Movie Ticket Bot

Introduction :

Present online business is growing faster due to covid 19. The movie is a cinema film. Daily in our world many of films are releasing, different region people like their region movies. The movie is a stress relief for humans. It will remove the pressure of one week of work in one day on theatre. In the olden days for the ticket, we go to the cinema hall and by standing in a line and we took a ticket to watch a movie. It is a time taking process by standing and waiting in line sometimes it creates a full board. Theatres to attract the customer they give offers and discounts for people, making hall into a multiplex, etc to improve the business by attracting customers. Nowadays technology is growing faster, in that ai place a major role, by ai mechanic we can train the mechanics and implementing many things.in these, we learn about IBM Watson's assistant.

Purpose:

A chat boat is an artificial bot, it performs chat service with humans by rules using artificial intelligence.

1. ➤ It is helpful to the enquiry center of the company.
2. ➤ It reduces the employees of call center
3. ➤ it reduces interruption of human need.
4. ➤ With the chatbot, we can save money and time.
5. ➤ it has created easy to use by the user
6. ➤ it provides direct chit chat with a human

ex: amazon virtual assistant, hp assistant etc

Literature survey

Existing problem:

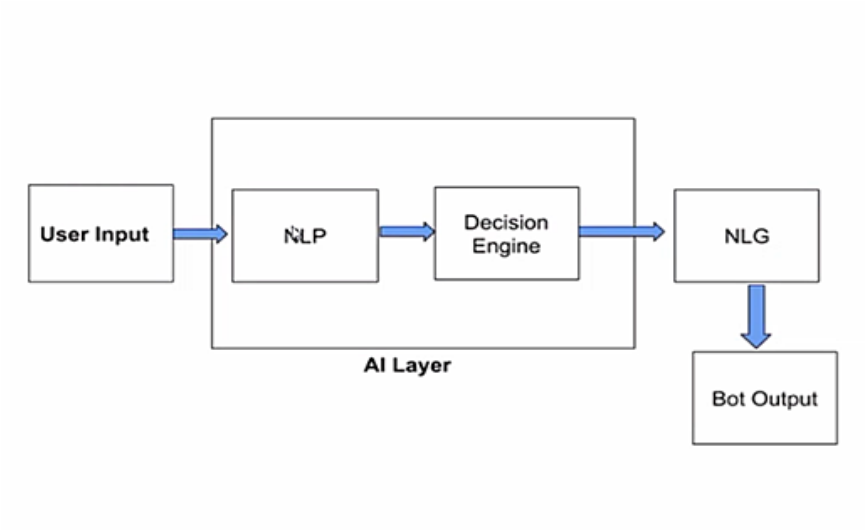
1)The traditional way of booking the ticket for the movie is the customer need to go to the specific theatre where the desired movie was playing and need to stand in queue and buy the ticket for the movie it will become more difficult for a person to overcome this problem
2) user cannot place a ticket at any time at a particular place in offline mode
3) Normal people cannot place a ticket with their knowledge
4) in local theatres, people don't know knowledge about discounts and offers while booking a ticket
5) In festivals, workers want to do fast work at the ticket counter to distribute tickets.
6) for ticket distribute worker we want to pay money for his job daily.

Proposed solution:

1. To avoid the queue for a ticket, I prefer the online booking
2. In bot we can book our ticket at any time at any palace we can choose the comfortable place to watch a movie
3. So, we can design our bot to work with simple words to understand by the user

4. To understand discounts and offers we can book discounts and offers image by the classify which offers is best for their amount
5. Without workers, we can distribute ticket

Theoretical Analysis:
Block diagram:



software requirements of the project:

- In this movie ticket bot, I will use IBM Watson studio in that IBM Watson assistant these are the software used in the project.

Experimental investigation

1. what is Intent?

   intent is a question which was rise from user
   Example: what is your name

2. what is entity?

   Entity is a keyword for intent
   Example: name is a keyword

3. Dialog box?

   conversation using Based on intent and entity it will work

Example: what is your name, name >> x

login to IBM could:
step 1: first I login to IBM could and I open catalog choose Watson assistant
step 2: I launch Watson assistant
step 3: I choose creating skills and I creating the skills name as movie ticket bot
step 4: I choose dialog box

creating skill:
step 1: I am creating intent as #greeting in that I enter (hi, good afternoon, good morning, good evening)
step 2: I choose the dialog box and I change the name of bot on welcome node.
step 3: now I am creating new node as greeting for greeting messages
step 4: adding assistant response as movies names with giving options
step 5: when we click movie it displays one pic to that movie

city:
step 1 : creating new entity as city and adding examples as option (Ananthapur , dharmavaram. guntur , tirupathi)
step 2: when we click on city name, we want setup how many seats we want
step 3: we creating option as 1 to 8

seats:

step 1: creating new intent as seats and adding examples (1 to 8)
step 2: when we click number of seats it asks enter the date

Date:

step 1: now we want to turn on the sys - date as entity to receive data from user
step 2: after enter date it asks time of movie

Time:

step 1: creating new intent as time (9am,1pm,5pm)
step 2: after enter the time in assistant give the phone numbers

sys numb:

step 1: setup the sys numb as entity is any when we enter phone number
step 2 : after enter phone mobile it will ask enter the otp

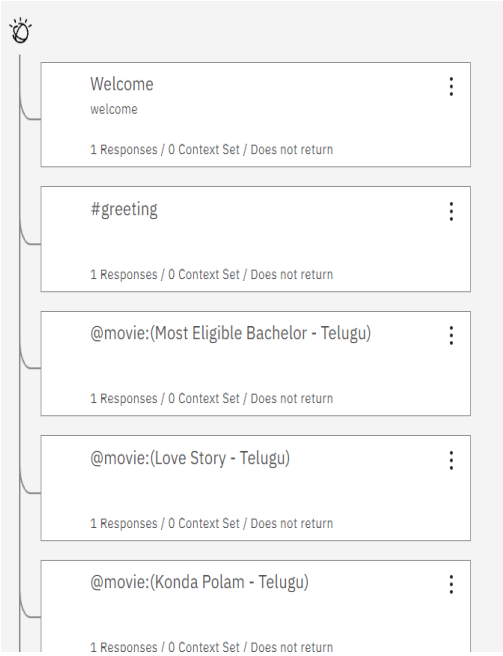
otp :

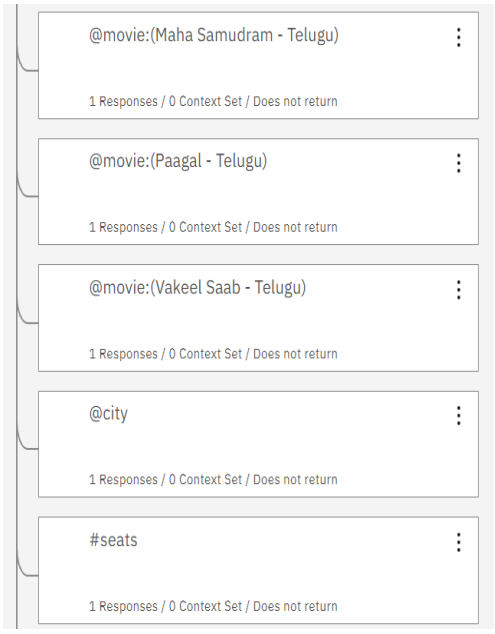
step 1: creating intent as otp (otp , ad12)
step 2: after enter otp it show please do your payment

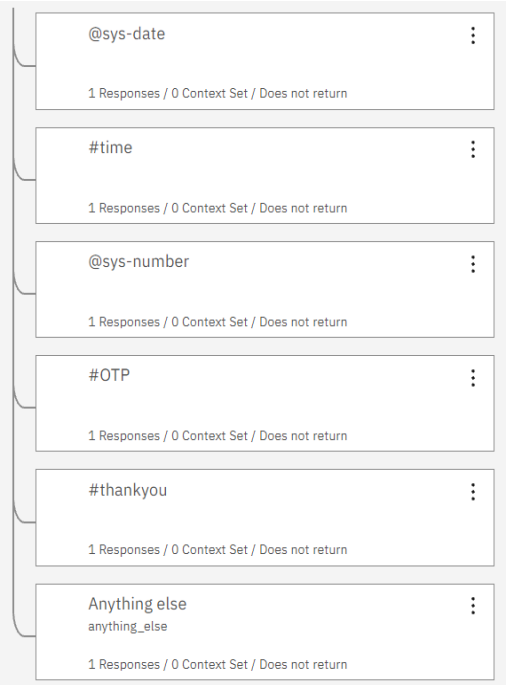
Thank you :

step 1 : create a intent as thank you , okay ,ok
step 2: when we click ok it show thank you for choosing me

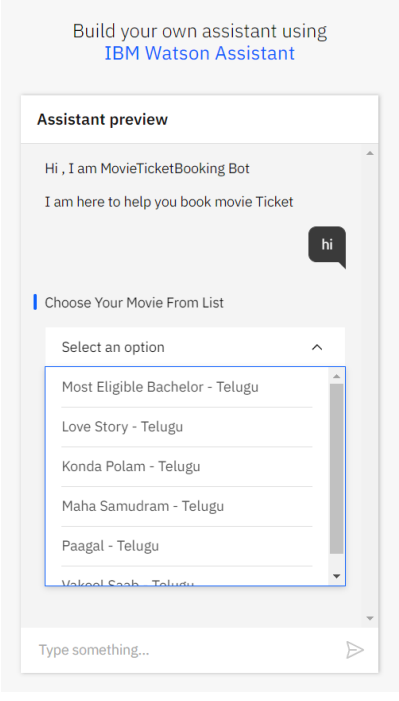
Flow Chat :

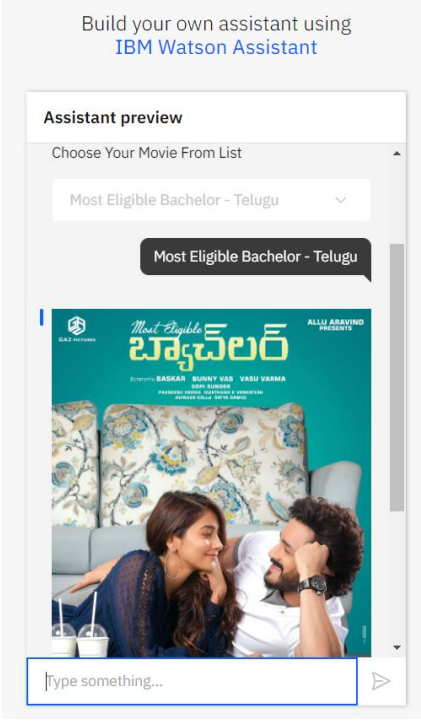


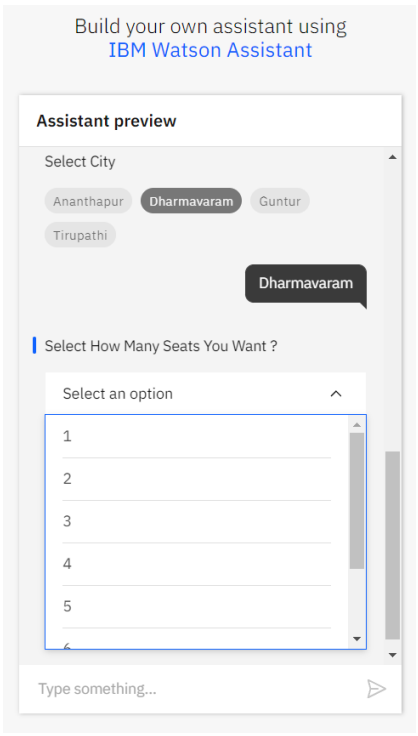


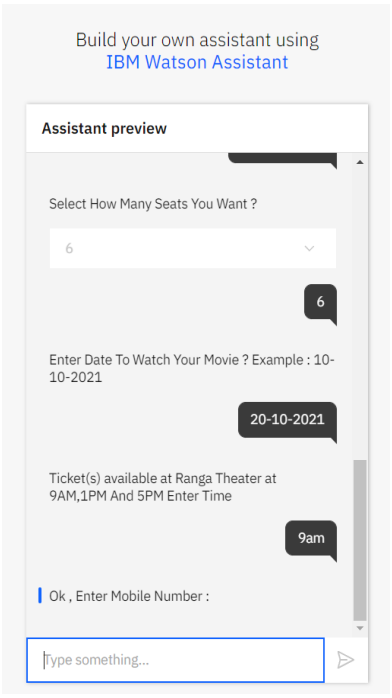

@sys-date
1 Responses / 0 Context Set / Does not return
#time
1 Responses / 0 Context Set / Does not return
@sys-number
1 Responses / 0 Context Set / Does not return
#OTP
1 Responses / 0 Context Set / Does not return
#thankyou
1 Responses / 0 Context Set / Does not return
Anything else
anything_else
1 Responses / 0 Context Set / Does not return

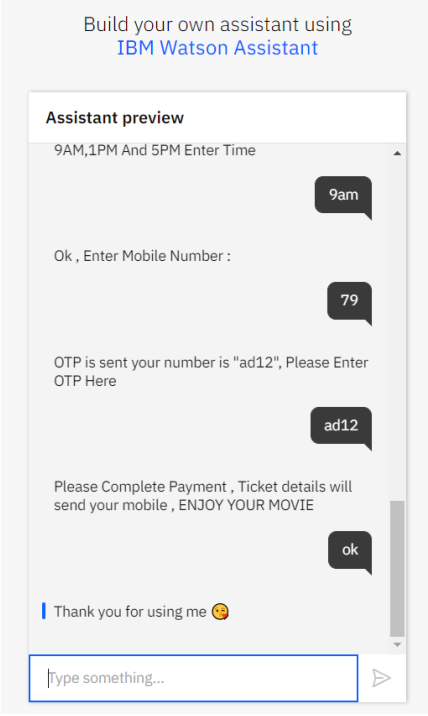
Result :


Build your own assistant using
IBM Watson Assistant
Assistant preview
Hi , I am MovieTicketBooking Bot
I am here to help you book movie Ticket
hi
Choose Your Movie From List
Select an option
Most Eligible Bachelor - Telugu
Love Story - Telugu
Konda Polam - Telugu
Maha Samudram - Telugu
Paagal - Telugu
Type something...


Build your own assistant using
IBM Watson Assistant
Assistant preview
Choose Your Movie From List
Most Eligible Bachelor - Telugu
Most Eligible Bachelor - Telugu
Type something...


Build your own assistant using
IBM Watson Assistant
Assistant preview
Select City
Ananthapur
Dharmavaram
Guntur
Tirupathi
Dharmavaram
Select How Many Seats You Want ?
Select an option
1
2
3
4
5
Type something...


Build your own assistant using
IBM Watson Assistant
Assistant preview
Select How Many Seats You Want ?
6
6
Enter Date To Watch Your Movie ? Example : 10-10-2021
20-10-2021
Ticket(s) available at Ranga Theater at 9AM,1PM And 5PM Enter Time
9am
Ok , Enter Mobile Number :
Type something...


Build your own assistant using
IBM Watson Assistant
Assistant preview
9AM,1PM And 5PM Enter Time
9am
Ok , Enter Mobile Number :
79
OTP is sent your number is "ad12", Please Enter OTP Here
ad12
Please Complete Payment , Ticket details will send your mobile , ENJOY YOUR MOVIE
ok
Thank you for using me
Type something...

Advantages and disadvantages

Advantage:

1. low-cost, high benefits
2. time will save
3. money will save
4. fast work
5. any time connects with customer
6. it gives customer satisfaction

Disadvantage:

1. Bot is not a person
2. we need time for implementation
3. they need maintained

Applications

1. we can use for food restaurant
2. we can use as to help center of a company
3. we can use as a bus, train ticket booking
4. we can use it for sales as like amazon bot
5. we can use it as an online application filling
6. all industries can use a bot

conclusion :

I concluded that the bot is very helpful for humans. It creates works as fast and easy within the time. Many benefits we can see from a bot. In the future, these play a crucial role in humans' life.

Future scope:

The future scope is limitless. First, there was traditional ticket booking i.e., Window Booking then came a Smart Application i.e., BOOK MY SHOW now came an Automated Way i.e., CHATBOT. This movie ticket booking chatbot gives the exact time date and location of the movie the user wants to watch.

References:

1. Handoyo, Eko, et al. "Ticketing chatbot service using serverless NLP technology." *2018 5th International Conference on Information Technology, Computer, and Electrical Engineering (ICITACEE)*. IEEE, 2018.

2. Ganesan, Mr M., et al. "A Survey on Chatbots Using Artificial Intelligence." *2020 International Conference on System, Computation, Automation and Networking (ICSCAN)*. IEEE, 2020.
3. Ghosh, Arpita. "IBM Watson Assistant and Node-RED-Based Movie Ticketing Bot Design." *Smart and Intelligent Systems*. Springer, Singapore, 2022. 307-316.

Appendix :

https://web-chat.global.assistant.watson.cloud.ibm.com/preview.html?region=eu-gb&integrationID=7b008ced-9379-4cac-a581-bb9092a13732&serviceInstanceID=f7df948c-b094-4e39-bd94-35e96b12c1d7