

PROJECT REPORT

Movie Ticketing Bot Powered by
IBM Watson Assistant

Category: IBM Cloud Application

Application ID: SPS_CH_APL_20210014202

Project ID: SPS_PRO_2730

Project Build-A-Th on Challenge

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1. INTRODUCTION

1.1 Overview

Nowadays Cinemas now can take one step closer to their customers than ever! Booking tickets to one's favorite movie in their favorite theatre is made easier with the "Movie ticketing bot". This can keep in touch with its loyal audience and send them notifications whenever a blockbuster is released right on fans' favorite channel.

1.2 Purpose

In this project we need to build a chatbot using a Watson assistant. This chat can achieve the following capabilities:

1. Give the list of movies available
2. The Bot should be able to show different show timings
3. When a movie is selected the bot should show the availability of tickets and their respective prices.
4. The bot should be in a position to book tickets.

2. LITERATURE SURVEY

2.1 Existing problem

The Existing problem is so simple i.e,

1. Day by day people will become way more busier than yesterday.
2. They cant risk their lives to buy a single ticket on heavy crowd and it is unsafe too.
3. if they take a risk and try to buy a ticket on ticket counter, probably they don't get it and they will became unhappy too.

2.2 Proposed solution

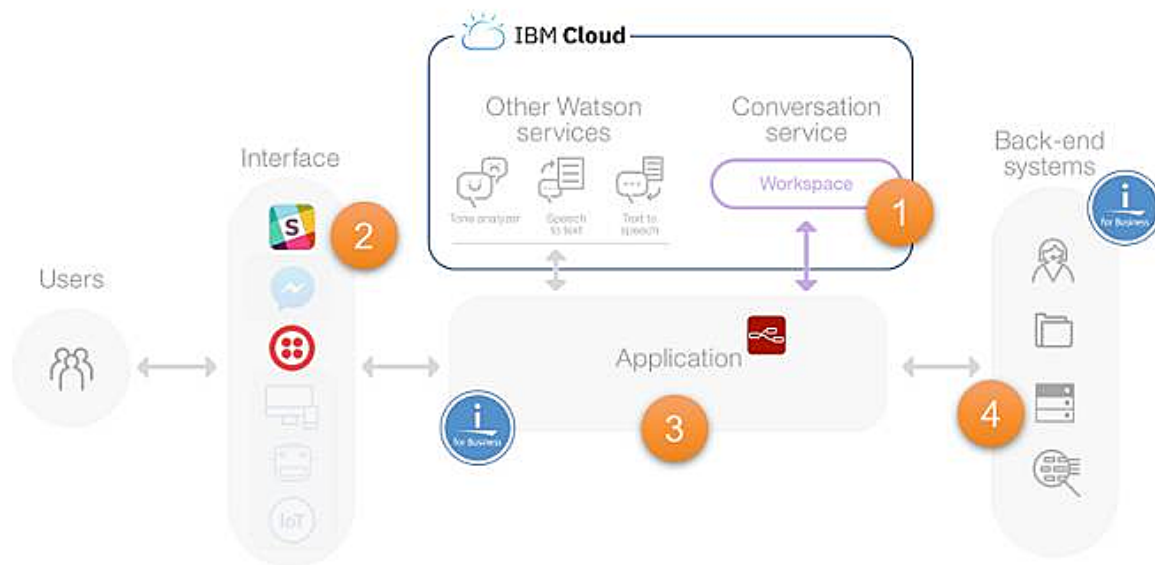
I simply propose that customers/end users try to utilize web ways instead of old physical techniques. However "Chat bot" is the best solution for customers because it is based on AI and it can do many things, logically and digitally. Also today the world will run on to Artificial Intelligence.

The following are METHODS and SOLUTIONS

1. Chat bot
2. web Applications
3. designed apps

3. THEORITICAL ANALYSIS

3.1 Block diagram

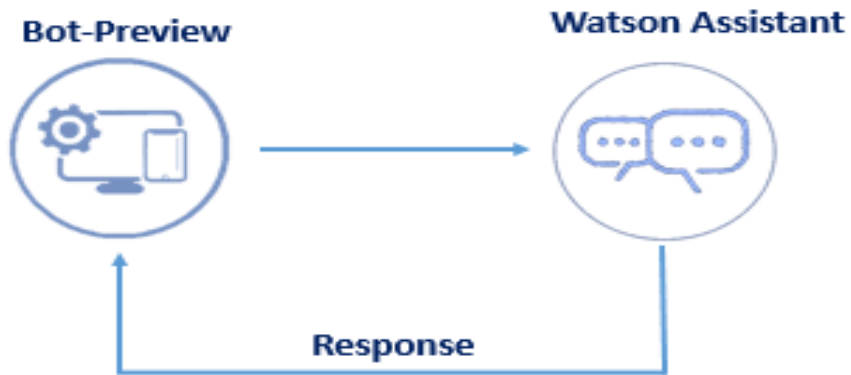


3.2 Hardware / Software designing

Requirements:

1. IBM initiative account
2. IBM cloud access
3. IBM Watson Assistant

Technical Architecture:



4. EXPERIMENTAL INVESTIGATIONS

Chatbots are two types they are 1. scripted chatbot and 2. self learning chatbot

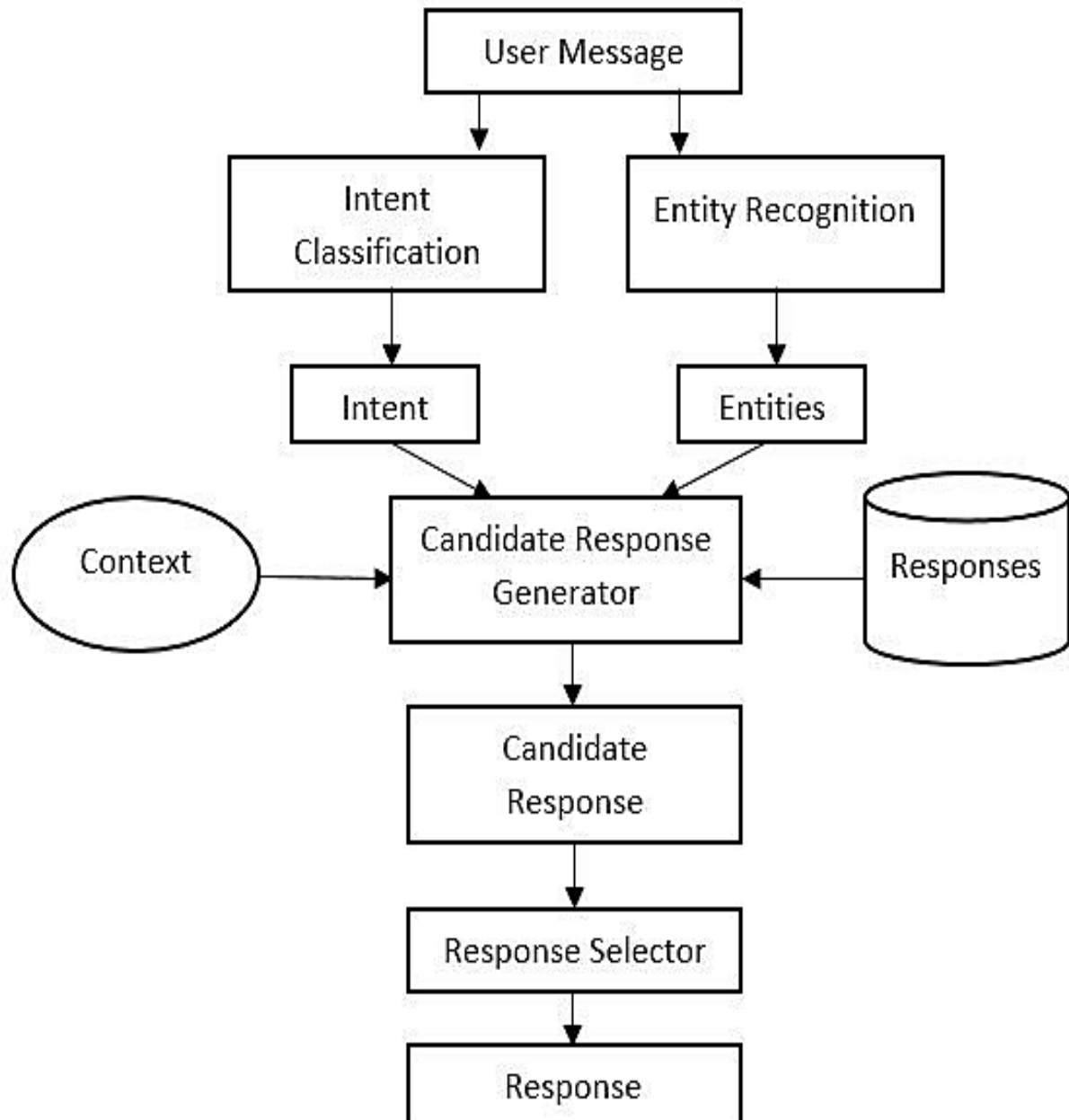
1. Scripted chatbots

- Works predefined words from the library
- It is answered only after training

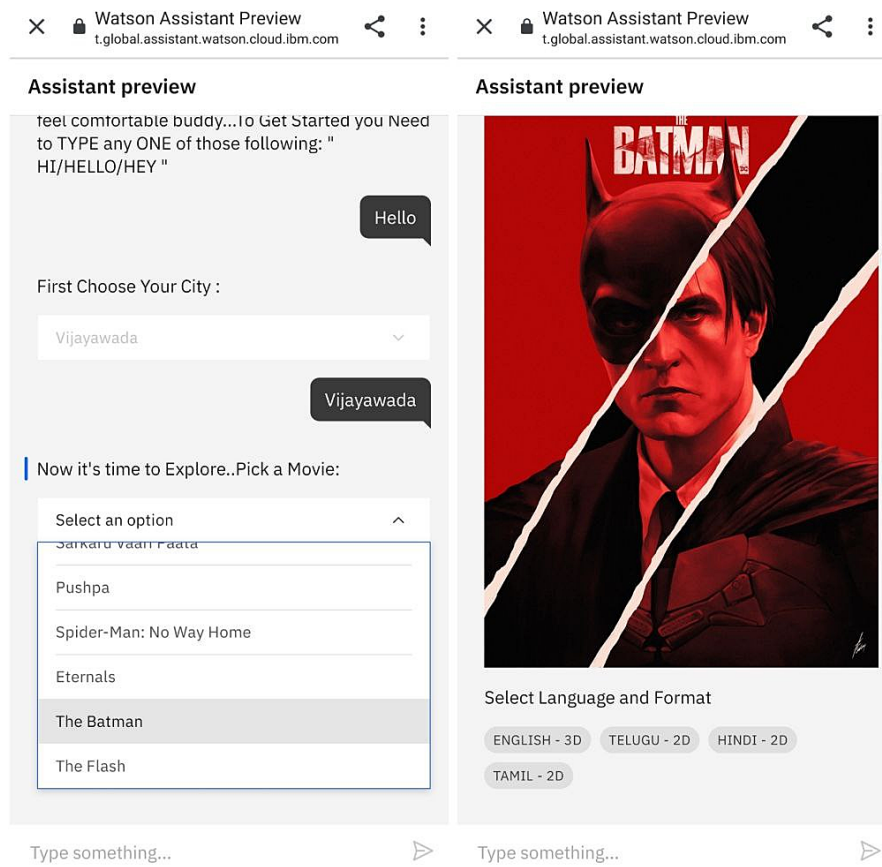
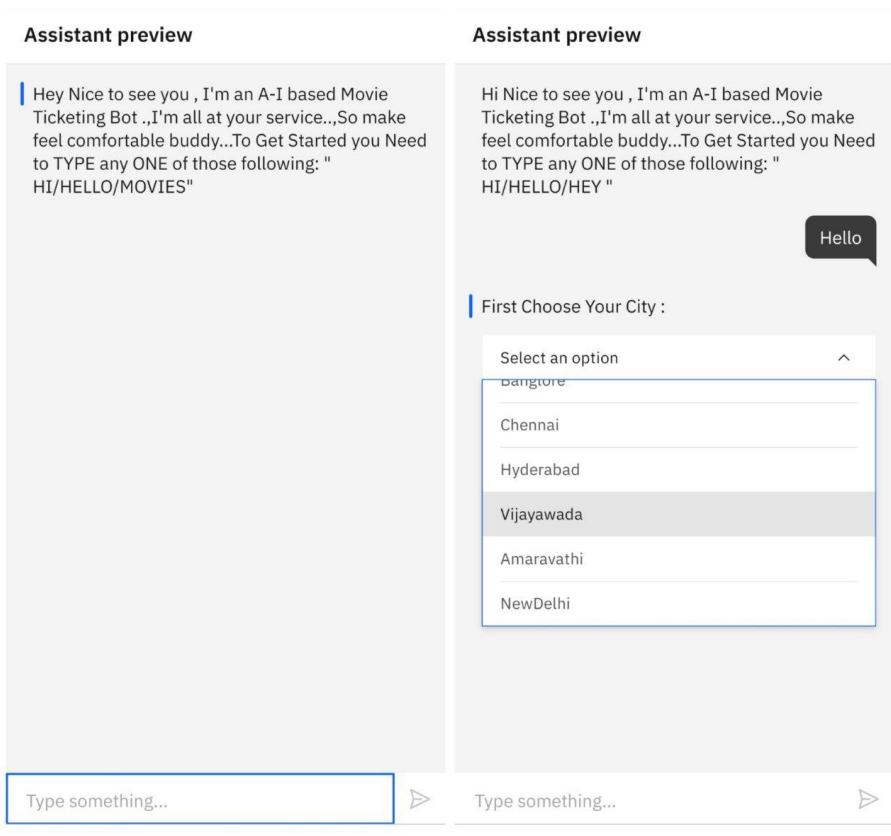
2. Self learning chatbots

- Much more dynamic and intelligent than scripted chat bots

5. FLOW CHART



6. RESULT



Watson Assistant Preview
t.global.assistant.watson.cloud.ibm.com

Assistant preview

Select Language and Format
ENGLISH - 3D TELUGU - 2D HINDI - 2D
TAMIL - 2D
ENGLISH - 3D

How many Seats?
Note: You may purchase a maximum of 6 tickets per transaction

Select an option
1
2
3
4
5

PRICING AND AVAILABILITY:
3D MOVIE - RS. 350.00 - AVAILABLE
2D MOVIE - RS. 250.00- AVAILABLE

Type something...

Watson Assistant Preview
t.global.assistant.watson.cloud.ibm.com

Assistant preview

How many Seats?
Note: You may purchase a maximum of 6 tickets per transaction

2

PRICING AND AVAILABILITY:
3D MOVIE - RS. 350.00 - AVAILABLE
2D MOVIE - RS. 250.00- AVAILABLE

2

Enter the Date you want to watch :
Ex : 28th November

5th December

Now it is Time to Select Theatre:
PVP CINEMAS CINEPOLIS POWERONE INOX

Do you know: we are very careful about our customers.,so sanitization before every show is our policy..Thanks for keep trusting us..

Type something...

Watson Assistant Preview
t.global.assistant.watson.cloud.ibm.com

Assistant preview

5th December

Now it is Time to Select Theatre:
PVP CINEMAS CINEPOLIS POWERONE INOX

Do you know: we are very careful about our customers.,so sanitization before every show is our policy..Thanks for keep trusting us..

INOX

Pick a Suitable Show timing for you :

Select an option
9:45AM
1:00PM
4:15PM
7:30PM
10:45PM

Type something...

Watson Assistant Preview
t.global.assistant.watson.cloud.ibm.com

Assistant preview

Do you know: we are very careful about our customers.,so sanitization before every show is our policy..Thanks for keep trusting us..

INOX

Pick a Suitable Show timing for you :

4:15PM

4:15PM

Okay..Enter your Mobile Number:

9398793195

OTP is sent to your Respective Mobile Number
So Please Enter YOUR OTP :

123ABC

Ticket details are Sent to your mobile . Complete your Payment and Book the Slot..Thanks for using our service.

Type something...

7. ADVANTAGES & DISADVANTAGES

Advantages:

1. 24/7 Accessible Time
2. Handling Capacity
3. Cost effective
4. Faster on boarding
5. Work Automation

Disadvantages:

1. constant maintenance
2. difficult to create
3. only handle basic questions
4. sounds too mechanical

8. APPLICATIONS

The areas where this solution can be applied are

1. customer support
2. banking sector
3. social media
4. travel agent

5. Assistant to person
6. skill enhancement
7. e-commerce
8. entertainment
9. business

9. CONCLUSION & FUTURE SCOPE

Chatbot in apps are an upgrade to a mobile user interface, as they bring the most basic type of human interaction into the digital environment. A simpler, faster and more intuitive user interface results in an overall better user experience, which is one of the key factors for mobile growth. 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.

10. BIBILOGRAPHY

- [Demo on Youtube](#)
- [Boot camp Video](#)
- [workspace references](#)

APPENDIX

A. Chatbot Preview Link

♦ [Movie Ticketing Bot](#)

- Use Default OTP - **123abc**