

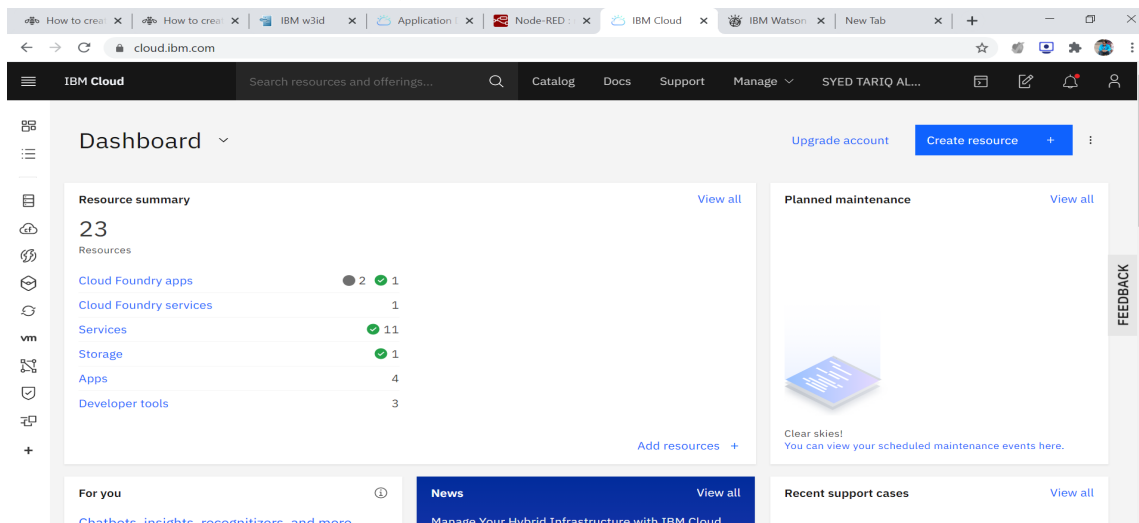
# Report on Movie Bot

## **Stage-1: Building chat bot**

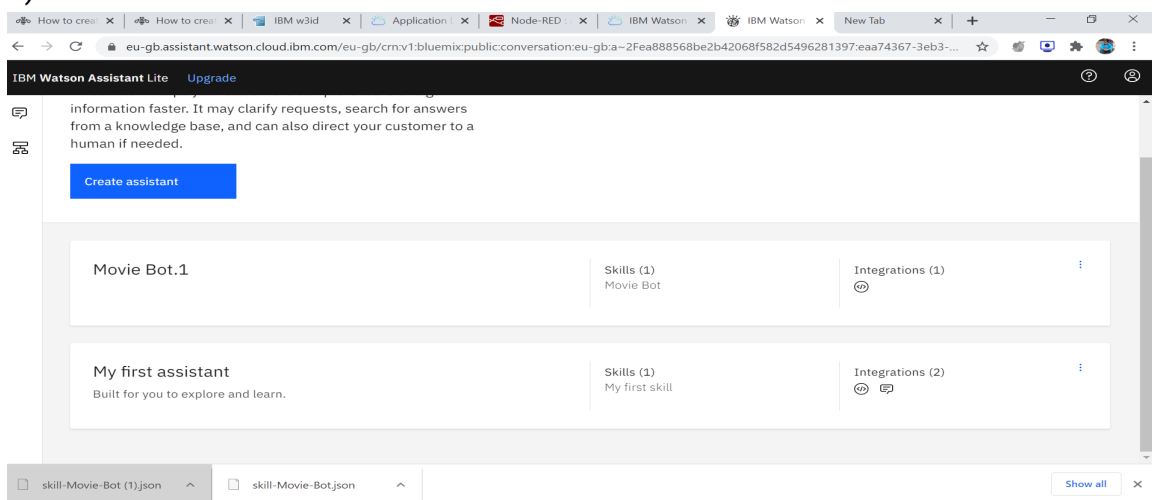
This stage include total 6 sub stages and all these stages have been completed. the code is uploaded to the github. The screen shot for all these stages are below,

### a) Log in to IBM Account:

For this stage, the account has been already created during the first part this training. As we pratictes on various task during the training sesions. Also created account as a educator to participate in the on going project-thron. Downloaded IBM desktop and subscribe channel to update about the upcoming events and it also help in the project development. The screenshot of IBM cloud account as show,



### b) Create Watson Assistant Servi



### c) List of intents created:

IBM Watson Assistant Lite Upgrade Learning center

Movie Bot Save new version Try it

Intents

| Intents (4) ↑                                      | Description | Modified ↑↓ | Examples ↑↓ |
|--|-------------|-------------|-------------|
| <input type="checkbox"/> #Book                     |             | 5 days ago  | 3           |
| <input type="checkbox"/> #Greetings                |             | 3 days ago  | 15          |
| <input type="checkbox"/> #list_of_movies_available |             | 3 days ago  | 8           |
| <input type="checkbox"/> #show_timing              |             | 3 days ago  | 6           |

Showing 1–4 of 4 intents 1 1 of 1 pages

skill-Movie-Bot (1).json skill-Movie-Bot.json Show all

### d) Entities created for movie bot:

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Entities

| Entity (9) ↑                                       | Values   | Modified ↑↓ |
|--|--|-------------|
| <input type="checkbox"/> @book                     | book   | 5 days ago  |
| <input type="checkbox"/> @Greetings                | Good day, Namaste, Salaam, Good Morning, Good Afternoon, Good Eve...   | 6 days ago  |
| <input type="checkbox"/> @movies_show_available    | Movie  | 5 days ago  |
| <input type="checkbox"/> @Payment                  | Cards, UPI, Internet banking   | 5 days ago  |
| <input type="checkbox"/> @seats_availabilities     | E-2, N-4, N-9, L-10, L-1, L-4, L-7, E-8, C-5, C-10                     | 5 days ago  |
| <input type="checkbox"/> @show                     | 4:00 PM, 7:00 PM, 4:25 PM, 10:00 AM, 2:25 PM, 1:00 PM, 8:30 PM, 5:1... | 5 days ago  |
| <input type="checkbox"/> @show_timing              | timing   | 5 days ago  |
| <input type="checkbox"/> @Tickets                  | ELONA HOLMES, NISHABDHAM, C U SOON, LAXMI BOMB                         | 5 days ago  |
| <input type="checkbox"/> @timing_of_selected_movie | ELONA, LAXMI, NISHA, C U   | 5 days ago  |

## e) System entities used:

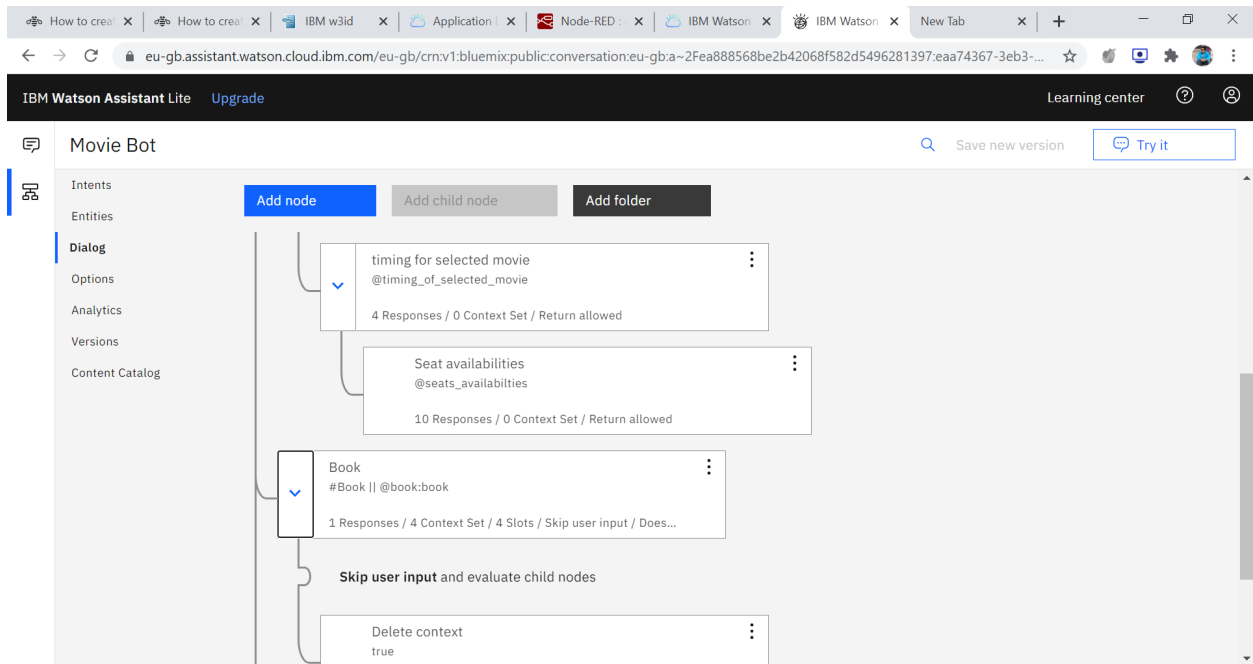
The screenshot shows the IBM Watson Assistant interface for a chatbot named 'Movie Bot'. The left sidebar contains a menu with 'Intents', 'Entities', 'My entities', 'System entities' (selected), 'Dialog', 'Options', 'Analytics', 'Versions', and 'Content Catalog'. The main area displays a table of prebuilt system entities. A text box above the table explains that these entities recognize references to things like numbers and dates, and that new system entities are available for better detection of dates, times, and numbers.

| Name (5)          | Description   | Status |
|-------------------|---|--------|
| ✓ @sys-number     | Extracts numbers mentioned from user examples as digits or written as numbers. (21)       | On     |
| ✓ @sys-percentage | Extracts amounts from user examples including the number and the % sign. (15%)            | Off    |
| ✓ @sys-currency   | Extracts currency values from user examples including the amount and the unit. (20 cents) | Off    |
| ✓ @sys-date       | Extracts date mentions (Friday)   | Off    |
| ✓ @sys-time       | Extracts time mentions (at 10)  | Off    |

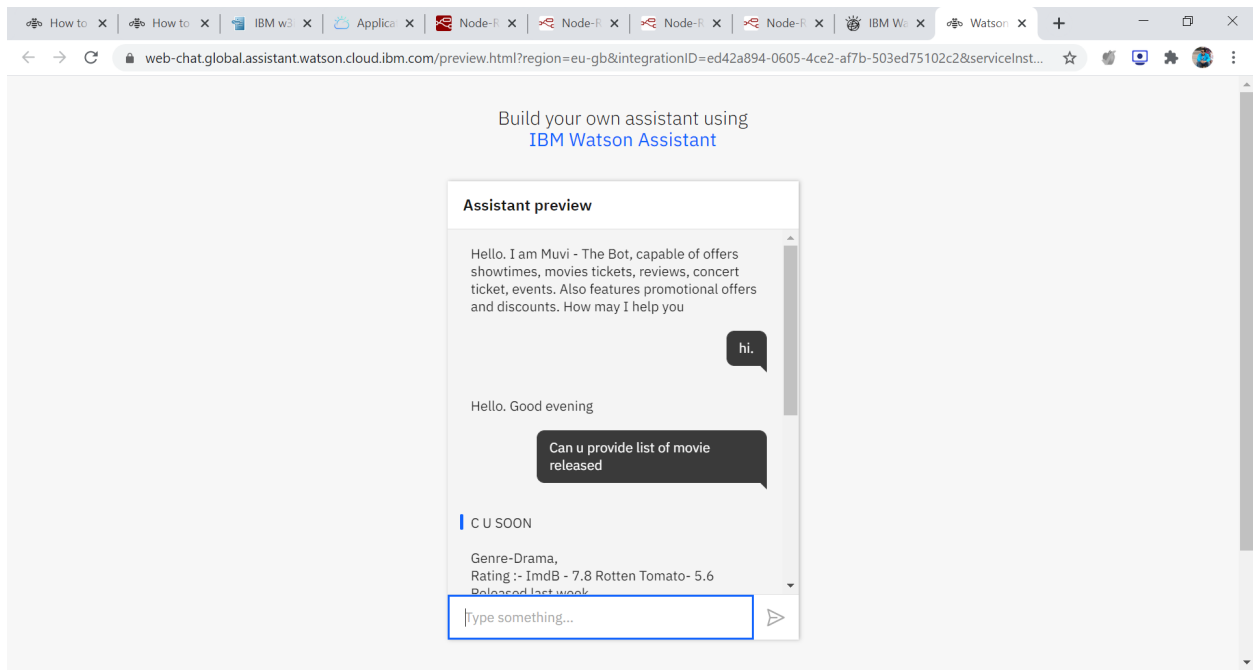
## f) Dialog used in chatbot:

The screenshot shows the IBM Watson Assistant interface for 'Movie Bot', specifically the 'Dialog' section. The left sidebar menu is the same as in the previous screenshot, with 'Dialog' selected. The main area displays a flowchart of the dialog nodes. At the top, there are buttons for 'Add node', 'Add child node', and 'Add folder'. The dialog nodes are listed in a vertical sequence, each with a title, a description, and a status. The first node is 'Welcome' with the response 'welcome'. The second node is 'Greeting' with the response '#Greetings || @Greetings'. The third node is 'movies available' with the response '#list\_of\_movies\_available || @movies\_show\_available'. The fourth node is 'Shows timing and seat availability' with the response '#show\_timing || @show\_timing'.

## g) Child nodes used in dialog :

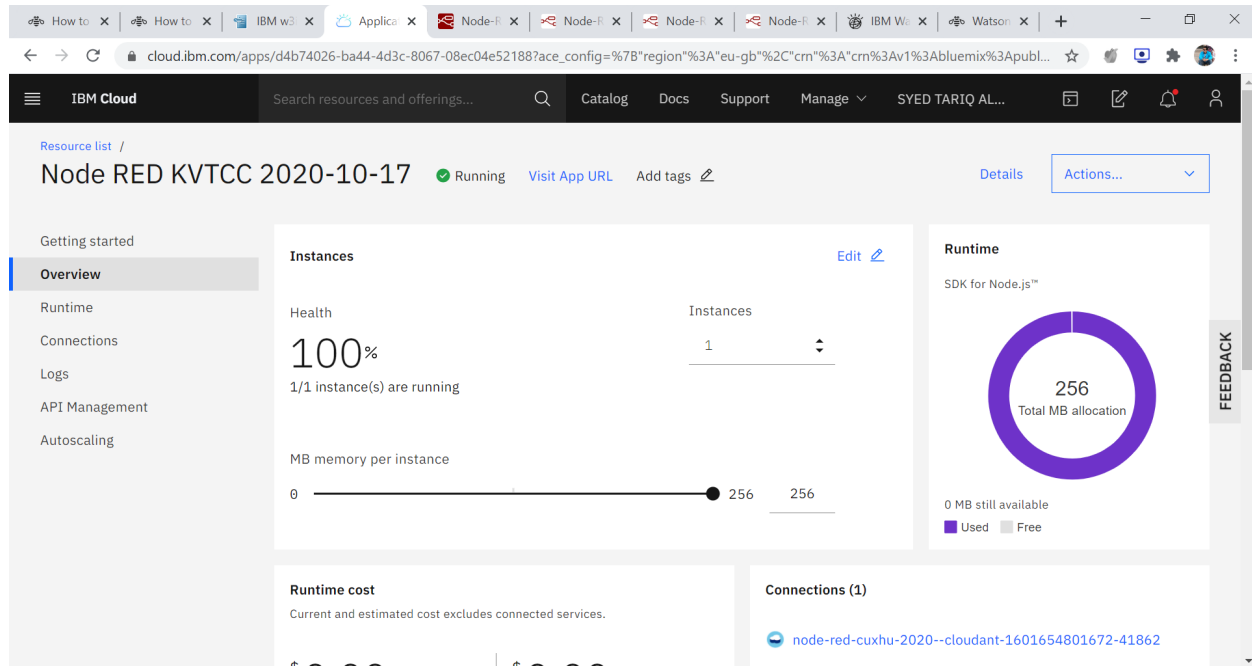


## h) Preview of chatbot:

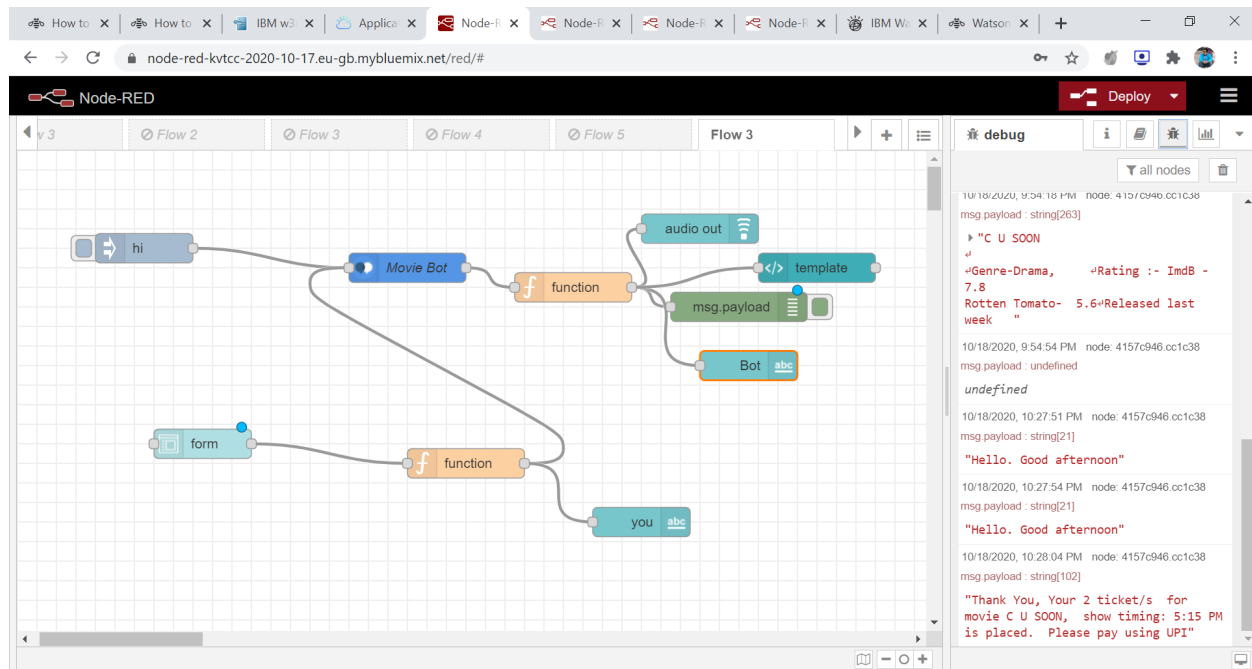


## Stage-2: Building Node-Red Application:

### a) Created node-red service



### b) Integrate Node Red service to Watson assistant service:



Final output :

