

Movie ticketing bot

This chatbot enables people to interact with him to choose online a film they want to watch at the cinema and to book the number of tickets they want for that film.

Existing problem: *People could no more bear waiting in long lines

*People who want to book a ticket in advance have to go twice to the cinema to buy their tickets.

*Moving to the ticket counter can increase the air pollution.

*In this health crisis, buying touchable tickets directly from the ticket counter can increase the risk of being contaminated.

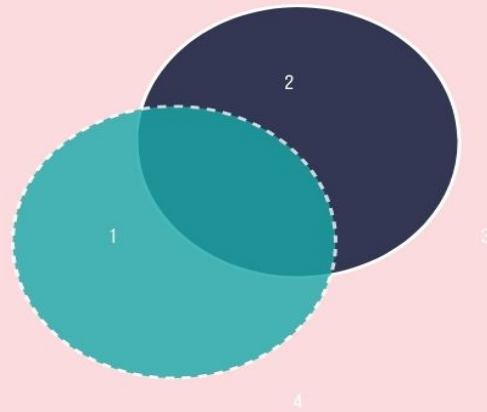
*The different services are being gradually digitalized.

Proposed solutions:

*We can create the possibility for people to stay at home and book comfortably in a few seconds.

*The customer can buy a digital ticket without running the risk of being in contact with others and being contaminated.

---> That's why, the Movie ticketing bot is the best solution to solve these problems!



1. Watson assistant (on the IBM CLOUD)

2. Node-red

*The person asks for the availability of films/offers/



*The person can select a film and reserve the number of places he wants

*show the availability of tickets and their respective price

*is a position to book tickets

*show film timing

Experimental investigations:

1/Starting with noticing the existing problems and decided to find a convenient way for the customers to book their movies tickets.

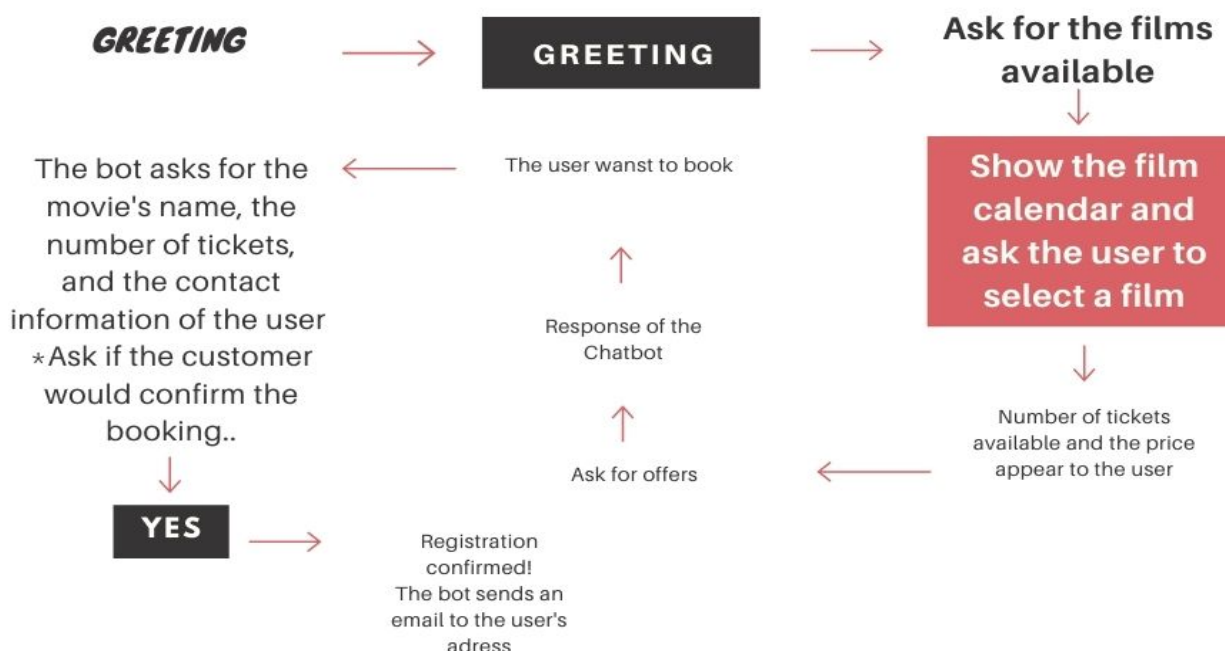
2/Putting myself in the place of the customer, I started imagining the questions I would ask if I wanted to book a movie's ticket.

3/Apply the questions and the answers by creating my dialog with entities and intents on the Watson assistance on IBM CLOUD.

4/Making sure of the coordination and the logic between the questions and answers

FLOWCHART:

My Movie Ticketing Bot



Result:

Online Booking

Book your Movie Ticket in few seconds !



Movie Ticket in



Watson Assistant

hello

Hello, how can I help you ?

I want to have a look on the available films please

UAB Campus Cinema Schedule <small>QUARTER 3</small>		W. H. R. S. P. O. O. N. Student Center			
<small>*FREE admission (parking other than specified) & FREE healthy prepared popcorn (1 bag per person) available 30 minutes before the showing.</small>					
 Lion King 2019	JAN 5 7PM	 Hustlers 2019	JAN 9 7PM JAN 10 10:15PM	 Knives Out 2019	JAN 9 10:15PM JAN 10 7PM
 Terminator	JAN 16 7PM JAN 17 10:15PM	 Gemini Man	JAN 16 10:15PM JAN 17 7PM	 The Farewell	JAN 23 7PM JAN 24 10:15PM
				 Blinded by the Light	JAN 23 10:15PM JAN 24 7PM

?

Type something...



Movie Ticket in



Watson Assistant

UAB Campus Cinema Schedule Winterspoon Student Center
FREE Admission (patrons otherwise specified) & FREE facility prepared popcorn (1 bag per person) available 30 minutes before the showing.

QUARTER 3	
JAN 5 7PM Lion King 2019	JAN 9 7PM Hustlers 2019
JAN 16 7PM Terminator 2019	JAN 16 10:15PM Gemini Man 2019
JAN 30 7PM The Addams Family 2019	JAN 30 10:15PM The Secret Life of Pets 2 2019
FEB 14 6:30PM DINNER AND A MOVIE* <small>*Check subsequence for more details</small>	FEB 20 7PM The Farewell 2019
FEB 28 7PM Five Feet Apart 2004	FEB 28 10:15PM Maleficent 2014
MAR 5 7PM The Kitchen 2019	MAR 5 10:15PM Bombshell 2019
MAR 6 7PM Abominable 2019	MAR 6 10:15PM Frozen 2 2019



Type something...



Movie Ticket in



Watson Assistant

*Check subsequence for more details

FEB 28 7PM The Kitchen 2019	FEB 28 10:15PM Bombshell 2019
MAR 5 7PM Abominable 2019	MAR 5 10:15PM Frozen 2 2019

Here is the Quarter 3 Spring 2021 Semester Movie schedule:

Kindly select the film you want to watch:

Please, note that we have reduced the number of tickets because of Corona virus precaution measures.

Select an option



Type something...



Movie Ticket in



Watson Assistant

of tickets because of Corona virus precaution measures.

Select an option

Lion King

Hustlers

Knives Out

Terminator

Gemini Man

The Farewell



Type something...



Movie Ticket in



Watson Assistant

Here is the Quarter 3 Spring 2021 Semester Movie schedule:

Kindly select the film you want to watch:

Please, note that we have reduced the number of tickets because of Corona virus precaution measures.

Hustlers

Hustlers

Number of tickets :5 --> 10\$/ticket



Type something...



Movie Ticket in



Watson Assistant

Number of tickets :5 --> 10\$/ticket

I want to book please

Please, write the movie's name :

the hustlers

Please, write how many tickets you want :

3

Please, Write your payment method(
MasterCard ; Visa ; PayPal ; American Express)

?

Type something...



e Ticket in



Watson Assistant

19

Please, enter your email adress :

meriamelimane@gmail.com

Do you confirm the booking of 3 tickets for the
Hustlers movie through Visa (Yes/No) ?

yes

Well registred meriam ! We will send an email
to meriamelimane@gmail.com to confirm your
registration.

?

Type something...



Advantages of my project:

*Avoiding the contact of people during this health crisis.

*The possibility to book comfortably your ticket with a simple chat with the bot (simplicity)

*The rapidity of the booking itself (in few seconds you can book easily your movie ticket)

Disadvantages of my project:

**The shortage of finding a job for some people since the cinemas will no longer hire persons to buy tickets at the ticket counter(It's the disadvantage for all the digitalizing projects nowadays)*

Applications:

*Cinemas

*Youth clubs

*Culture associations....

Conclusion:

To conclude, our world is becoming nowadays more and more digitalized .AI is the proof that the humanity is advancing consistently

in the field of Sciences.

The chatbot is a new way to buy movie tickets, letting people interact with a bot that have cognitive capacities and able to understand people's enquiries .

I really have learnt a lot from this project ,learning to work on some services of The IBM Cloud.

It has also encouraged me to discover more the AI sciences

—

Future Scope:

*Movie fans can watch trailers on the chatbot.

Bibliographie:

*It's thanks to the Project Build-A-Thon-Tunisia assured by The SmartBridge that I could build this project.

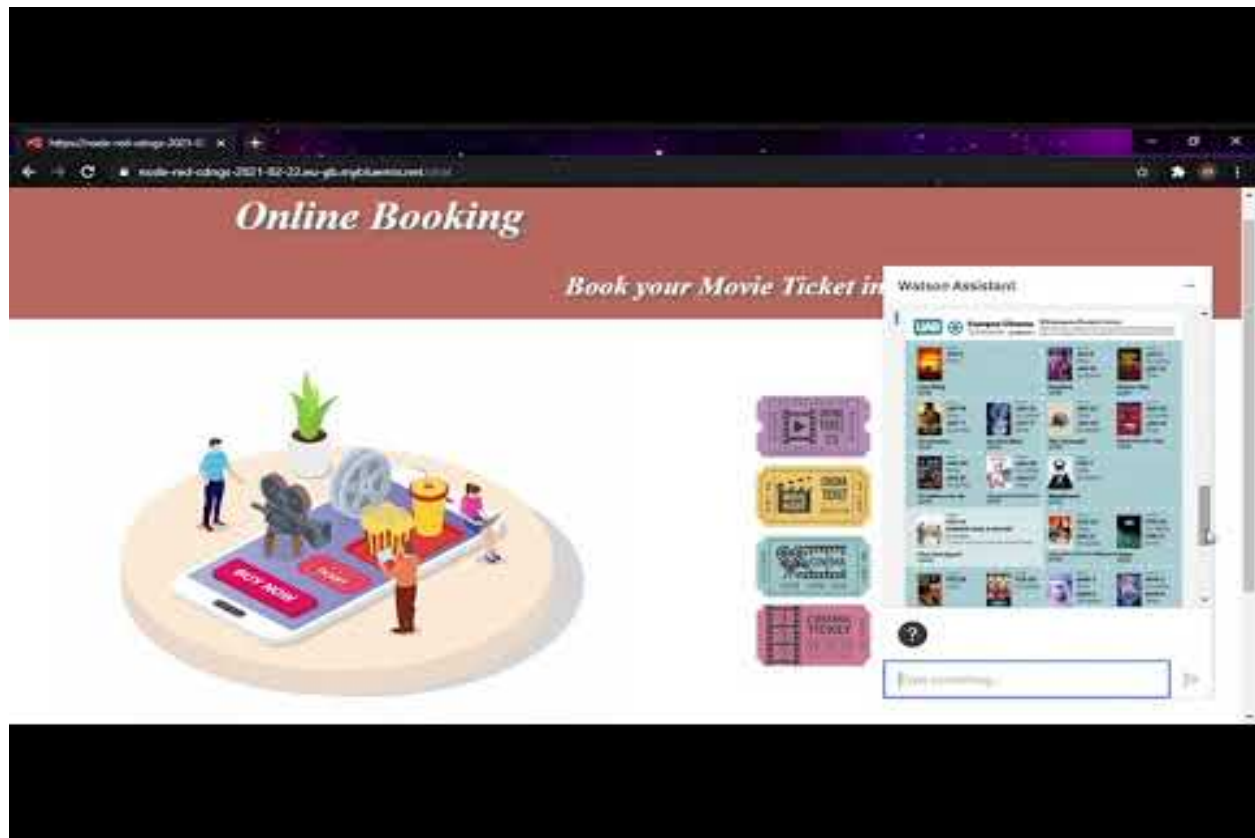
*Some Youtube videos talking about Watson Assistance and Node Red.

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Appendix:

<https://node-red-cdn-gs-2021-02-22.eu-gb.mybluemix.net/red/#flow/f8a64e2f.d353c>

<https://node-red-cdn-gs-2021-02-22.eu-gb.mybluemix.net/chat>



<https://www.youtube.com/watch?v=x59iGXE4s6s>

```
</script>
window.watsonAssistantChatOptions = {
  integrationID: "4913dc20-ce5a-4a68-918a-7a1b3d313bd6", // The ID of this integration.
  region: "eu-gb", // The region your integration is hosted in.
  serviceInstanceID: "afba4a7a-696f-4ed5-9d24-440d31720f07", // The ID of your service instance.
  onLoad: function(instance) { instance.render(); }
};
setTimeout(function(){
  const t=document.createElement('script');
  t.src="https://web-chat.global.assistant.watson.appdomain.cloud/loadWatsonAssistantChat.js";
  document.head.appendChild(t);
});
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                "
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<div style="margin-top:3.02%;
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          font-weight:bold;
          font-size:2em;
          margin-left:30%;">Book your Movie Ticket in few seconds ! </div>

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<section style="display:flex;
              margin:0px;"
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<div >
  

</div>
<div>
  

</div>

</section>

</body>
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