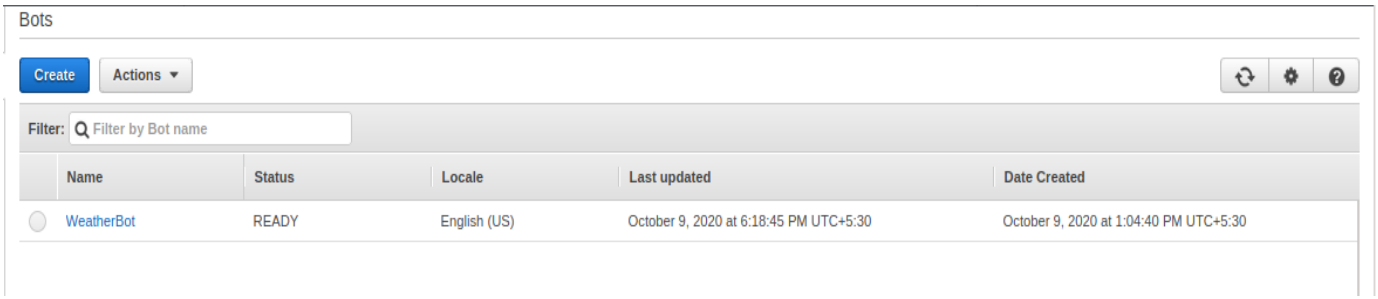
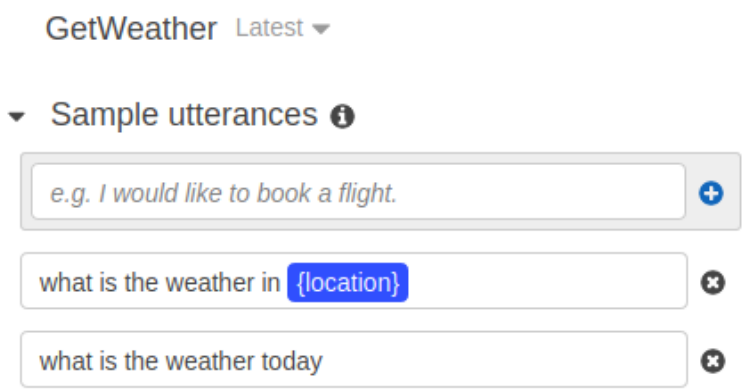
Task:

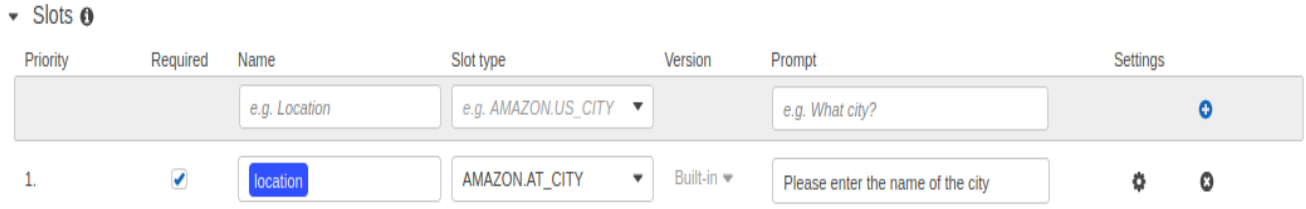
Create a Weather Bot where user can get whether update info by sending city name to Chat Bot (You may use API calls like open weather API)

We create a bot named “WeatherBot” and add two utterances

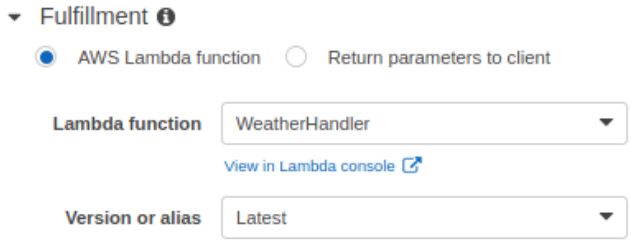




The “location” is in blue color because it is a slot which we will create as shown below:

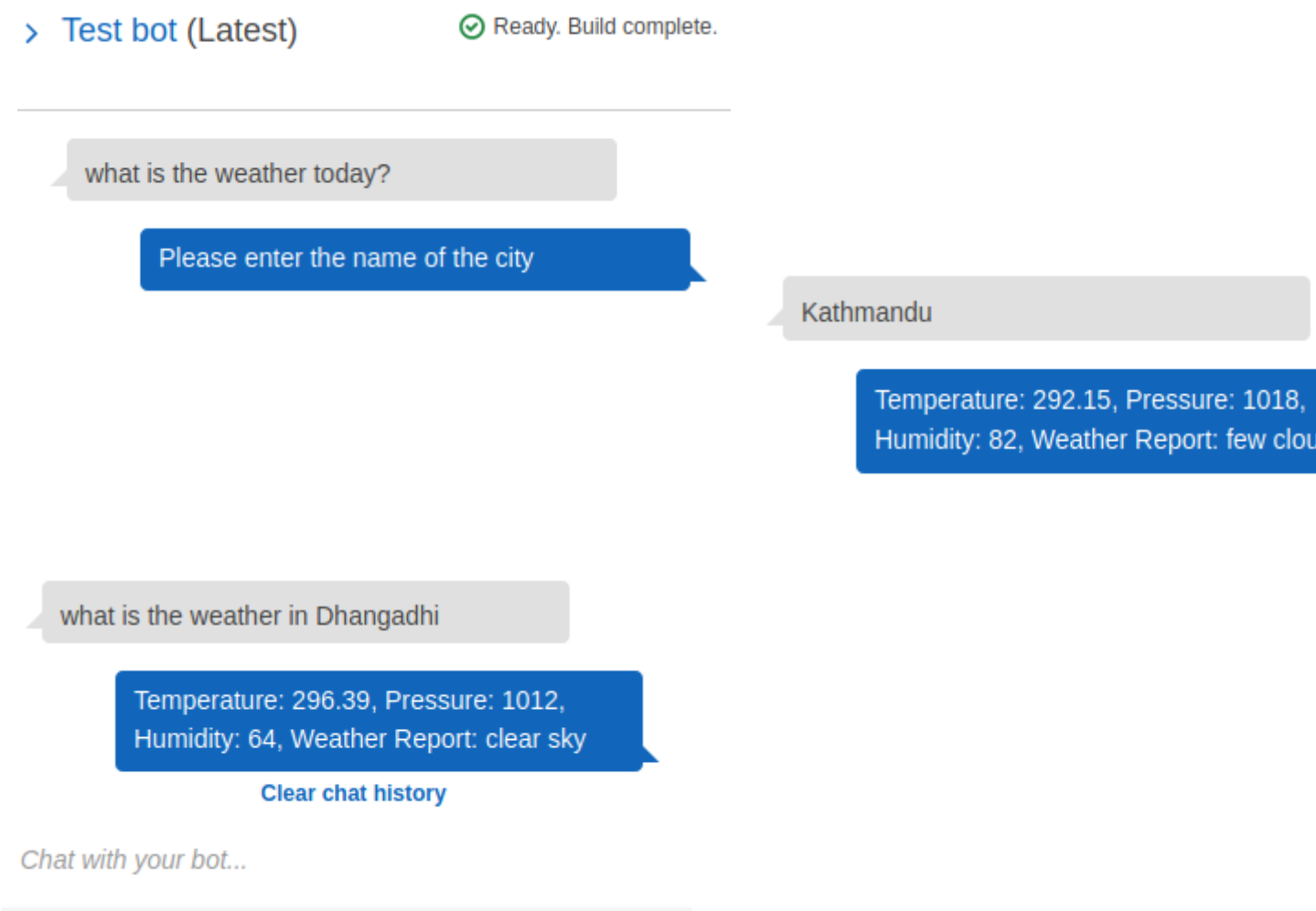


Now, choosing the lambda funcation. Here we are choosing “WeatherHandler” as lambda function.



After this, we save the intent and build the bot.

Test Bot:



Code:

lambda_function.py

```
import json
import urllib3
import logging


logger = logging.getLogger()
logger.setLevel(logging.DEBUG)


def lambda_handler(event, context):

    logger.debug(event)

    CITY = event['currentIntent']['slots']['location']
    API_KEY = "56223e9f24789c3edf97b1cccd0c0a0f"

    # base URL
    BASE_URL = "https://api.openweathermap.org/data/2.5/weather?"


    # upadting the URL
    URL = BASE_URL + "q=" + CITY + "&appid=" + API_KEY

    http = urllib3.PoolManager()

    # Fetch url
    resp = http.request('GET', URL)


    # Load url response to json
    result = json.loads(resp.data.decode('utf-8'))


    # json elements
    temperature = result["main"]["temp"]
    pressure = result["main"]["pressure"]
    humidity = result["main"]["humidity"]
    weather_report = result["weather"][0]["description"]

    msg = "Temperature: {}, Pressure: {}, Humidity: {}, Weather Report:
{}".format(temperature, pressure, humidity, weather_report)
```

```
return {
    "sessionAttributes": event["sessionAttributes"],
    "dialogAction": {
        "type": "Close",
        "fulfillmentState": "Fulfilled",
        "message": {
            "contentType": "PlainText",
            "content" : msg
        }
    }
}
```