

# Movie Ticketing Bot

Category: IBM Cloud Application

## Project Description:

In this project, we will be building a chatbot using Watson assistant. This chat should have 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.

## Services Used:

1. IBM Watson Assistant
2. Node-Red

## Create Intents

Duration: 0.5 Hrs

Skill Tags: WAS

Create intents for the movie ticket booking chatbot, You can add the following intents:

1. Greetings
2. Movies availability
3. Book tickets
4. Inquiry

Student Dashboard | SPS-5489-Movie ticketing bot | IBM Watson Service Page | IBM Watson Assistant | SmartPracticeschool/SPS-5489- | +

eu-gb.assistant.watson.cloud.ibm.com/eu-gb/cmv1:bluemixpublicconversationeu-gba-2f98d727c36a524a468bc86a96b4023692a38fc70c-487d-44bc-8519-646aa65c714e/skills/311284e...

IBM Watson Assistant Lite Upgrade

Movie Ticket

Intents

Entities

Dialog

Options

Analytics

Versions

Content Catalog

Intents (5) ↑

	Description	Modified ↑↓	Examples ↑↓
<input type="checkbox"/> #book		14 hours ago	7
<input type="checkbox"/> #Greetings		a day ago	6
<input type="checkbox"/> #Movielist		15 hours ago	6
<input type="checkbox"/> #payment		14 hours ago	4
<input type="checkbox"/> #Shows		15 hours ago	3

Showing 1–5 of 5 intents

1 1 of 1 pages

Create intent +

12:11 PM 10/19/2020

## Create Entities

Duration: 0.5 Hrs

Skill Tags: WAS

In this activity, you need to create entities that include all the keywords that are present in the respective intents. Create multiple entities according to the requirement of the chatbot.

The screenshot shows the IBM Watson Assistant interface for a 'Movie Ticket' dialog. The 'Entities' tab is selected, showing a list of 6 entities. The interface includes a sidebar with navigation options like Intents, Entities, My entities, System entities, Dialog, Options, Analytics, Versions, and Content Catalog. The main area displays a table of entities with columns for Entity, Values, and Modified. A 'Create entity' button is visible in the top right corner of the table area.

Entity (6) ↑	Values	Modified ↑
<input type="checkbox"/> @book	booking, book, book a ticket	14 hours ago
<input type="checkbox"/> @greet	Good Evening, Good Morning, Hello, Hi, Good Afternoon	a day ago
<input type="checkbox"/> @movielist	War, Kaho Na Pyaar Hai, Movies, Krrish	14 hours ago
<input type="checkbox"/> @payment	Paytm, Credit Card, Debit Card, Net Banking, UPI	14 hours ago
<input type="checkbox"/> @Price	320, 250, 150, price	14 hours ago
<input type="checkbox"/> @Showtimings	04:30, 07:30, shows, timings, 10:30, 01:30	14 hours ago

Showing 1–6 of 6 entities

1 1 of 1 pages

## Create Dialog

Duration: 2 Hrs

Skill Tags: WAS

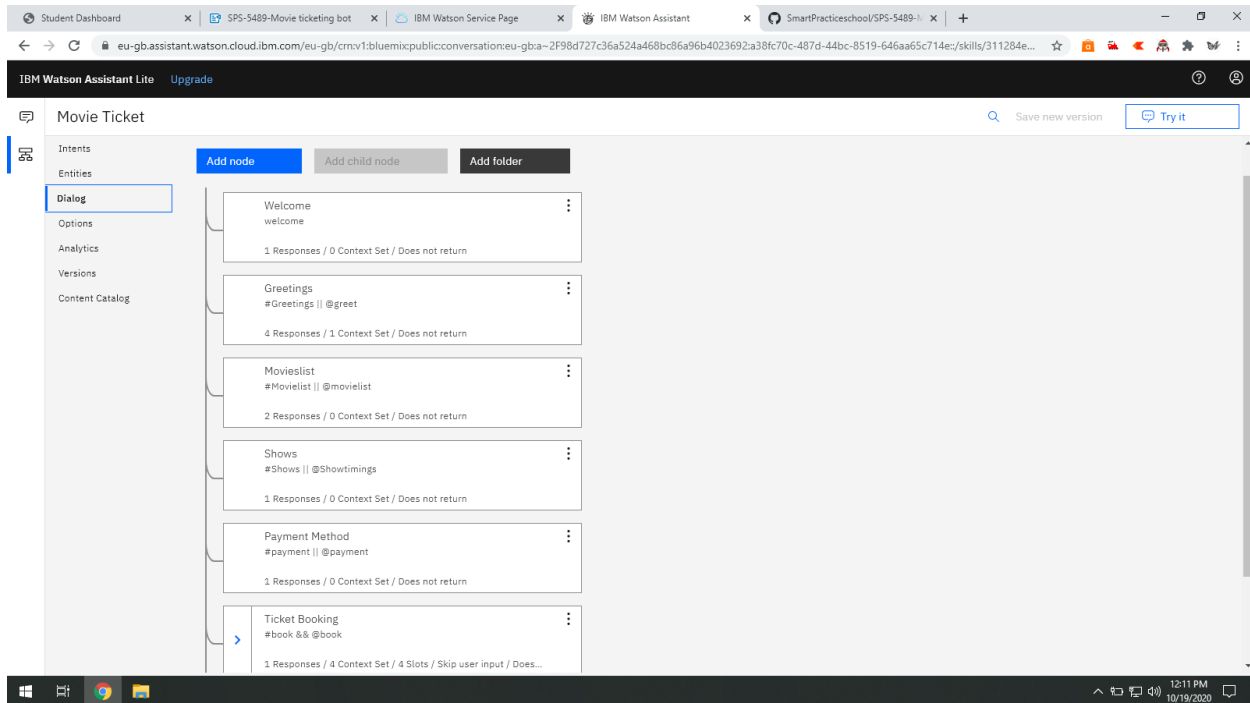
In this activity, we will be using Dialog in the Watson assistant to respond to the user.

In this chatbot add nodes for Greetings, inquiry, availability of movies, Booking of tickets.

In booking tickets, you can make use of slots.

Make sure to delete context variables to make the chatbot reusable to other users.

Try to extract email id from the user by using patterns in entities.

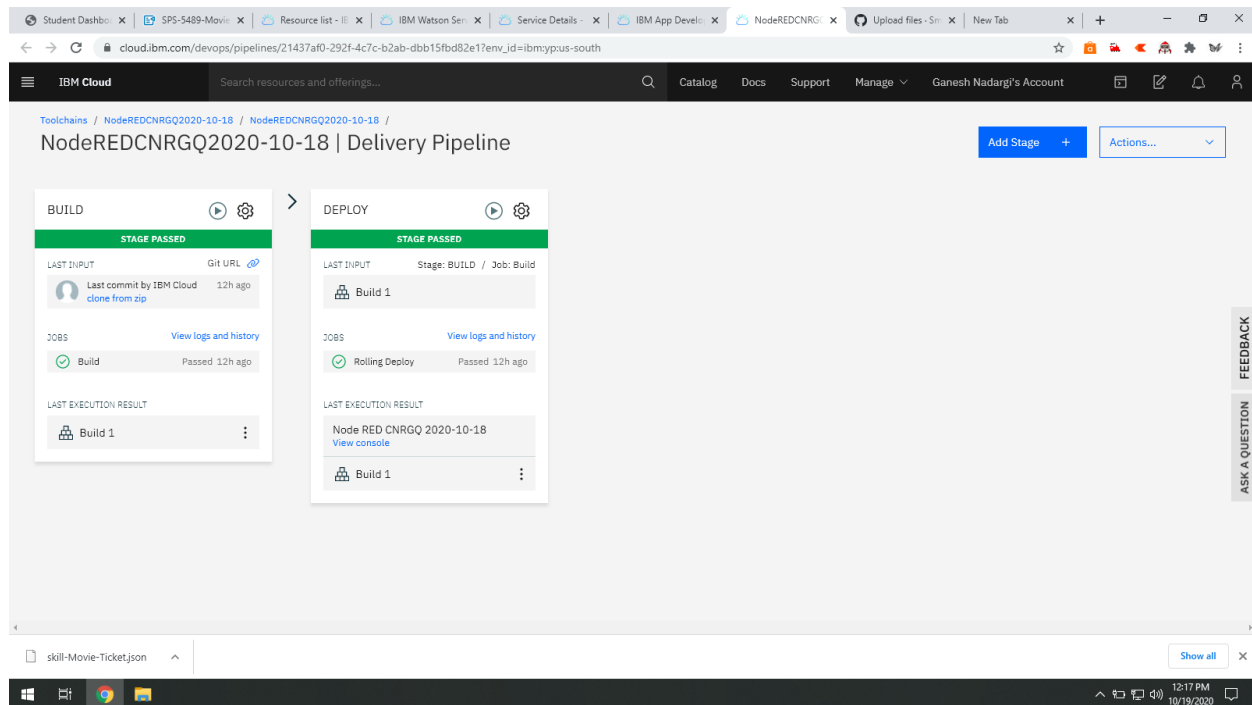


## Create Node-Red Service

Duration: 0.5 Hrs

Skill Tags: WAS

Firstly to use node-red we need to create node-red service by going to the catalog.If you already have node-red service in your IBM cloud You can directly go to node-red from your dashboard by going to cloud foundry apps.



## Integrate Node Red To Watson Assistant

Duration: 0.5 Hrs

Skill Tags: WAS

In this activity, you will be integrating node-red to Watson assistant by using an assistant node in node-red.

- Firstly configure the assistant node by giving API key and service endpoint which you get from the skill that was created in Watson assistant.
- Next install the dashboard nodes from the manage pallette and create UI accordingly by making use of form nodes and text nodes.

Node-RED interface showing a flow named "Flow 1". The flow consists of the following nodes:

- form** (light blue)
- function** (orange) - receives input from the form
- assistant** (blue) - receives input from the first function node
- msg payload** (green) - receives input from the assistant node
- function** (orange) - receives input from the assistant node
- You abc** (teal) - receives input from the first function node
- Zippy abc** (teal) - receives input from the second function node

The interface includes a left sidebar with node categories (common, function) and a right sidebar with flow information and deployment options.

Node-RED Dashboard interface showing a chat bot titled "Zippy Movie Ticket Booking Chat Bot".

**Home**

**Zippy Movie Ticket Booking Chat Bot**

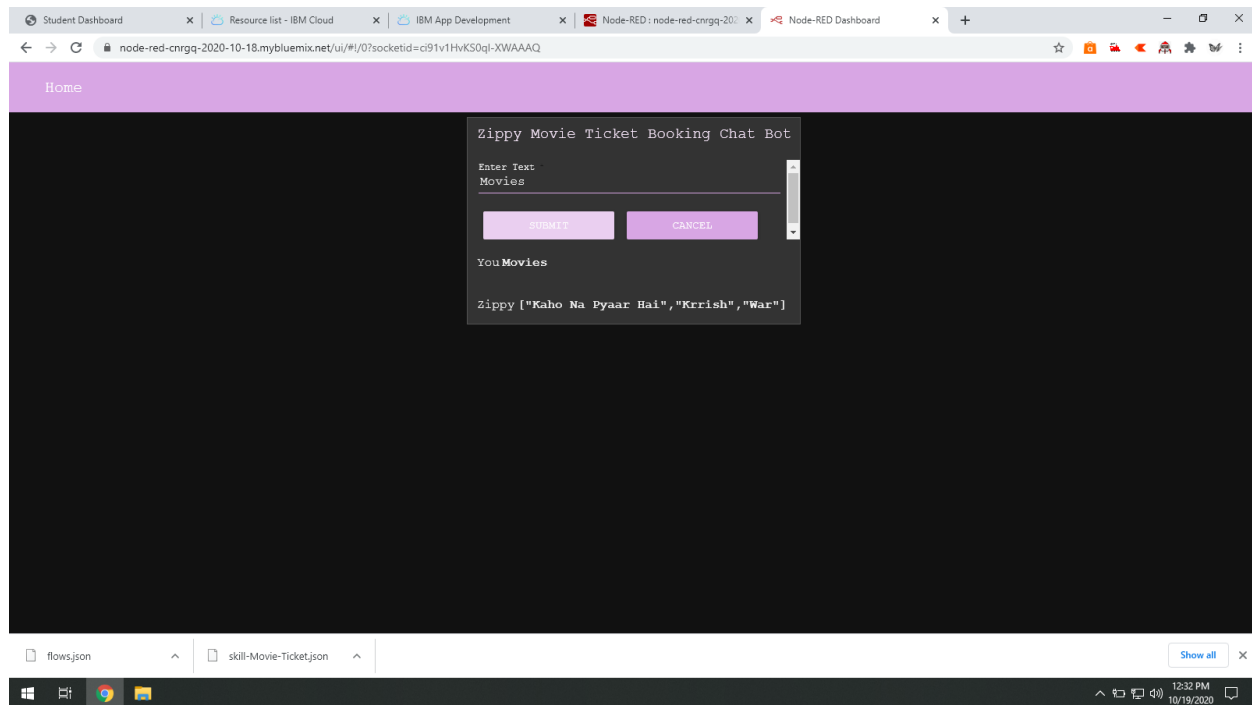
Enter Text: Good Morning

**SUBMIT** **CANCEL**

You Good Morning

Zippy ["Good Morning"]

The dashboard includes a file explorer at the bottom showing "flows.json" and "skill-Movie-Ticket.json".



Link for Node Red App: <https://node-red-cnrgq-2020-10-18.mybluemix.net/ui>

## Conclusion

Learnt Basics about IBM Watson Assistant and Node Red. The Project as interesting and innovative which helped in understanding how the Chat Bots work