

# Evaluation Test 1 - Weather Info & Forecast Bot using Google Dialogflow ES

## Use Case

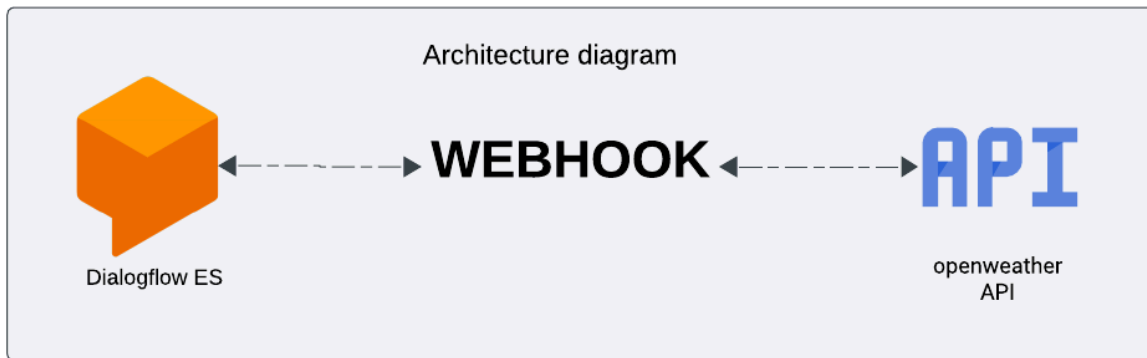
You are required to build a chatbot using Google Dialogflow ES that can provide current and forecasted global weather information to its users.

- The bot will be able to provide current weather information for a specific city.
- The bot will be able to provide forecasted weather information for up to the next 8 days from the current date for a specific city.

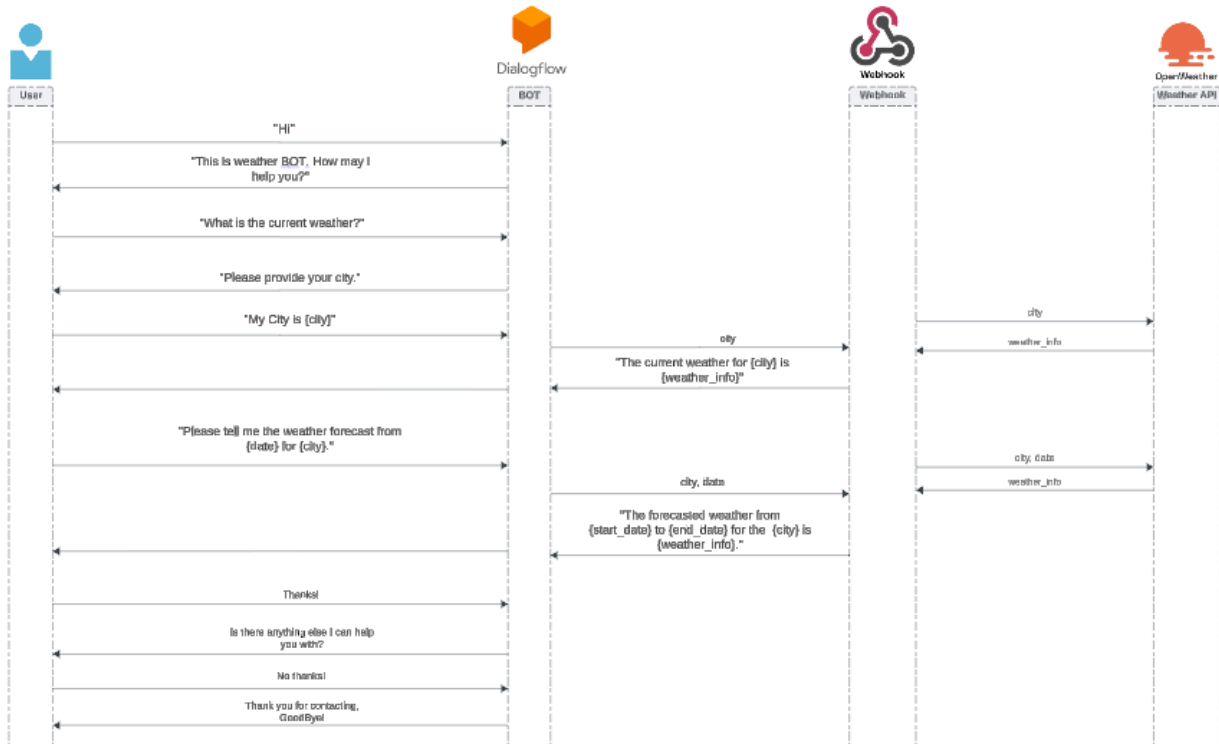
## Objectives

1. Setup and configure [Dialogflow ES](#):
  - a. Build the conversational flow as shown in the sequence diagram provided below.
  - b. Configure fulfillment webhook. (URL of your hosted code on any hosting service i.e [ngrok](#))
2. Build a REST API that can receive a webhook request from the Weather bot that you've built in Step 1. (Use backend language/framework of your choice)
  - a. Receive the WebhookRequest from the bot and fetch the location (`city`) and date that the user has provided.
    - i. Time should be fetched automatically from chat session details.
    - ii. If no date is provided, current weather information will be relevant based on the chat session date.
    - iii. From the start date calculate 8 days ahead to provide the forecasted weather.
  - b. Use [this](#) resource and its APIs to fetch the data.
  - c. Return the response back to the bot and show it in the Dialogflow Chat interface

## Architecture Diagram:



## Conversational Flow Diagram:



## Submission Criteria

1. Record a demo video for the functioning DialogFlow ES bot which will show the interaction documented in the task above.
    - a. A voiceover is required that explains the contents of the video (suggested utility is OBS Studio to record Audio & Video)
  2. Upload the code for the REST API created in step 2 in objectives on a public GitHub repository for your GitHub account.
  3. Email the zip file for the DialogFlow ES agent and the repository link to [submissions@interactcx.com](mailto:submissions@interactcx.com)
- *Test timeline is 7 days from the date of receipt acknowledgement.*
  - *You are allowed to use resources publicly available on the internet.*
  - *For any queries that you might encounter, contact us at [candidatequeries@interactcx.com](mailto:candidatequeries@interactcx.com)*