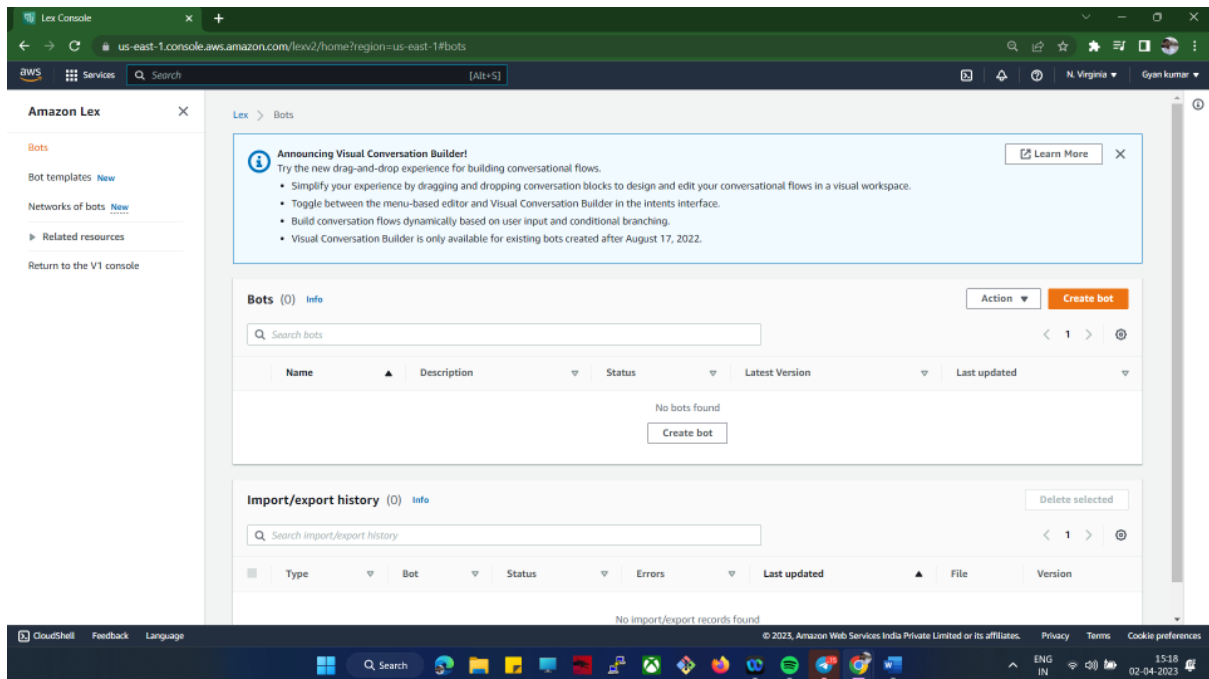
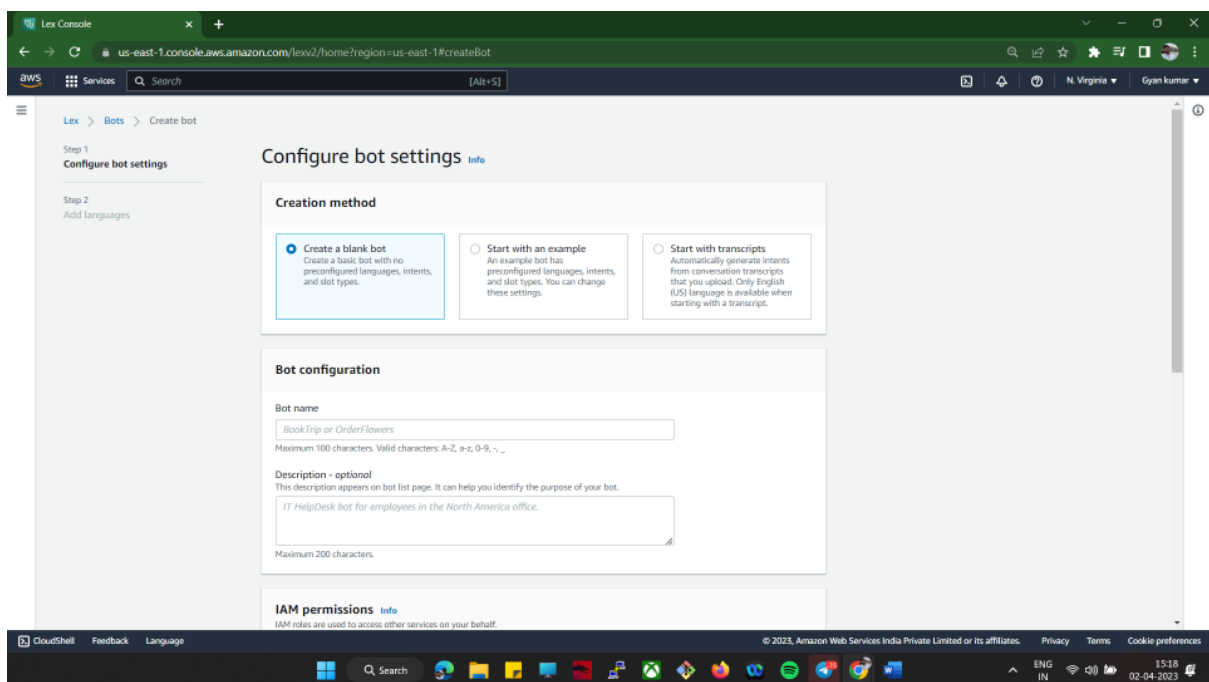


# Create a Bot in Amazon Lex and Link It With WhatsApp



Create a bot in amazon lex :-



Choose blank Bot :-

Give a name to the bot :- Hotel Booking Bot (IN MY CASE)

Lex Console

us-east-1.console.aws.amazon.com/lexv2/home?region=us-east-1#createBot

Bot configuration

Bot name  
HotelBookingBot  
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.  
Maximum 200 characters.

IAM permissions [info](#)  
IAM roles are used to access other services on your behalf.

Runtime role  
Choose a role that defines permissions for your bot. To create a custom role, use the IAM console.  
☒ Create a role with basic Amazon Lex permissions.  
☐ Use an existing role.

Creating a role takes a few minutes. Don't delete the role or edit the trust or permissions policies in this role until we've finished creating it.

New role  
Amazon Lex creates a runtime role with permission to upload to Amazon CloudWatch Logs.

CloudShell Feedback Language

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ENG IN 15:20 02-04-2023

Lex Console

us-east-1.console.aws.amazon.com/lexv2/home?region=us-east-1#createBot

use an existing role

Creating a role takes a few minutes. Don't delete the role or edit the trust or permissions policies in this role until we've finished creating it.

New role  
Amazon Lex creates a runtime role with permission to upload to Amazon CloudWatch Logs.  
AWSServiceRoleForLexV2Bots\_R9L8WF57FB

Children's Online Privacy Protection Act (COPPA) [info](#)  
Is use of your bot subject to the Children's Online Privacy Protection Act (COPPA) [\[?\]](#)  
☐ Yes  
☒ No

Idle session timeout  
You can configure how long a session is maintained when the user does not provide any input and the session is idle. Amazon Lex retains context information until a session ends.

Session timeout  
5 minute(s)  
By default, session duration is 5 minutes, but you can specify any duration between 1 and 1440 minutes (24 hours).

Advanced settings - optional [info](#)

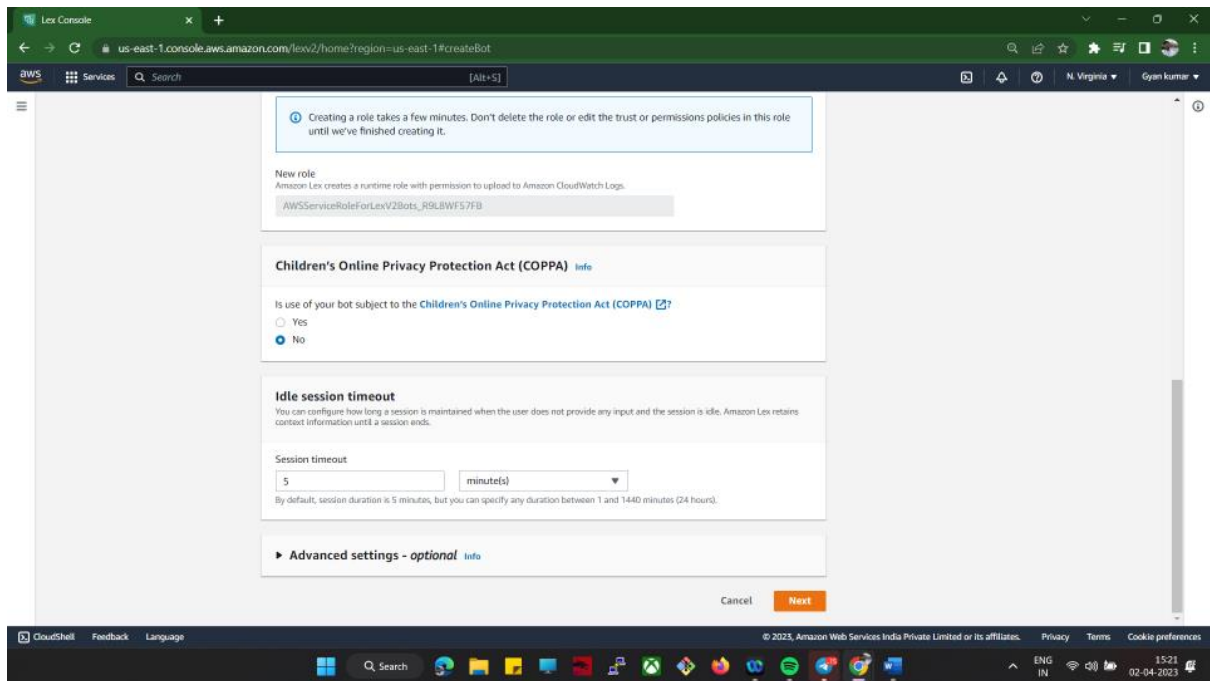
Cancel Next

CloudShell Feedback Language

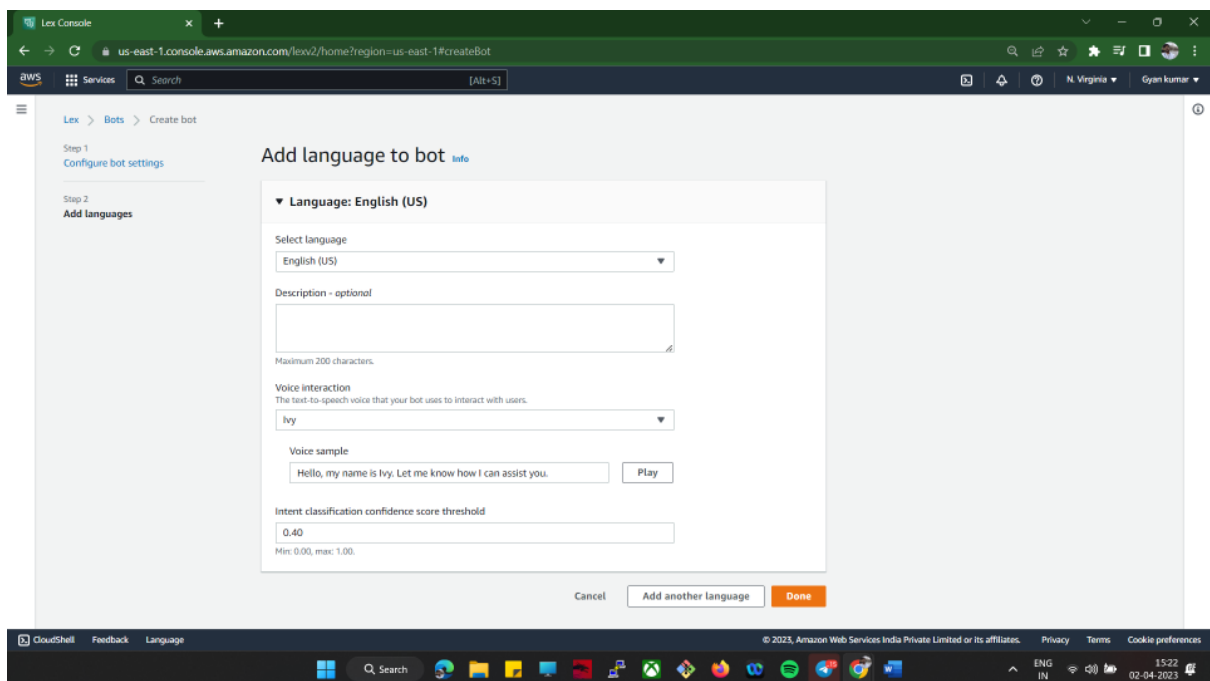
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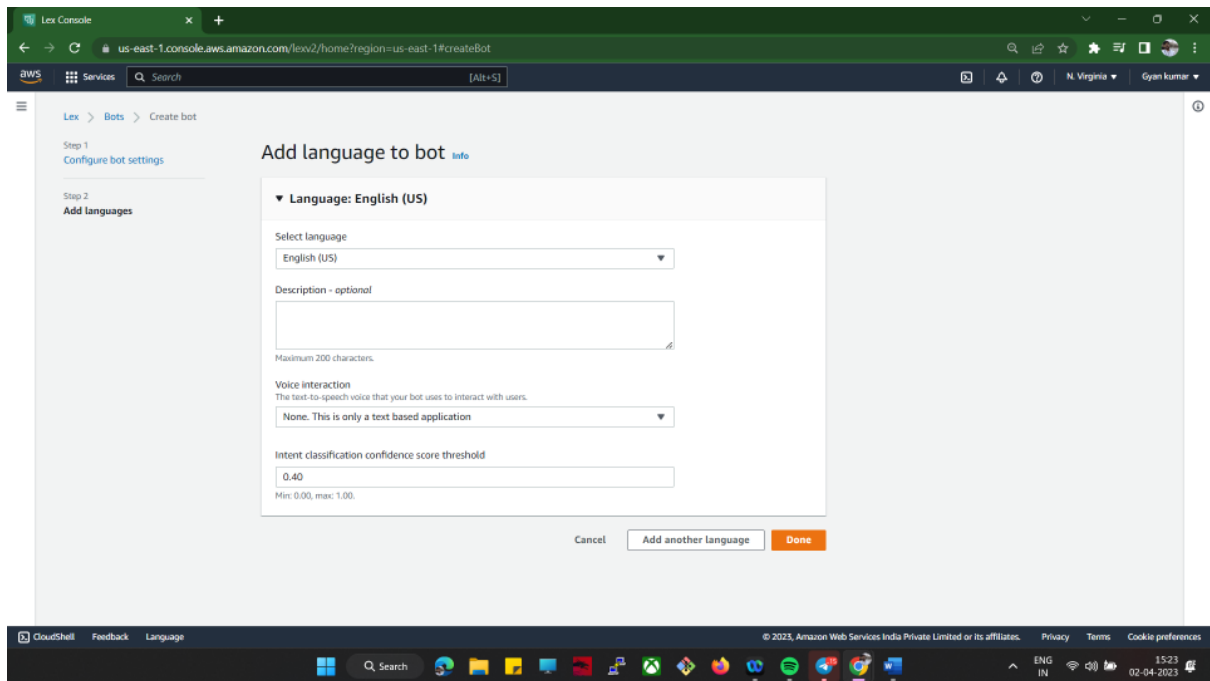
ENG IN 15:21 02-04-2023

Session timeout :-

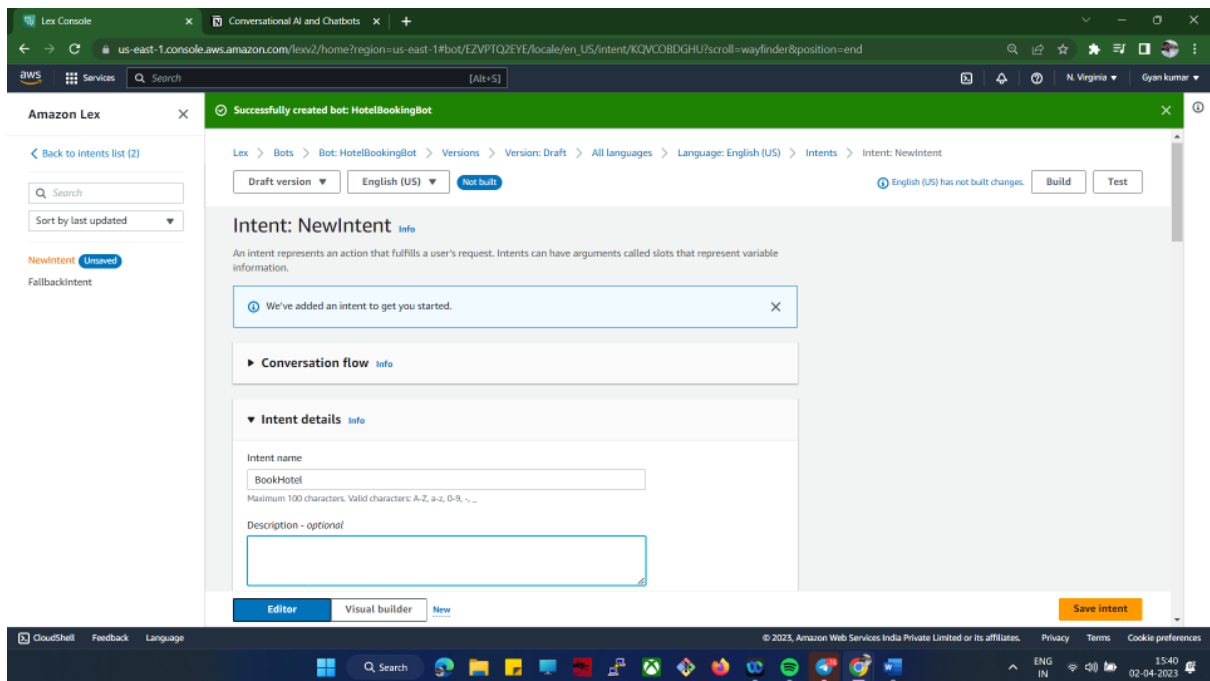


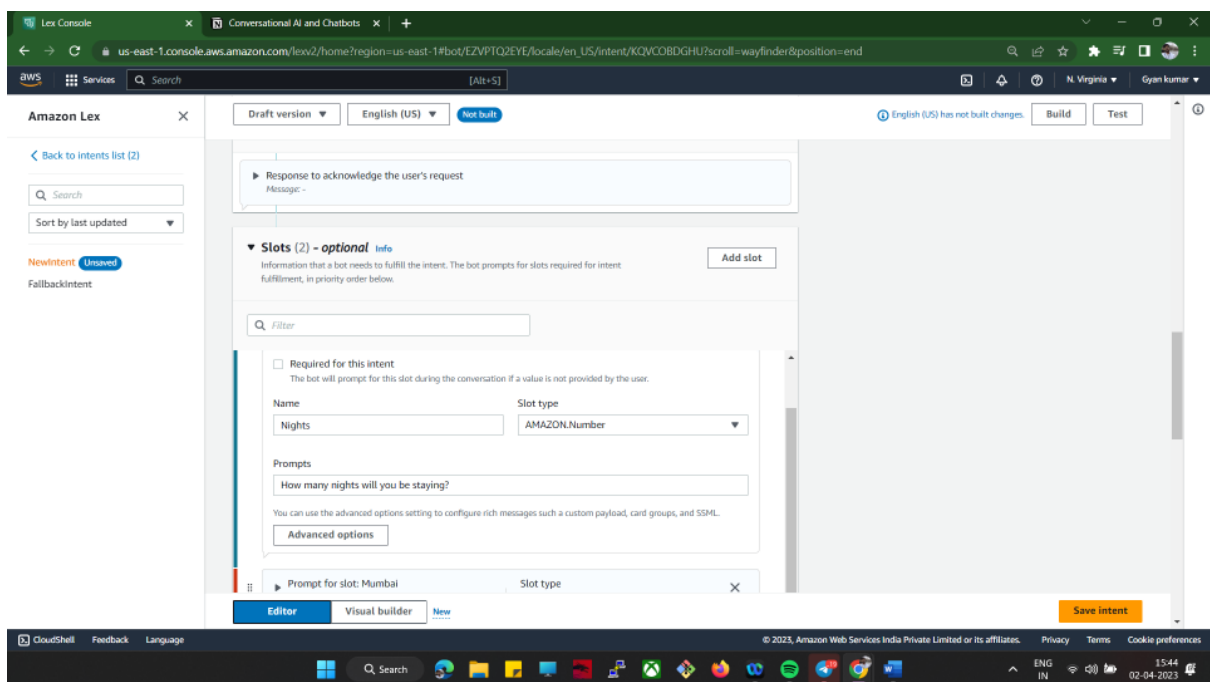
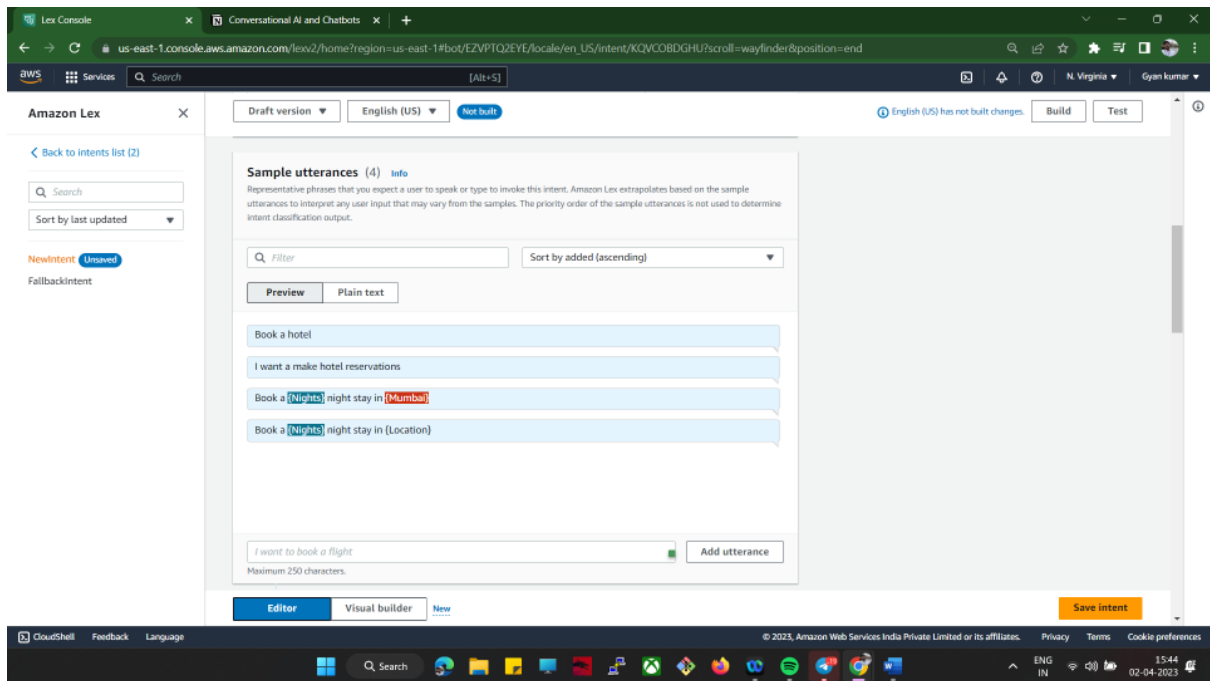
Choose language :-

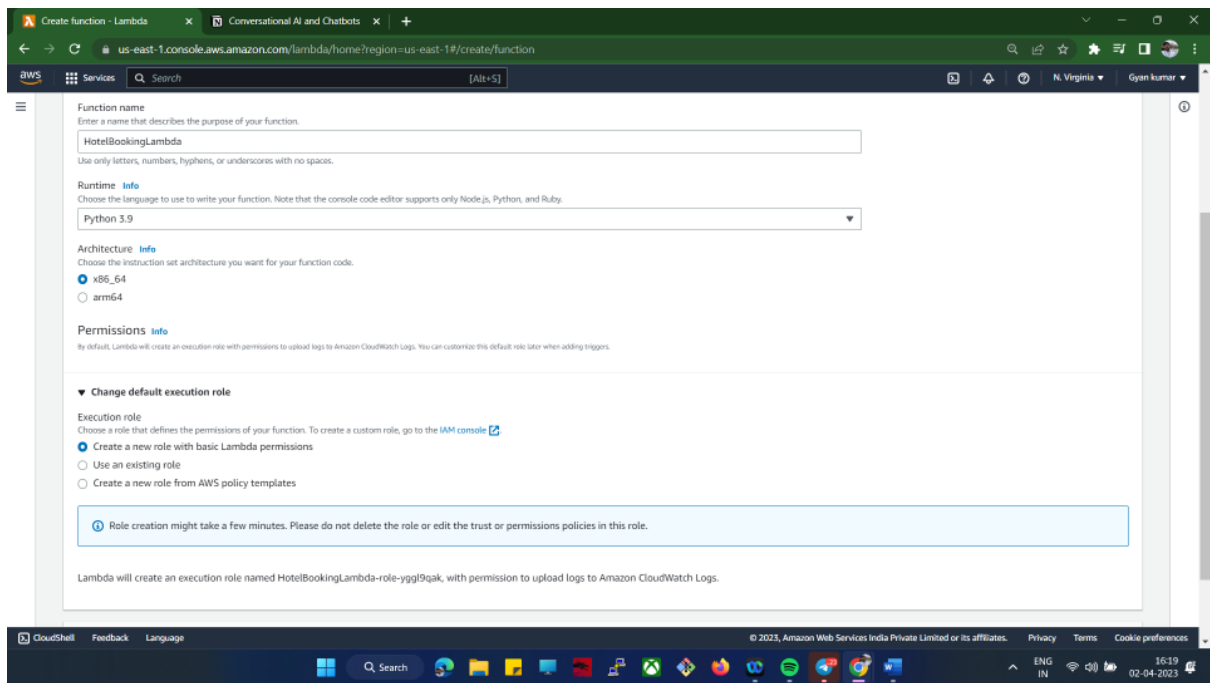
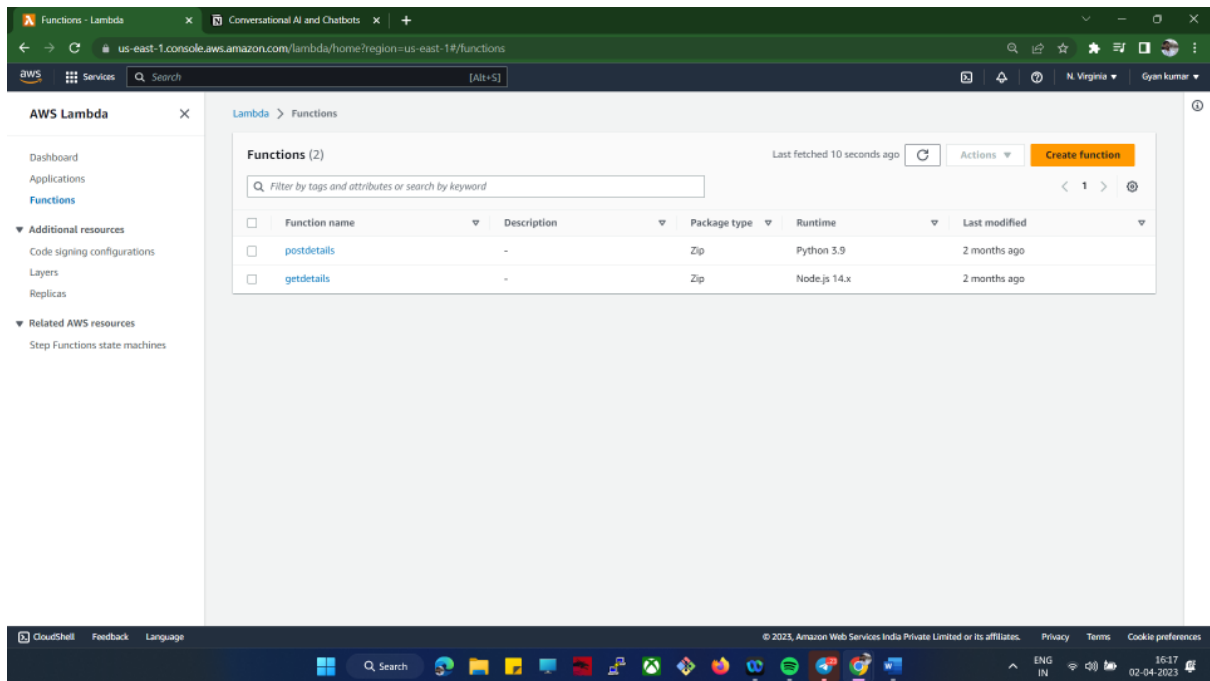


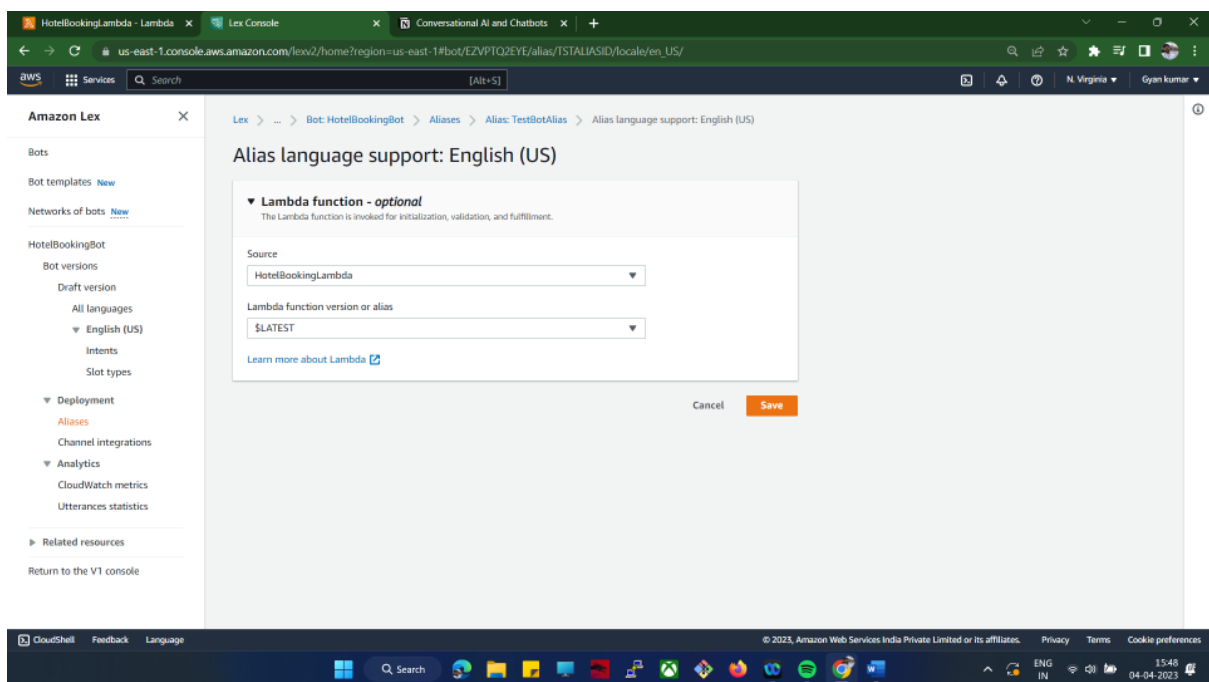
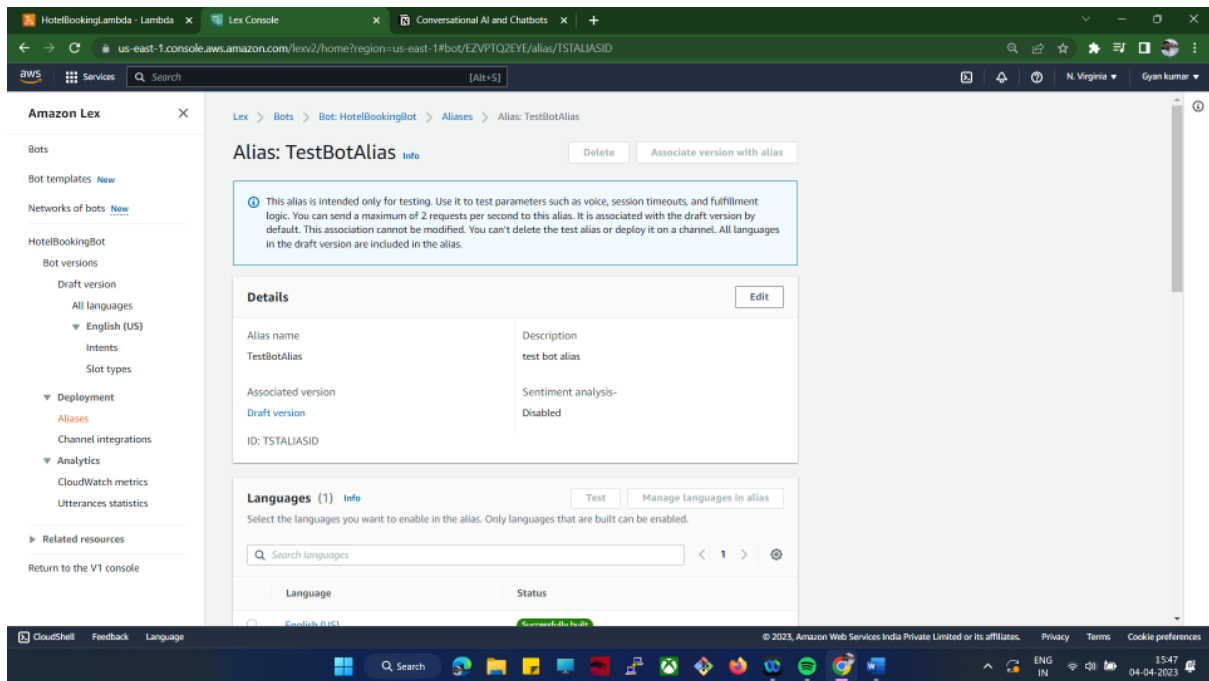


Create Intent Now :-









Add code to the lambda function :-

```
import json
```

```
import datetime
```

```
import time
```

```
def validate(slots):
```

```
    valid_cities = ['mumbai','delhi','banglore','hyderabad']
```

```
if not slots['Location']:
```

```
    print("Inside Empty Location")
```

```
    return {
```

```
        'isValid': False,
```

```
        'violatedSlot': 'Location'
```

```
    }
```

```
if slots['Location']['value']['originalValue'].lower() not in valid_cities:
```

```
    print("Not Valide location")
```

```
    return {
```

```
        'isValid': False,
```

```
        'violatedSlot': 'Location',
```

```
        'message': 'We currently support only {} as a valid destination.'.format(", ".join(valid_cities))
```

```
    }
```

```
if not slots['CheckInDate']:
```

```
    return {
```

```
        'isValid': False,
```

```
        'violatedSlot': 'CheckInDate',
```

```
    }
```

```
if not slots['Nights']:
```

```
    return {
```

```
        'isValid': False,
```

```
        'violatedSlot': 'Nights'
```

```
    }
```



```
if not slots['RoomType']:
    return {
        'isValid': False,
        'violatedSlot': 'RoomType'
    }
```

```
return {'isValid': True}
```

```
def lambda_handler(event, context):
```

```
    # print(event)
```

```
    slots = event['sessionState']['intent']['slots']
```

```
    intent = event['sessionState']['intent']['name']
```

```
    print(event['invocationSource'])
```

```
    print(slots)
```

```
    print(intent)
```

```
    validation_result = validate(event['sessionState']['intent']['slots'])
```

```
    if event['invocationSource'] == 'DialogCodeHook':
```

```
        if not validation_result['isValid']:
```

```
            if 'message' in validation_result:
```

```
                response = {
```

```
                    "sessionState": {
```

```
                        "dialogAction": {
```

```
                            'slotToElicit': validation_result['violatedSlot'],
```

```
                            "type": "ElicitSlot"
```

```
                        },
```

```
                    "intent": {
```

```
                        'name': intent,
```

```

        'slots': slots

    }

},
"messages": [
    {
        "contentType": "PlainText",
        "content": validation_result['message']
    }
]
}
else:
    response = {
        "sessionState": {
            "dialogAction": {
                'slotToElicit':validation_result['violatedSlot'],
                "type": "ElicitSlot"
            },
            "intent": {
                'name':intent,
                'slots': slots

            }
        }
    }
}

```

return response

```

else:
    response = {
        "sessionState": {

```

```
        "dialogAction": {
            "type": "Delegate"
        },
        "intent": {
            'name': intent,
            'slots': slots

        }

    }

}

}

return response
```

```
if event['invocationSource'] == 'FulfillmentCodeHook':
```

```
    # Add order in Database
```

```
    response = {
        "sessionState": {
            "dialogAction": {
                "type": "Close"
            },
            "intent": {
                'name': intent,
                'slots': slots,
                'state': 'Fulfilled'

            }

        },
        "messages": [
```

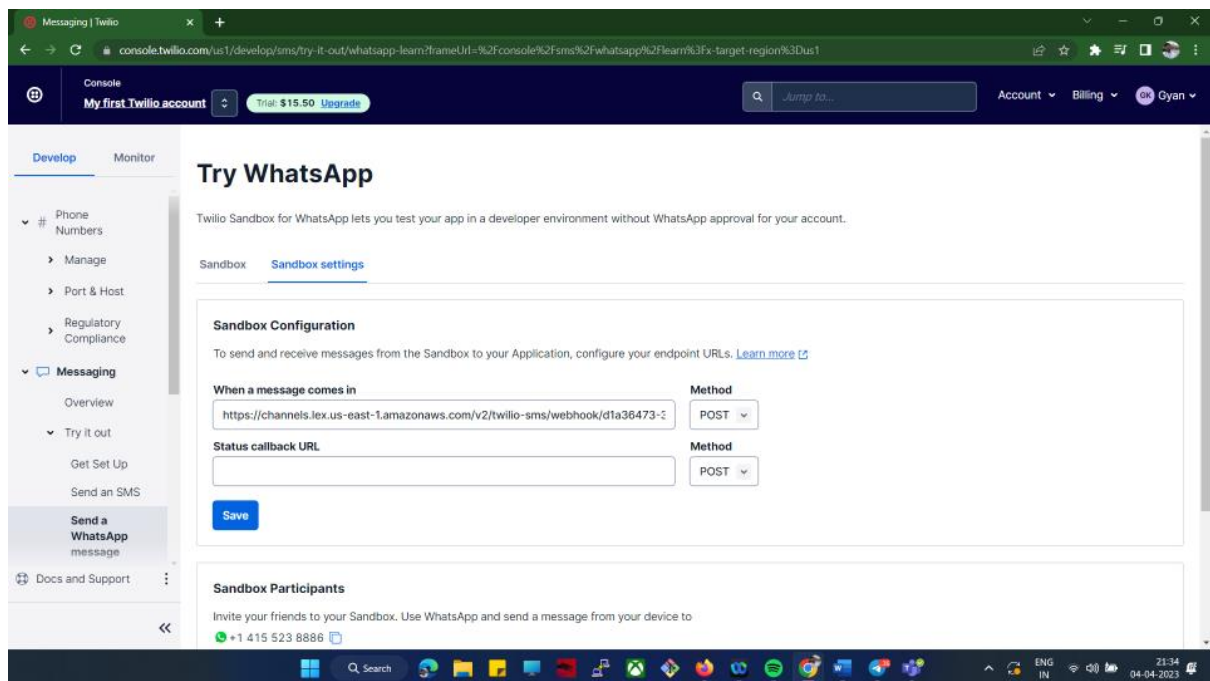
```

{
  "contentType": "PlainText",
  "content": "Thanks, I have placed your reservation"
}
]
}

```

return response

Now make a tullio account and get a number :-



Copy the callback url :\_

And paste that into when a message comes in :-

9:35

4G

< 45



+1 (415) 523-8886

tap here to add to contacts

Book hotel

6:05 PM ✓✓

What city will you be staying in?

6:05 PM

Delhi

6:05 PM ✓✓

What day do you want to check in?

6:05 PM

4-3-2022

6:06 PM ✓✓

How many nights will you be staying?

6:06 PM

5

6:06 PM ✓✓

What type of room would you like, queen, king, or deluxe?

6:06 PM

Queen

6:06 PM ✓✓

Okay, I have you down for a 5 night stay in Delhi starting 2022-04-03. Shall I book the reservation?

6:06 PM

Yes

6:06 PM



Thanks. I have placed your



