test
You have changes that are not yet built.
Feedback
English (US)
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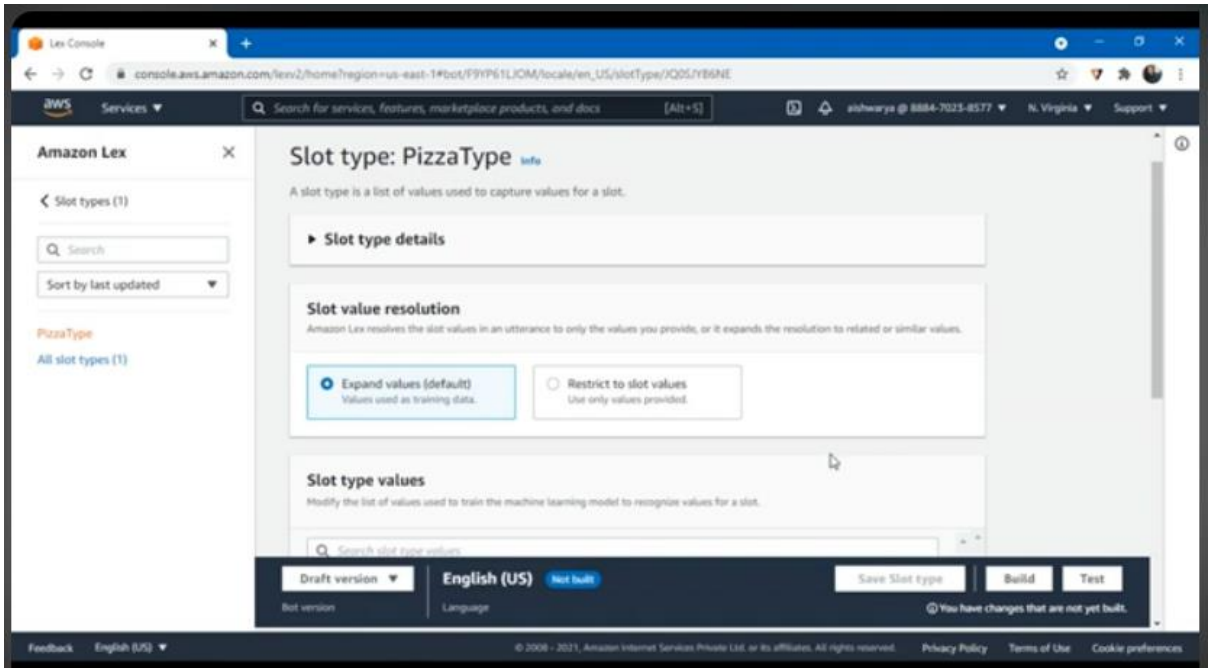
Lex Console
Amazon Lex
Slot types (1)
Search
Sort by last updated
PizzaType
All slot types (1)
Slot type: PizzaType
Info
A slot type is a list of values used to capture values for a slot.
Slot type details
Slot value resolution
Amazon Lex resolves the slot values in an utterance to only the values you provide, or it expands the resolution to related or similar values.
Expand values (default)
Values used as training data.
Restrict to slot values
Use only values provided.
Slot type values
Modify the list of values used to train the machine learning model to recognize values for a slot.
Draft version
Bot version
English (US)
Not built
Language
Save Slot type
Build
Test
You have changes that are not yet built.
Feedback
English (US)
Privacy Policy
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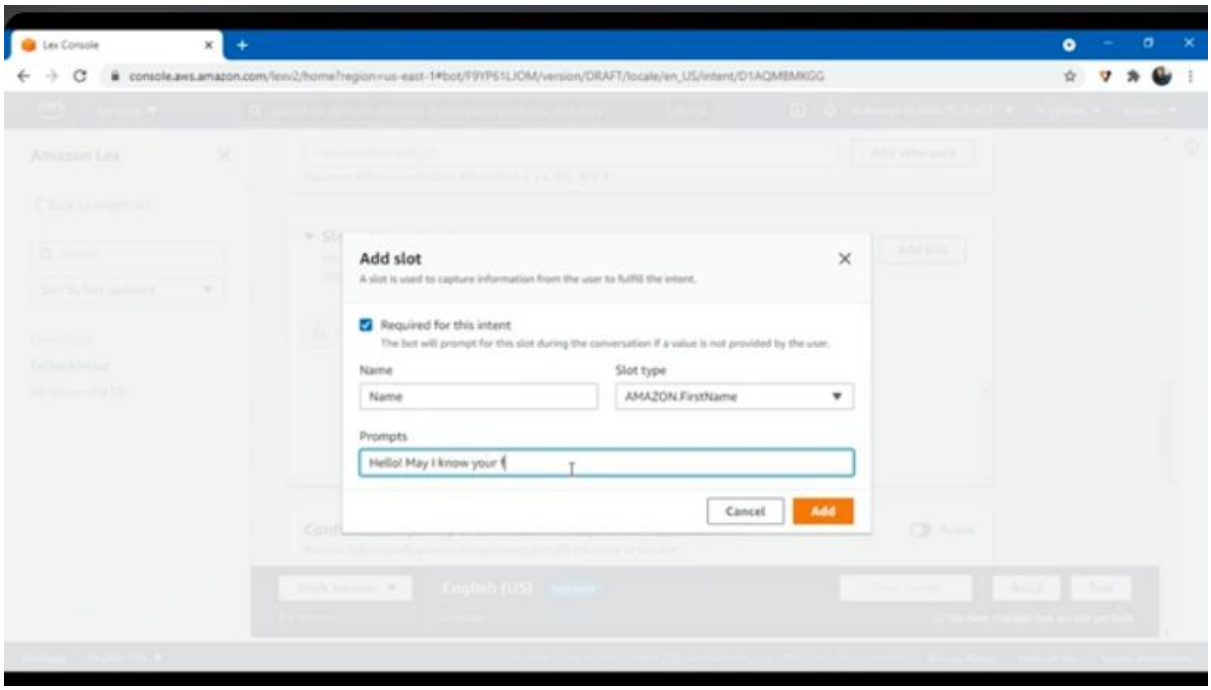
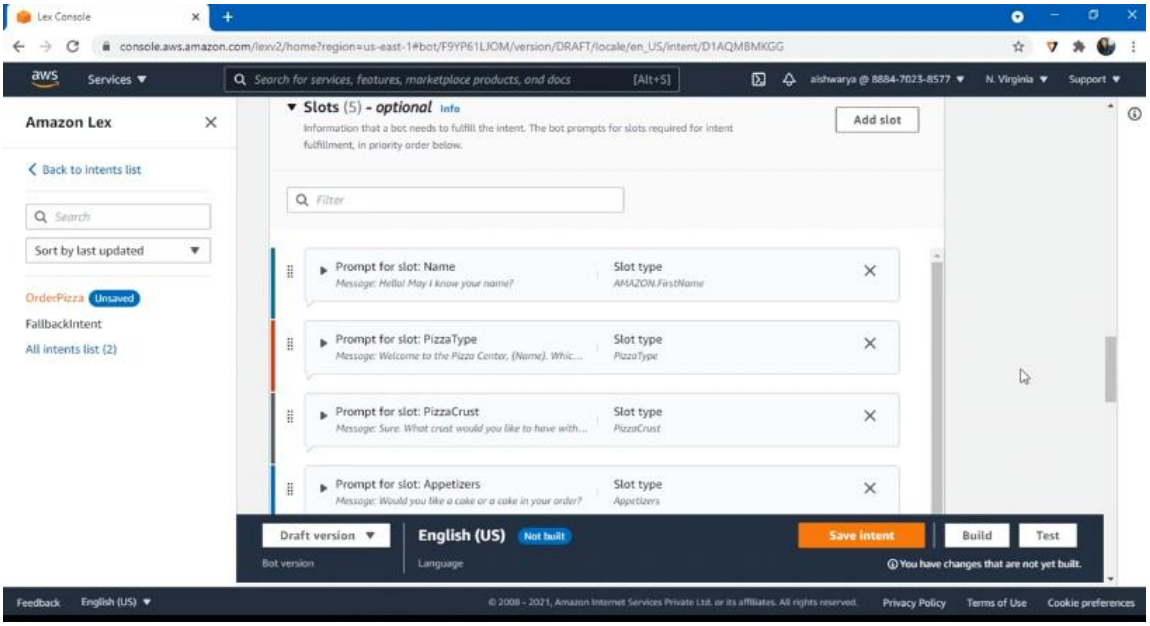

Lex Console
Add slot
A slot is used to capture information from the user to fulfill the intent.
Required for this intent
The bot will prompt for this slot during the conversation if a value is not provided by the user.
Name
Name
Slot type
AMAZON.FirstName
Prompts
Hello! May I know your
Cancel
Add


Lex Console
console.aws.amazon.com/lexv2/home?region=us-east-1#bot/F9YP61LJOM/version/DRAFT/locale/en_US/intent/D1AQMBMKGG
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N. Virginia
Support
Amazon Lex
Back to intents list
Search
Sort by last updated
OrderPizza Unsaved
FallbackIntent
All intents list (2)
Slots (5) - optional Info
Information that a bot needs to fulfill the intent. The bot prompts for slots required for intent fulfillment, in priority order below.
Add slot
Filter
Prompt for slot: Name
Message: Hello! May I know your name?
Slot type
AMAZON.FirstName
Prompt for slot: PizzaType
Message: Welcome to the Pizza Center, {Name}. Whic...
Slot type
PizzaType
Prompt for slot: PizzaCrust
Message: Sure. What crust would you like to have with...
Slot type
PizzaCrust
Prompt for slot: Appetizers
Message: Would you like a coke or a coke in your order?
Slot type
Appetizers
Draft version
Bot version
English (US)
Not built
Language
Save intent
Build
Test
You have changes that are not yet built.
Feedback
English (US)
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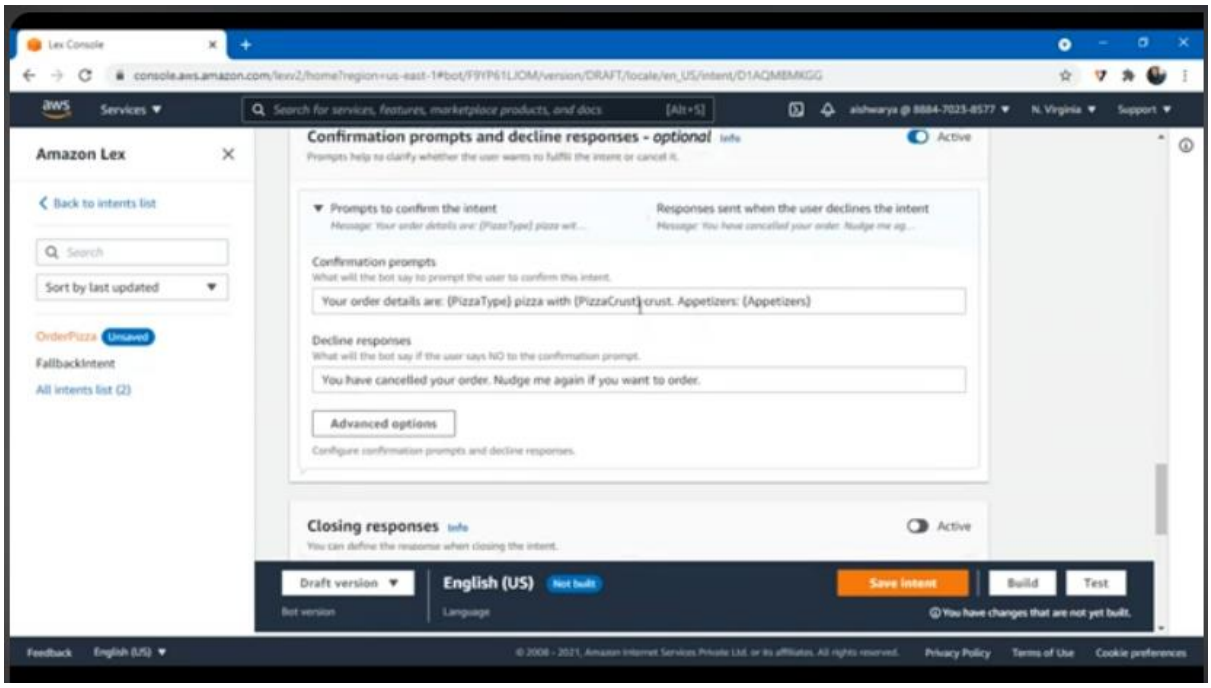
Lex Console
console.aws.amazon.com/lexv2/home?region=us-east-1#bot/F9YP61LJOM/version/DRAFT/locale/en_US/intent/D1AQMBMKGG
Services
Search for services, features, marketplace products, and docs [Alt+S]
aishwarya @ 8884-7023-8577
N. Virginia
Support
Amazon Lex
Back to intents list
Search
Sort by last updated
OrderPizza Unsaved
FallbackIntent
All intents list (2)
Confirmation prompts and decline responses - optional Info
Active
Prompts to confirm the intent
Responses sent when the user declines the intent
Confirmation prompts
What will the bot say to prompt the user to confirm this intent.
Your order details are: {PizzaType} pizza with {PizzaCrust} crust. Appetizers: {Appetizers}
Decline responses
What will the bot say if the user says NO to the confirmation prompt.
You have cancelled your order. Nudge me again if you want to order.
Advanced options
Configure confirmation prompts and decline responses.
Closing responses Info
You can define the response when closing the intent.
Active
Draft version
Bot version
English (US)
Not built
Language
Save intent
Build
Test
You have changes that are not yet built.
Feedback
English (US)
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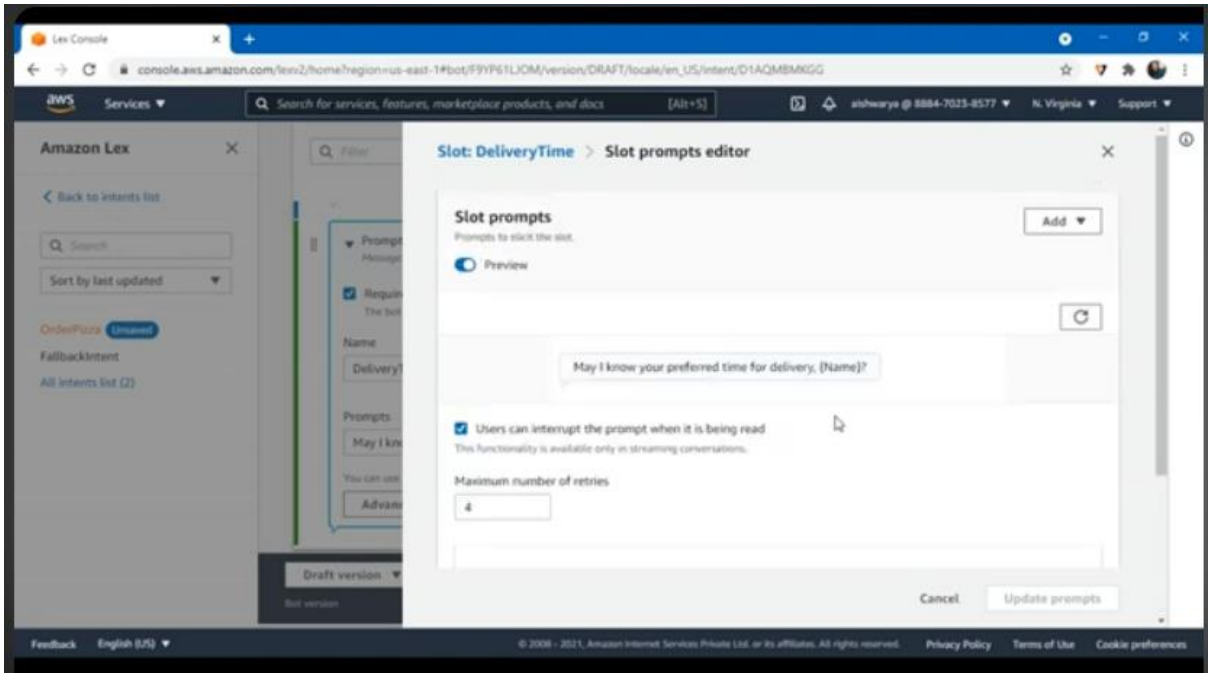
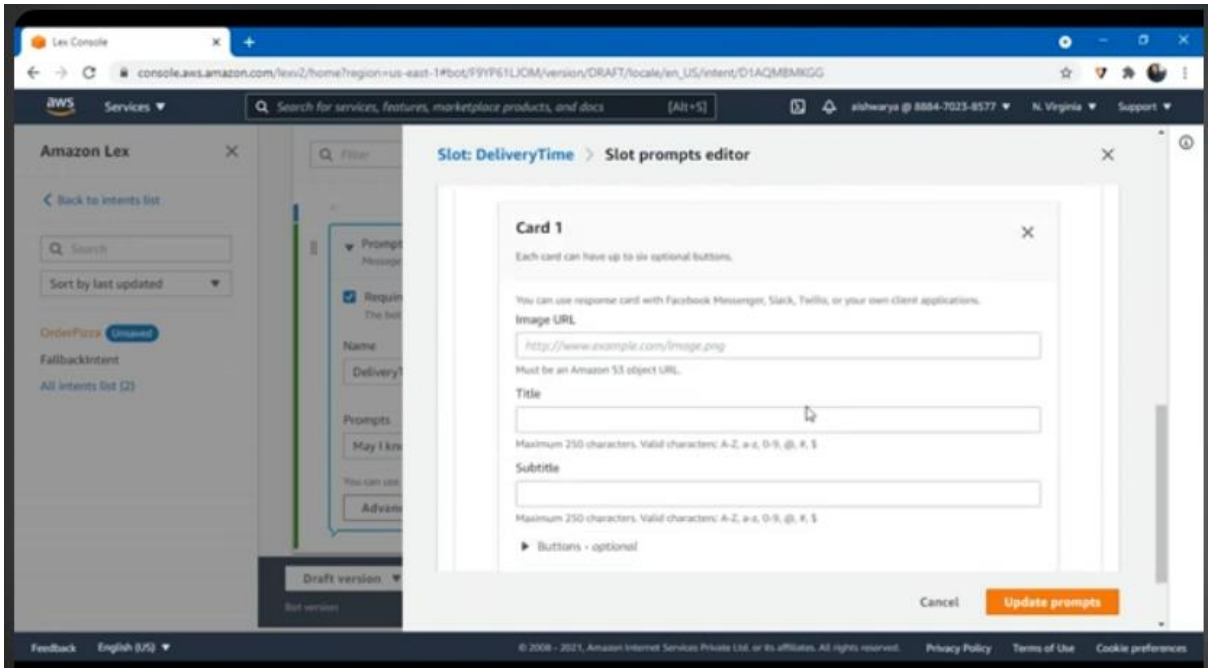
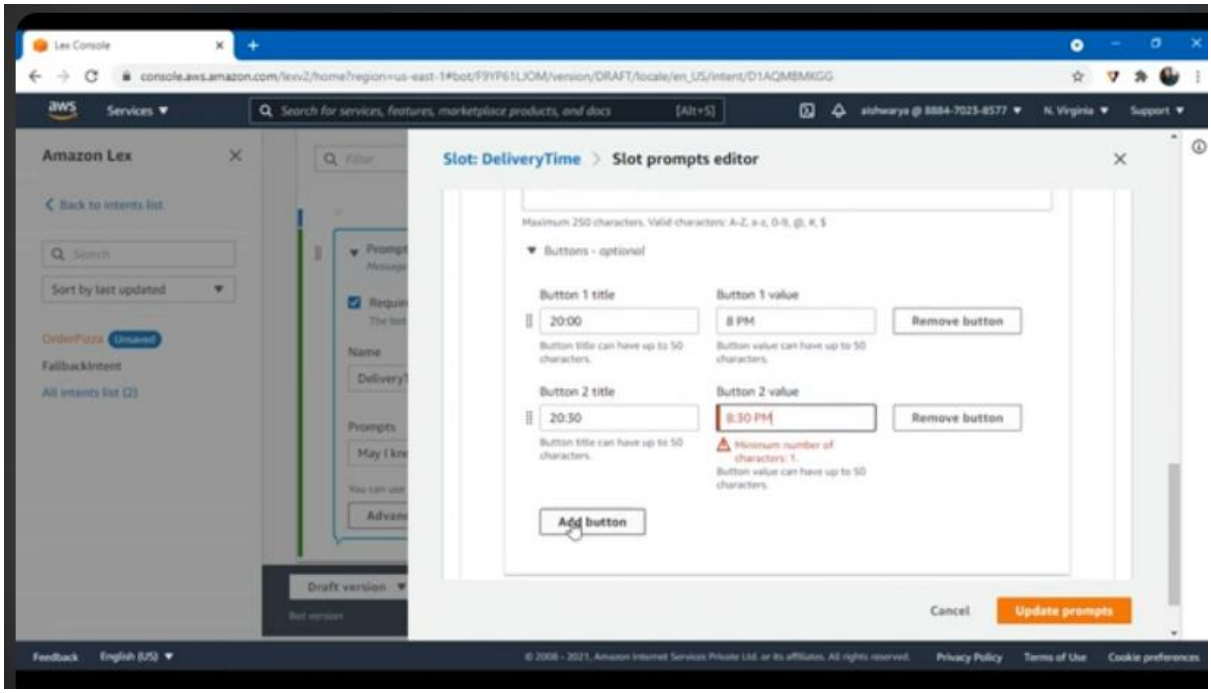
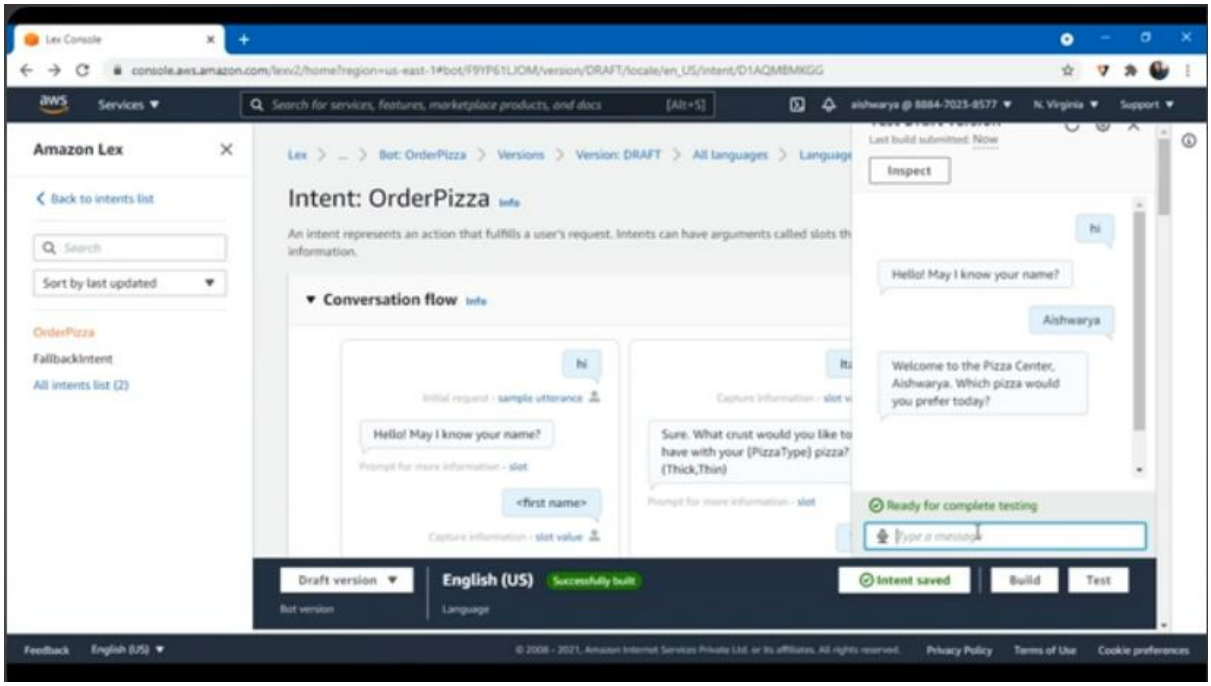
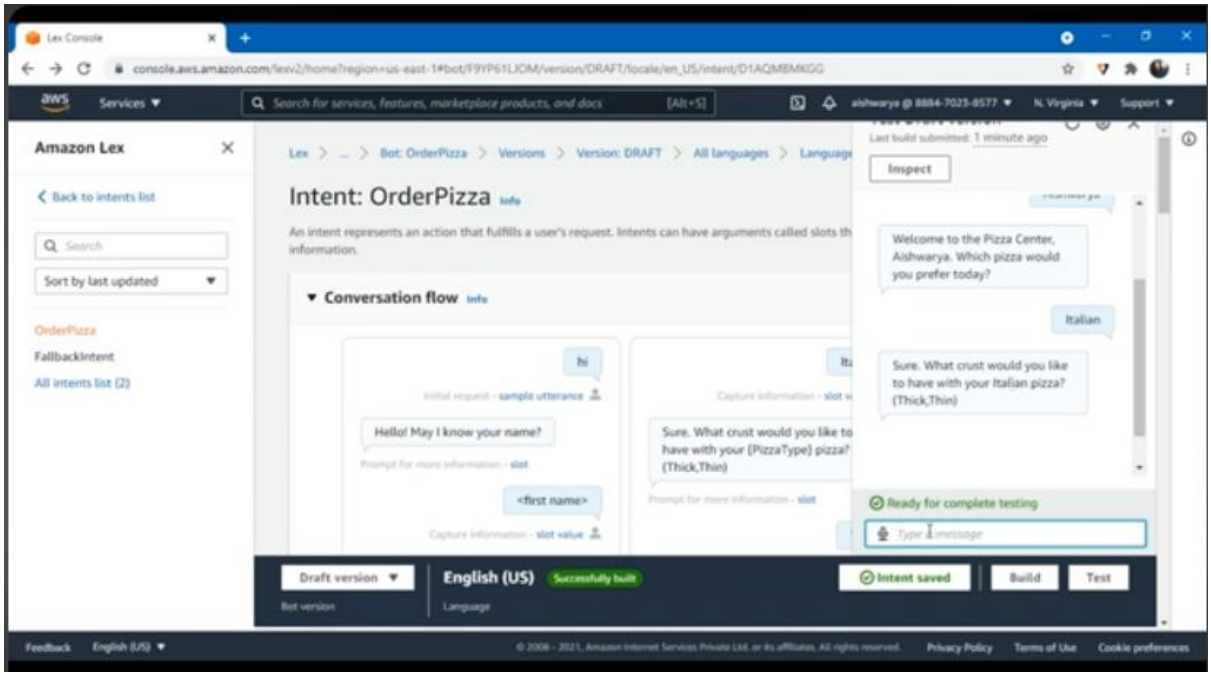
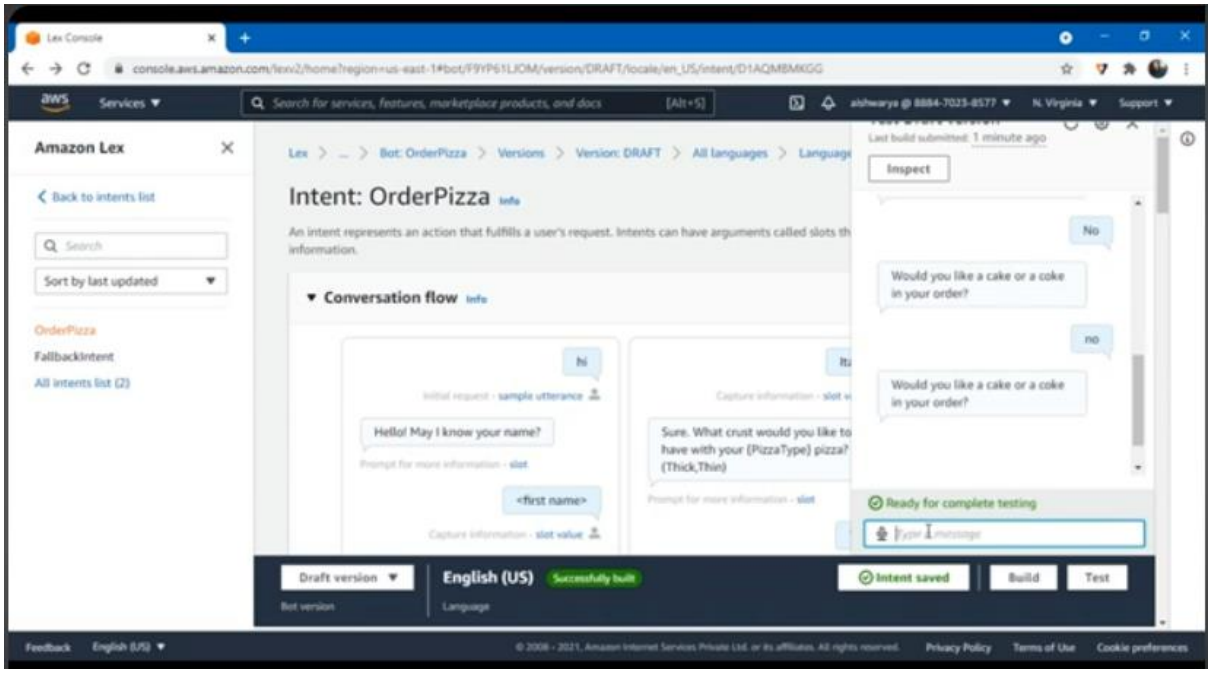

Lex Console
Amazon Lex
Slot: DeliveryTime > Slot prompts editor
Slot prompts
Add
Preview
May I know your preferred time for delivery, {Name}?
Users can interrupt the prompt when it is being read
Maximum number of retries
4
Cancel
Update prompts


Lex Console
Amazon Lex
Slot: DeliveryTime > Slot prompts editor
Card 1
Each card can have up to six optional buttons.
Image URL
Title
Subtitle
Buttons - optional
Cancel
Update prompts


Lex Console
Amazon Lex
Slot: DeliveryTime
Slot prompts editor
Button 1 title
20:00
Button 1 value
8 PM
Remove button
Button 2 title
20:30
Button 2 value
8:30 PM
Remove button
Add button
Cancel
Update prompts
Draft version


Lex Console
Amazon Lex
Intent: OrderPizza
Conversation flow
Hello! May I know your name?
<first name>
Welcome to the Pizza Center, Aishwarya. Which pizza would you prefer today?
Ready for complete testing
Draft version
English (US)
Intent saved
Build
Test


Amazon Lex
Back to intents list
Search
Sort by last updated
OrderPizza
FallbackIntent
All intents list (2)
Intent: OrderPizza
Conversation flow
hi
Hello! May I know your name?
<first name>
Welcome to the Pizza Center, Aishwarya. Which pizza would you prefer today?
Italian
Sure. What crust would you like to have with your Italian pizza? (Thick,Thin)
Ready for complete testing
Draft version
English (US)
Successfully built
Intent saved
Build
Test


Amazon Lex
Back to intents list
Search
Sort by last updated
OrderPizza
FallbackIntent
All intents list (2)
Intent: OrderPizza
Conversation flow
hi
Hello! May I know your name?
<first name>
No
Would you like a cake or a coke in your order?
no
Would you like a cake or a coke in your order?
Ready for complete testing
Draft version
English (US)
Successfully built
Intent saved
Build
Test