

PROJECT ON

MOVIE TICKET BOOKING

USING IBM WATSON ASSISTANT

BY

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1. INTRODUCTION

What is a Chatbot?

First, let us divide the word “chatbot” into two, so we have “chat” and “bot”

Chat is the process of communicating, interacting and exchanging information. Bot is an application which is programmed to think like humans to do certain tasks without human intervention.

1.2 Purpose

So, interacting or chatting with an AI-based system (Bot) that can understand human language, process it and give reply based on user intent is called a Chatbot.

2 LITERATURE SURVEY

2.1 Existing Problem

Currently movie ticket booking is web based by visiting individual websites of theatre by manual searching. Consumes more time and viewers do not have knowledge of movies running in other theatres.

2.2 Proposed Solution

AI based Movie Ticket Booking chat bot can gather all movies running in all theatres across the given city based on language and can interact with customers to gather their taste and accordingly displays movie list and helps in booking tickets.

Users will have more of conversational type booking activity as in real time.

3. THEORETICAL ANALYSIS

3.1 Block diagram

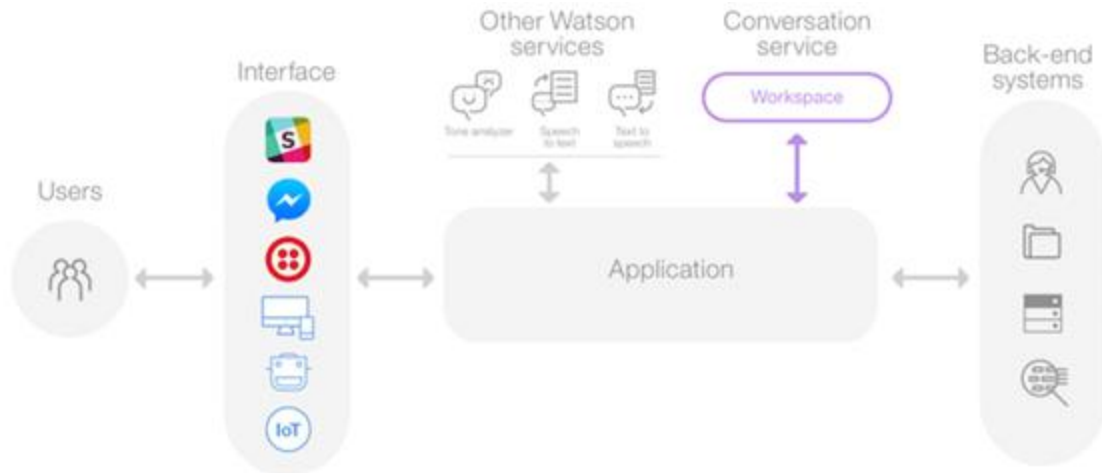


Fig. 3.1 Block Diagram

3.2 Hardware / Software designing

- You must have an IBM Cloud account. The account is free and provides access to everything you need to develop, track, plan, and deploy apps. [Sign up for a trial](#). The account requires an IBMid. If you don't have an IBMid, you can create one when you register.
- Your IBM Cloud account must have at least 8 GB of runtime and container memory, plus access to provision up to 10 services.
- You need a clone of [this GitHub repository](#), as you might need some of the files to expedite your work.
- To develop on the broker code or to run locally or on IBM Cloud, you must be familiar with Node.js, Express.js, and Angular 2.

4. EXPERIMENTAL INVESTIGATIONS

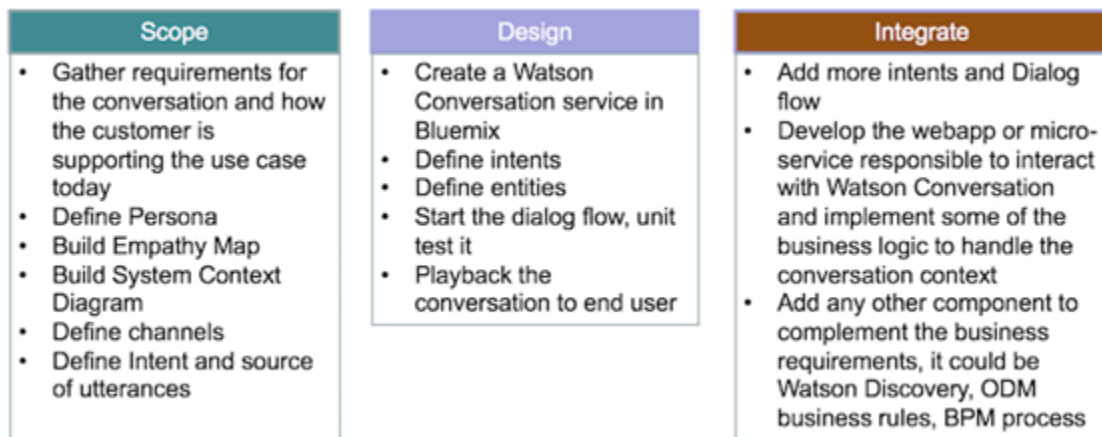


Fig 4.1 Experimental Investigation

5. FLOWCHART

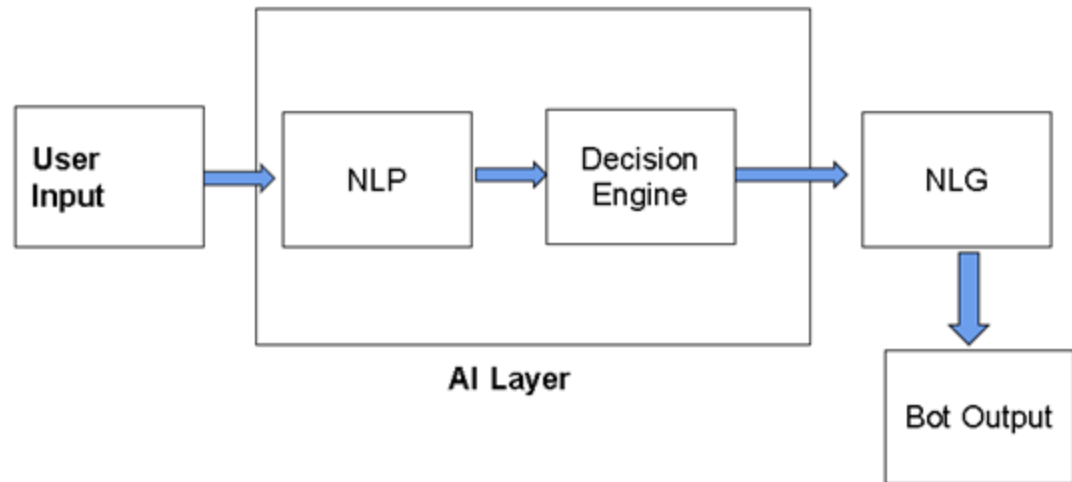


Fig. 5.1

Steps to be followed

Task 1: Create the Assistant service

Task 2: Create a workspace

Task 3: Create intents

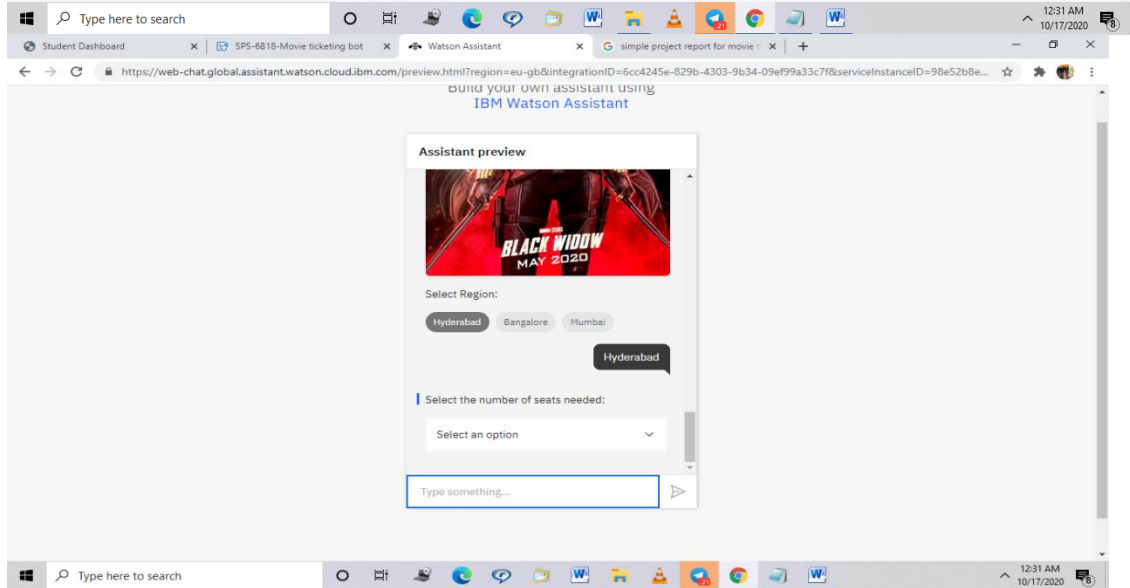
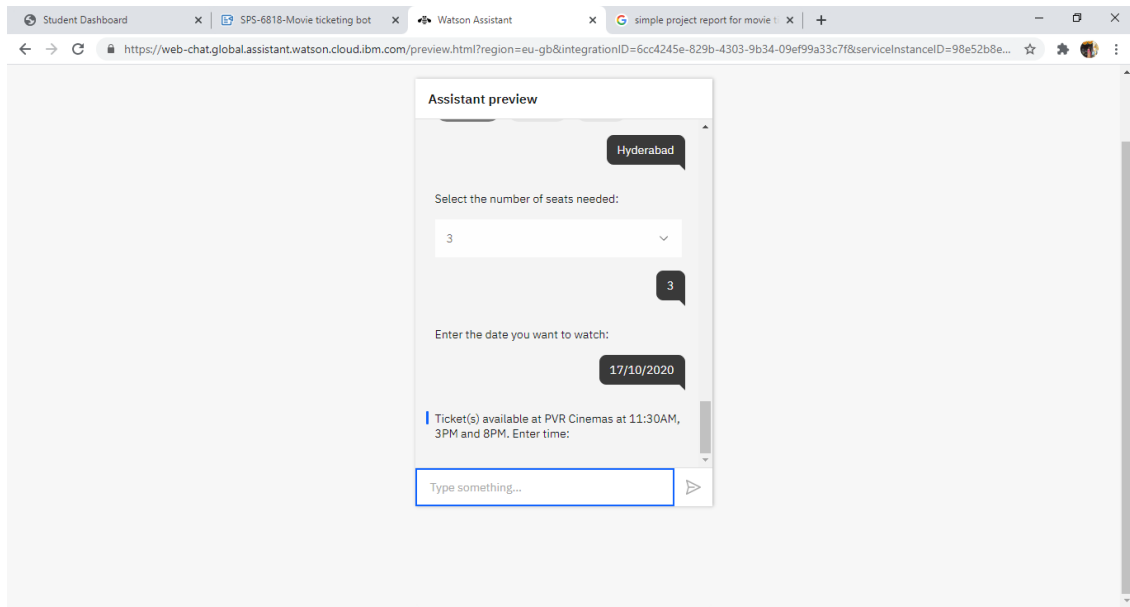
Task 4: Test the intents

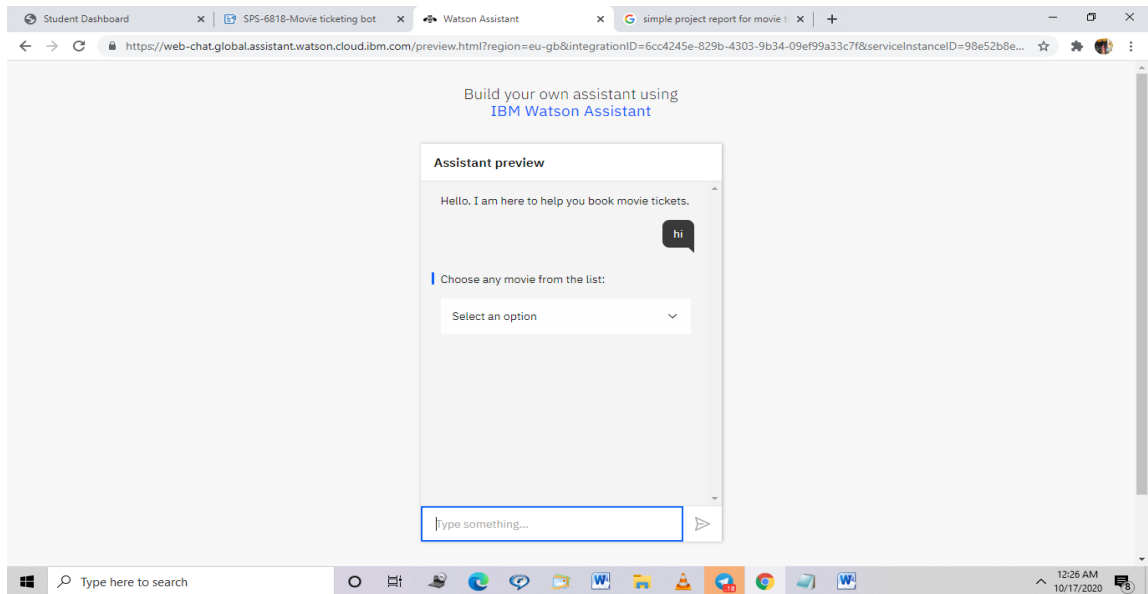
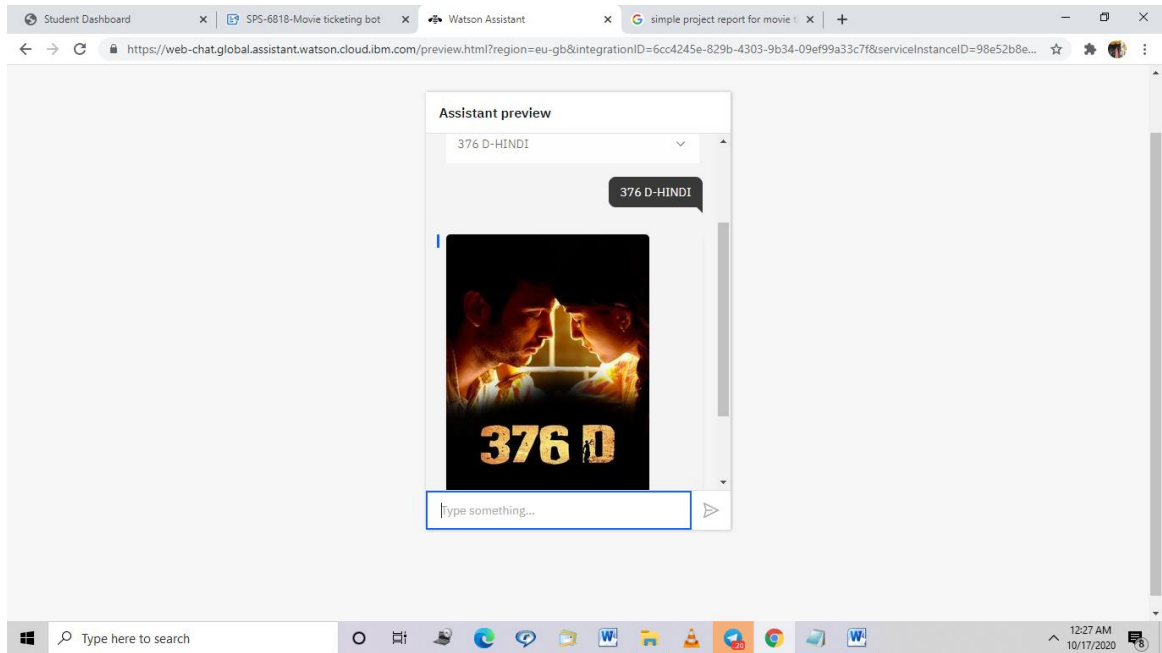
Task 5: Add entities

Task 6: Build the dialog

Task 7: Complete advanced dialog work

6. RESULTS





7. ADVANTAGES & DISADVANTAGES

Advantages

1. **Very interactive**
2. **Real time booking experience**
3. **Any type of users irrespective of computer knowldge and age can use it**

Disadvantages

1. **Now it is restricted to 3 regions**
2. **Bot has to learn over a period of time so requires more training**

8. APPLICATIONS

1. **Useful for any set of people**
2. **Bridges ap between customer to business and business to customers**
3. **Lite weight**
4. **Can be incorporated in mobile/website**

9. CONCLUSION

chatbots are computer applications powered by artificial intelligence to communicate with you. They are designed to mimic natural human conversation via an online chat interface, SMS, and sometimes, even voice chat.

10. FUTURE SCOPE

Despite being designed for human consumption, chatbots are also capable of communicating and gathering information from other chatbots.
Can be developed to chat in local language depending on location access.

11. BIBLIOGRAPHY

- 1. <https://cdn2.hubspot.net/>**
- 2. www.developer.ibm.com**
- 3. www.google.com**

APPENDIX

A. Source code

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{  
  "intents": [  
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  "system_entities": {
    "enabled": true
  },
  "human_agent_assist": {
    "prompt": "Did you mean:"
  },
  "spelling_auto_correct": true
},
"learning_opt_out": false,
"name": "MTBooking",
"language": "en",
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"description": ""  
}
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