A PROJECT REPORT ON

MOVIE TICKETING BOT

USING IBM WATSON ASSISTANT

FOR THE CHALLENGE TITLED:-PROJECT BUILD-A-THON

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IN PARTIAL FULFILMENT OF UNDER GRADUATE PROGRAM IN CAREER DEVELOPMENT

ST PIOUS X DEGREE & PG COLLEGE FOR WOMEN
HYDERABAD

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Main section is continued in the next page.....

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Summary:

- 1. INTRODUCTION TO CHATBOT
- 2. NATURAL LANGUAGE PROCESSING
- 3. CREATING A BOT FOR BOOKING MOVIE TICKETS

THE FORMAT OF THE PROJECT IS AS FOLLOWS:-

- SERVICES USED FOR BUILDING THE BOT
- SKILL REQUIRED
- AIM AND OBJECTIVE
- DESCRIPTION
- METHODS IMPLEMENTED AND THE PREVIEW IF THE BOT WITH SNAPSHOTS
- 4. SCOPE
- **5.CONCLUSIONS**

INTRODUCTION TO CHATBOT:

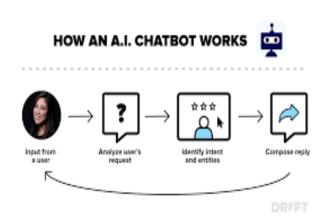
CHATBOT, a computer program tha stimulates human conversation, or chat through artificial intelligence. Typically a chatbot will communicate with a real person.

WHAT IS A CHATBOT?

- Virtual Assistant
- Virtual agent
- Service Assistant
- Virtual Customer service Agent and much more....







WHY CHATBOT?

- Bots are lot easier to install than mobile apps.
- Bots are easily distributed.
- Moving complexity to the cloud reduces a user's cognitive load

NATURAL LANGUAGE PROCESSING:

• Natural Language Processing(NLP) is the ability of a computer program to understand human speech as it is spoken.NLP is a component of aritificial intelligence.

- It makes computer to perform useful tasks with natural languages human use.
- Current approaches to NLP are based on machine learning
- The input and output of an NLP system can be--
- 1. Speech
- Written Text.

CREATING BOT FOR BOOKING MOVIE TICKETS USING IBM WATSON ASSISTANT:-

PROJECT KIND: An IBM Cloud Application.

Services used:-

- IBM WATSON ASSISTANT
- NODE-RED

Aim and Objective:-

In this project we will build a,we will build a chatbot using WATSON ASSISTANT to book movie tickets at ease.

- The main purpose of our ticketing bot is to provide another way for the customer to buy cinema ticket. It is an automatic system.
- The bot will be able to do the tasks that are mentioned in the description part.

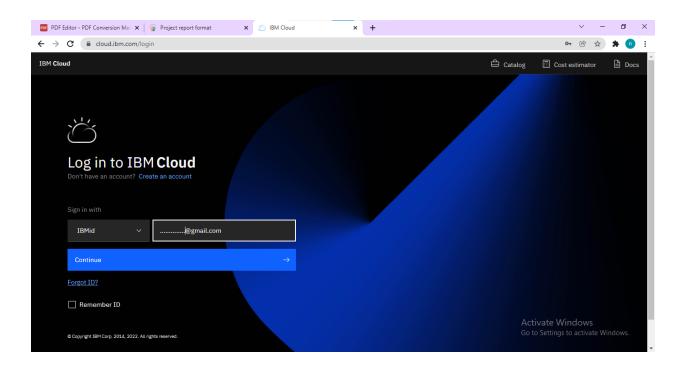
Description of the project:-

- 1. Provides a list of movies available in the theatres mentioned that are available for booking.
- 2. On selecting the movie from the list, the bot will be able to shows the name of the theatres, dates and days, different timings available for booking.
- 3. The bot will be able to show the availability of seats for booking.

- 4. It shows the types of tickets available and their respective prices and inclusives associated.
- 5. The bot will cross check the booking of the tickets by verifying their mobile number that is used during the booking process.
- 6. On successful verification, the amount will be deducted from their bank account linked to the mobile number provided. Hence booking is considered as completed.
- 7. The link to download the tickets is sent to the customer's messages inbox(not to email id).
- 8. The customer can take a printout of the tickets if required.

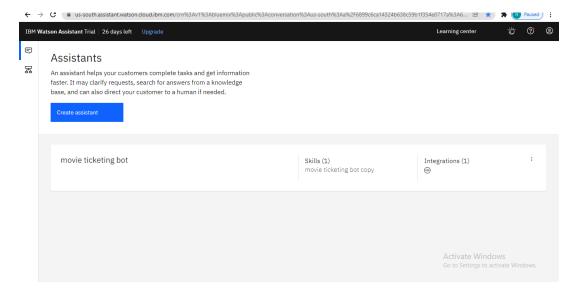
Methods implemented with snapshots:-

step 1: login to your ibm cloud account



step 2:once you get logged in, search for watson assistant.click on launch watson

assistant.after the launch, click on to create assistant.

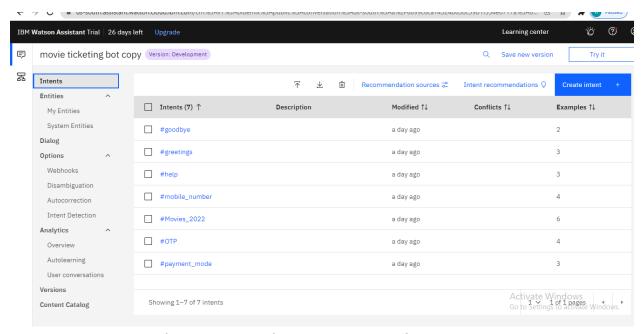


step 3:Now you will be getting started with building your own chatbot using three paramters.

- intents: Intentions of users. Questions from the customers or their needs.
- Entities: values that should be detected from the intent.
- Dialog: Responses from the chatbot to the user.

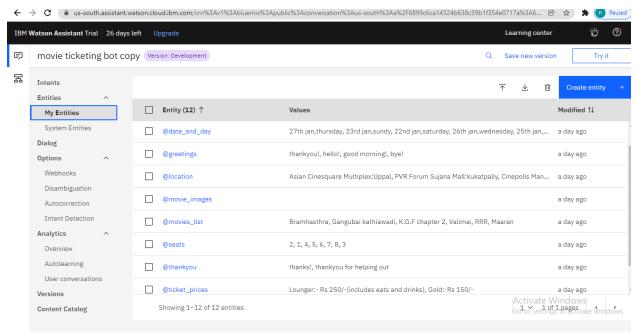
INTENTS USED IN THIS PROJECT:

The snapshots are displayed in the next page.



NOTE: There are a list of user examples for each intent specified. example:-intent named #movies_2022 contains list of movies that are available for booking.

ENTITIES USED:-

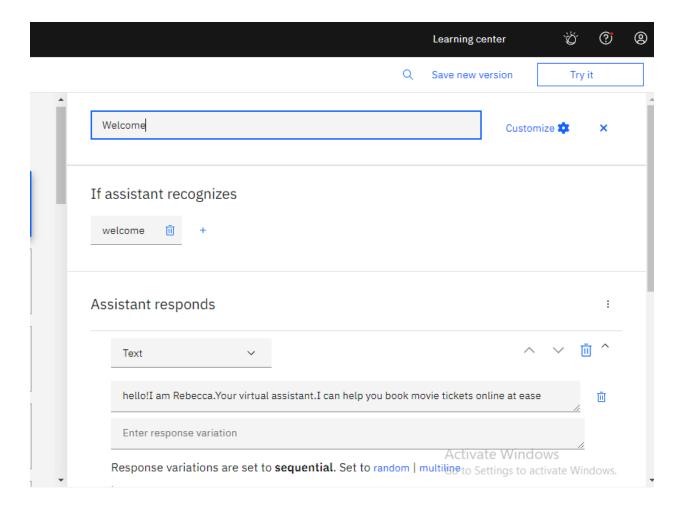


NOTE: There are various values that are embedded in each entity with respect to the type under which a value falls

example:- under entity titled @greetings we can embedd the following:-

- hello!
- GOOD MORNING!
- HEY THERE! and many more...

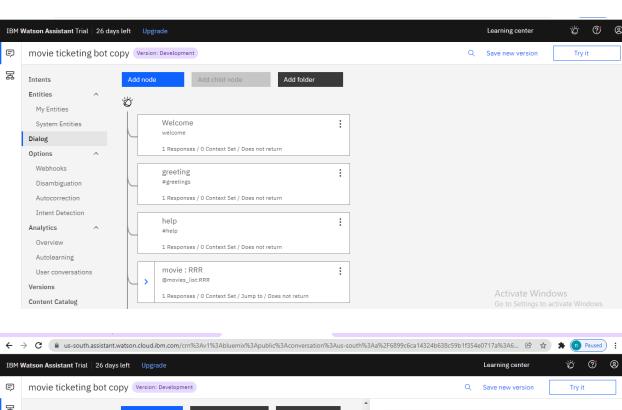
DIALOGE NODES:

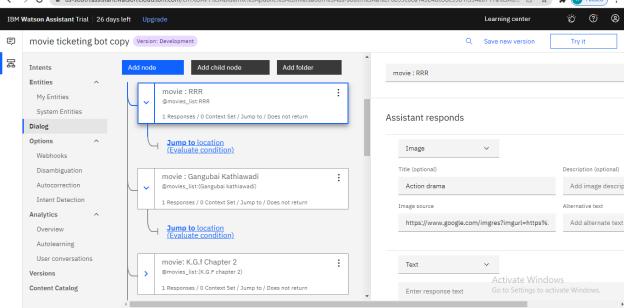


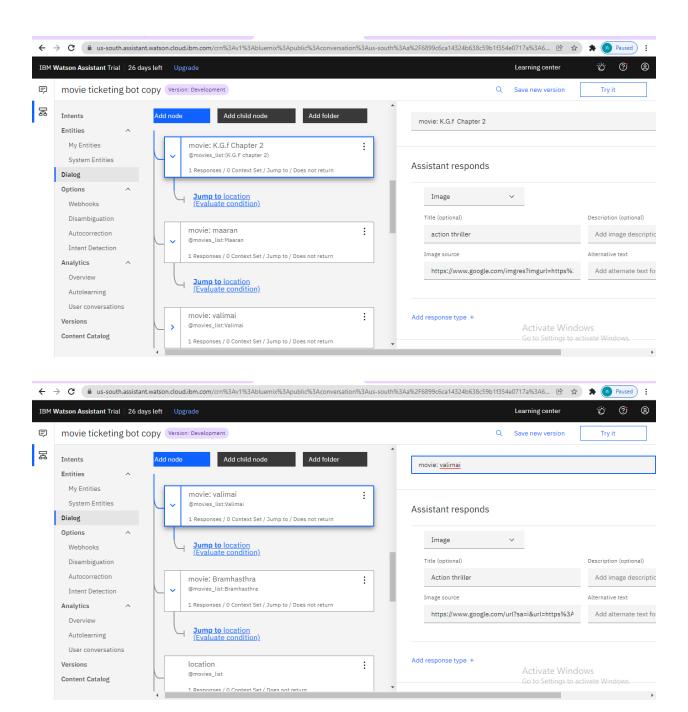
NOTE:- Each dialog node contains the texts that are shown as the responses from the chatbot to the user depending on the type of intent provided by the user.

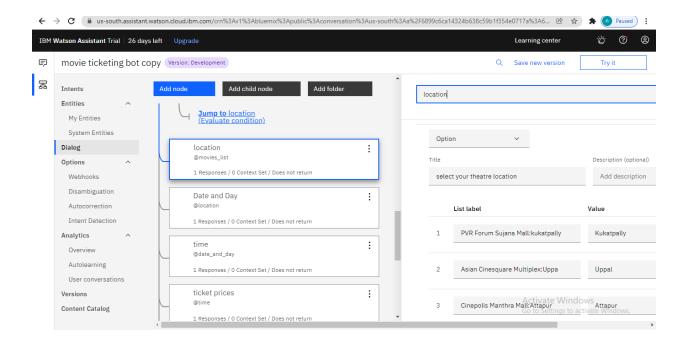
FLOW OFCONTROL:

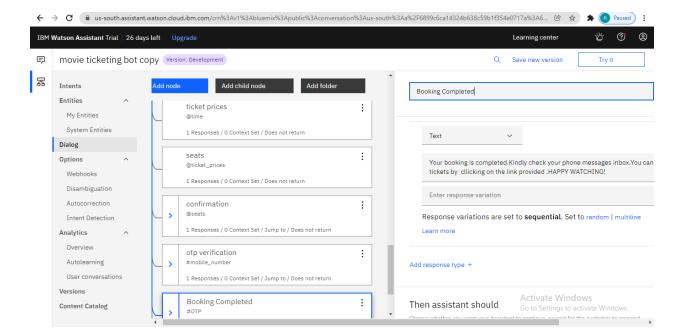
The snapshots are displayed in the next page.









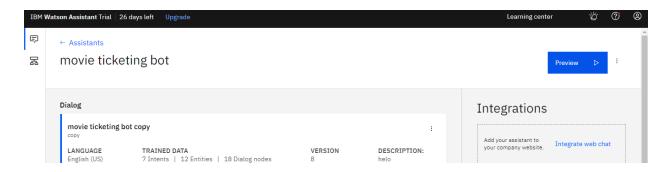


Thus is the flow of control for this project, from the starting node named WELCOME to the ending node named BOOKING COMPLETED.

NOTE:-There are jump condtions applied that refers to jumping from one node to another for the flow of execution of the program.

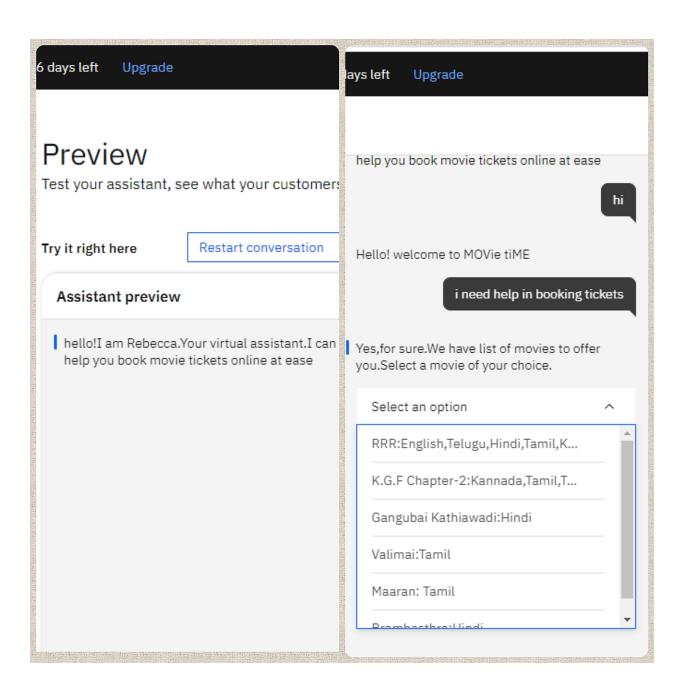
step 4.Once you are done with the implementation part,make sure you assign the updated version to your assistant by clicking on to the assign option of the version to be assigned.

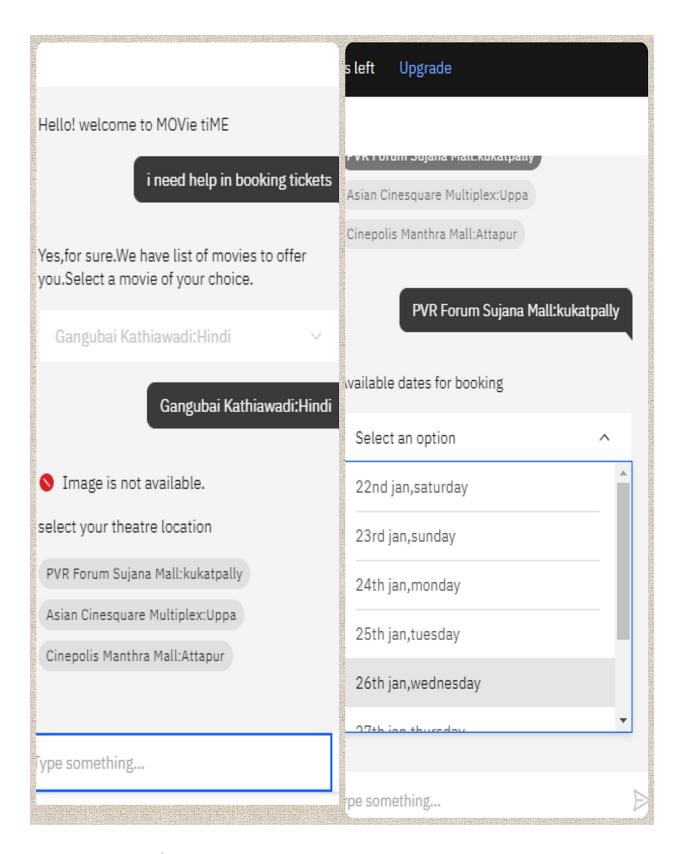
Now your chatbot is ready to be deployed. Click on to te preview button on the top right corner to see the demo.



THE RESULTS OF THE CHABOT:-

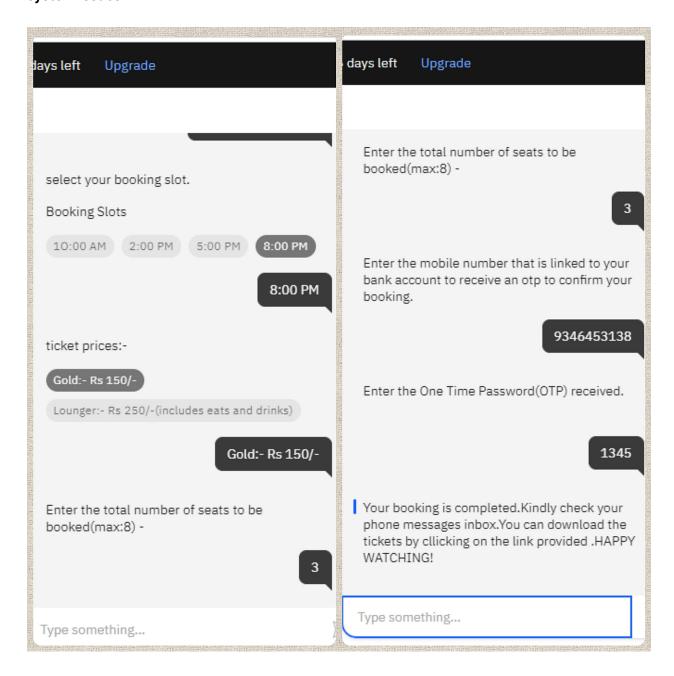
The snapshots are displayed in the below pages.





NOTE:-The image of the movie selected is not available to display due to some operating

system issues.



Thus, building a chatbot for booking tickets is completed.

scope:-

 It will provide anytime anyplace service for the customer.(already in the progessing state)

- It can be used to purchase eatables and drinks comfortably.
- Home delivery of tickets maybe provided.
- It will increase the profit rate.

conclusions:-

- The project of movie ticketing bot is flexible enough to meet the requirements of the customers from distant places.
- The use of chatbots are increasing everyday and it will only go up in the coming days becuase of the various benefits it can provide.