

SKILLS AND JOB RECOMMENDER

DEVELOPING A CHATBOT

Date	9 November 2022
Team ID	PNT2022TMID25160
Project Name	Skills/ Job Recommender Application

Build the Chatbot

Step 1: Login to IBM Cloud

The screenshot shows the IBM Cloud dashboard. The top navigation bar includes the IBM Cloud logo, a search bar, and links to Catalog, Manage, and the user's account (Thaslima Banu S's Acc...). The main content area is titled 'Dashboard' and features a 'For you' section with several cards: 'Build' (Explore IBM Cloud with this selection of easy starter tutorials and services), 'Get Started with Watson Studio' (Get started with using AI and Cloud Object Storage in 15 minutes), 'Build a web app with Watson Speech to Text' (Deploy a conversational interface compatible with any application, device, or channel), 'Explore IBM Cloud Shell' (Try a command-driven approach for creating, developing, and deploying a web project), and 'Get started with Watson Discovery' (Get up to speed on Watson Discovery with step-by-step tutorials, deep-dive videos, and complete examples of working code). Below these cards are sections for 'User access', 'Manage users', 'News' (All About IBM Storage's Price and Supply Guarantee), and 'Planned maintenance'.

Step 2: Search Watson Assistant

The screenshot shows the IBM Cloud catalog page for Watson Assistant. The page title is 'Watson Assistant' and it includes a description: 'Watson Assistant lets you build conversational interfaces into any application, device, or channel.' The 'Create' tab is selected, showing options to 'Select a location' (Sydney (au-syd)) and 'Select a pricing plan'. A table lists the pricing plans:

Plan	Features	Pricing
Lite	Everything you need to get started, free for as	Free

On the right side, there is a 'Summary' section for 'Watson Assistant' (Free) with details: Location: Sydney, Plan: Lite, Service name: Watson Assistant-83, and Resource group: Default. Below this is a checkbox for 'I have read and agree to the following license agreements:' with a link to 'Terms'. At the bottom, there are buttons for 'Create' and 'Add to estimate'.

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Step 3: Then Select the Launch Watson Assistant

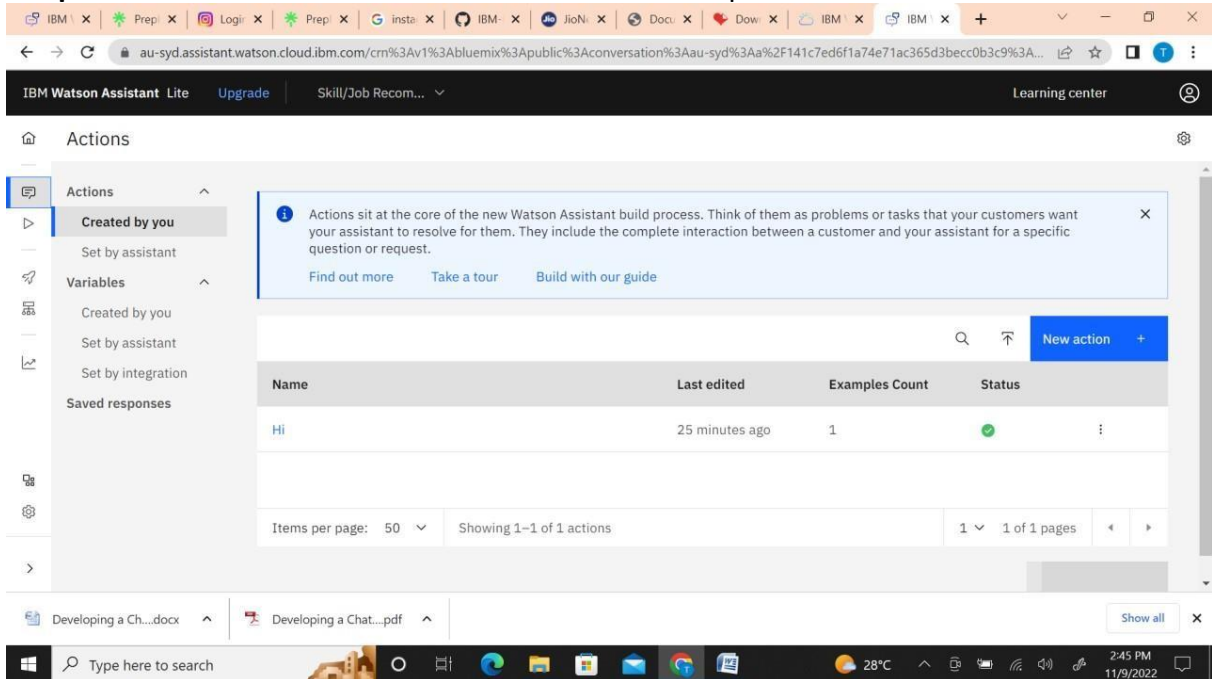
The screenshot shows the IBM Cloud Watson Assistant console. The main heading is "Watson Assistant-a1" with a green "Active" status and an "Add tags" link. On the left, a "Manage" sidebar includes "Service credentials", "Plan", and "Connections". The main content area has a "Start by launching the tool" section with a prominent blue "Launch Watson Assistant" button, a "Getting started tutorial" link, and an "API reference" link. To the right, a "Plan Lite" section shows an "Upgrade" button. Below this, a "Credentials" section displays the "API key" and "URL" fields, with "Download" and "Show credentials" links. The URL is "https://api.au-syd.assistant.watson.cloud.ibm.com/". The bottom of the screen shows a Windows taskbar with the time 2:36 PM on 11/9/2022.

Step 4: Then Get Started

The screenshot shows the IBM Watson Assistant Lite interface. The top navigation bar includes "IBM Watson Assistant Lite", "Upgrade", "Skill/Job Recomm...", and "Learning center". The main content area has a "Home" section with a "Welcome, you're in the new Watson Assistant!" message and a "Take a tour" button. Below this, three cards are displayed: "Faster build" (simplified build process), "Easy to use" (fully-functioning assistant), and "New features" (features to meet customer needs). Each card has a "Get started", "View documentation", or "See what's new" link. At the bottom, a "Skill/Job Recommender" section is shown with "English (US)" and "No description". The bottom of the screen shows a Windows taskbar with the time 2:44 PM on 11/9/2022.

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Step 5: Then create an action and then make some sample conversation.



The screenshot displays the IBM Watson Assistant interface, specifically the 'Actions' section. The left sidebar shows navigation options: 'Actions' (selected), 'Variables', and 'Saved responses'. Under 'Actions', there are sub-options: 'Created by you', 'Set by assistant', and 'Set by integration'. The main content area shows a table of actions. A blue informational box at the top explains that actions sit at the core of the new Watson Assistant build process. The table has columns for 'Name', 'Last edited', 'Examples Count', and 'Status'. One action is listed: 'Hi', edited '25 minutes ago', with '1' example and a 'Success' status. A 'New action' button is in the top right of the table. The bottom of the screen shows a Windows taskbar with the time 2:45 PM on 11/9/2022.

Name	Last edited	Examples Count	Status
Hi	25 minutes ago	1	Success

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Step 6: Then End the Action.

The screenshot shows the IBM Watson Assistant interface. The top bar includes 'IBM Watson Assistant Lite', 'Upgrade', 'Skill/Job Recom...', and 'Learning center'. The main area displays a conversation flow. On the left, 'Conversation steps' are listed: Step 1 (Hi! How can I help you in finding you a job?) and Step 2 (Are you a Fresher or Experienced in this Sector?). The right pane shows the 'Assistant says' section with the text 'Hi! How can I help you in finding you a job?'. Below this, a 'User enters free text' box is visible. The 'And then' section shows a 'Continue to next step' button. The bottom status bar shows the time as 2:46 PM on 11/9/2022.

Step 7: Embed the code.

The screenshot shows the IBM Watson Assistant interface with the 'Embed' tab selected. The top bar includes 'IBM Watson Assistant Lite', 'Upgrade', 'Skill/Job Recom...', and 'Learning center'. The main area displays the 'Embed on your website' section. It includes a code block with the following JavaScript code:

```
<script>
window.watsonAssistantChatOptions = {
  integrationID: "01ca5fe5-3f42-4a97-8965-332afedd97be", // The ID of this integration.
  region: "au-syd", // The region your integration is hosted in.
  serviceInstanceID: "5683f375-e95c-4fa1-8471-5b76177675c2", // 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/versions/" + (window.watsonAssistantChatOptions ?
  document.head.appendChild(t);
  });
</script>
```

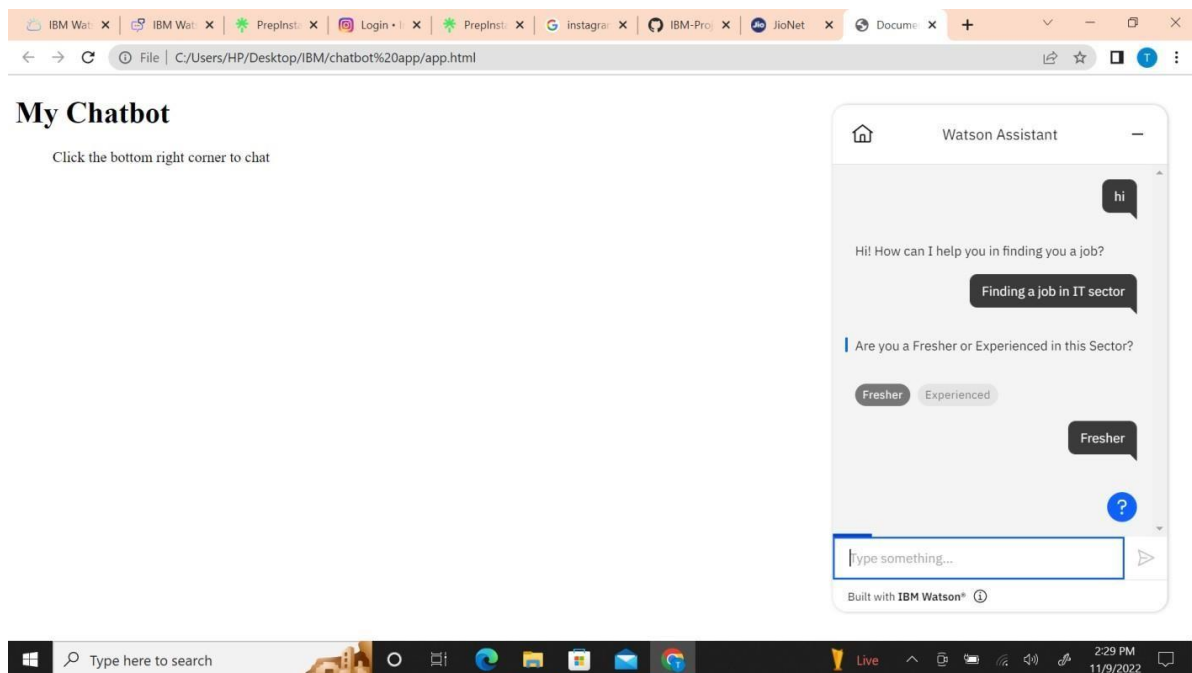
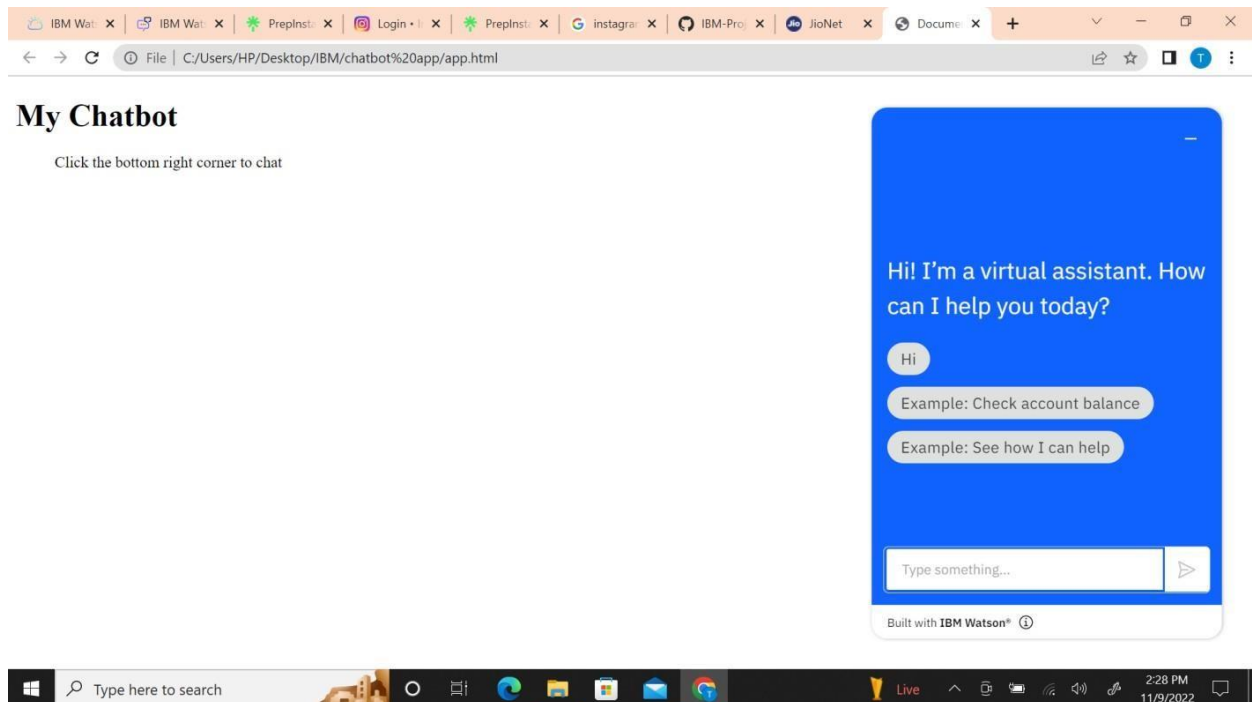
Below the code block is a 'Show more' link. The bottom status bar shows the time as 2:35 PM on 11/9/2022.

INTEGRATING CHATBOT TO HTML PAGE

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>
<body>
  <h1>My Chatbot</h1>
  <blockquote>Click the bottom right corner to chat</blockquote>
<script>
  window.watsonAssistantChatOptions = {
    integrationID: "01ca5fe5-3f42-4a97-8965-332afedd97be", // The ID of this integration.
    region: "au-syd", // The region your integration is hosted in.
    serviceInstanceID: "5683f375-e95c-4fa1-8471-5b76177675c2", // 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/versions/" +
(window.watsonAssistantChatOptions.clientVersion || 'latest') +
"/WatsonAssistantChatEntry.js";
    document.head.appendChild(t);
  });
</script>
</body>
</html>
```

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PREVIEW OF CHATBOT



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IBM Wat x IBM Wat x Preplnst x Login x Preplnst x instagra x IBM-Pro x JioNet x Docume x + -

File | C:/Users/HP/Desktop/IBM/chatbot%20app/app.html

My Chatbot

Click the bottom right corner to chat

Watson Assistant

What is your Specialization?

I am specialized in CSE

Where do you want to find your job(location)?

Chennai

What are your software skills you are well known in IT Sector?

UI SDE

Type something...

Built with IBM Watson®

28°C 2:30 PM 11/9/2022

IBM Wat x IBM Wat x Preplnst x Login x Preplnst x instagra x IBM-Pro x JioNet x Docume x + -

File | C:/Users/HP/Desktop/IBM/chatbot%20app/app.html

My Chatbot

Click the bottom right corner to chat

Watson Assistant

your question.

hi

Hi! How can I help you in finding you a job?

Finding a job in IT sector

Are you a Fresher or Experienced in this Sector?

Fresher Experienced

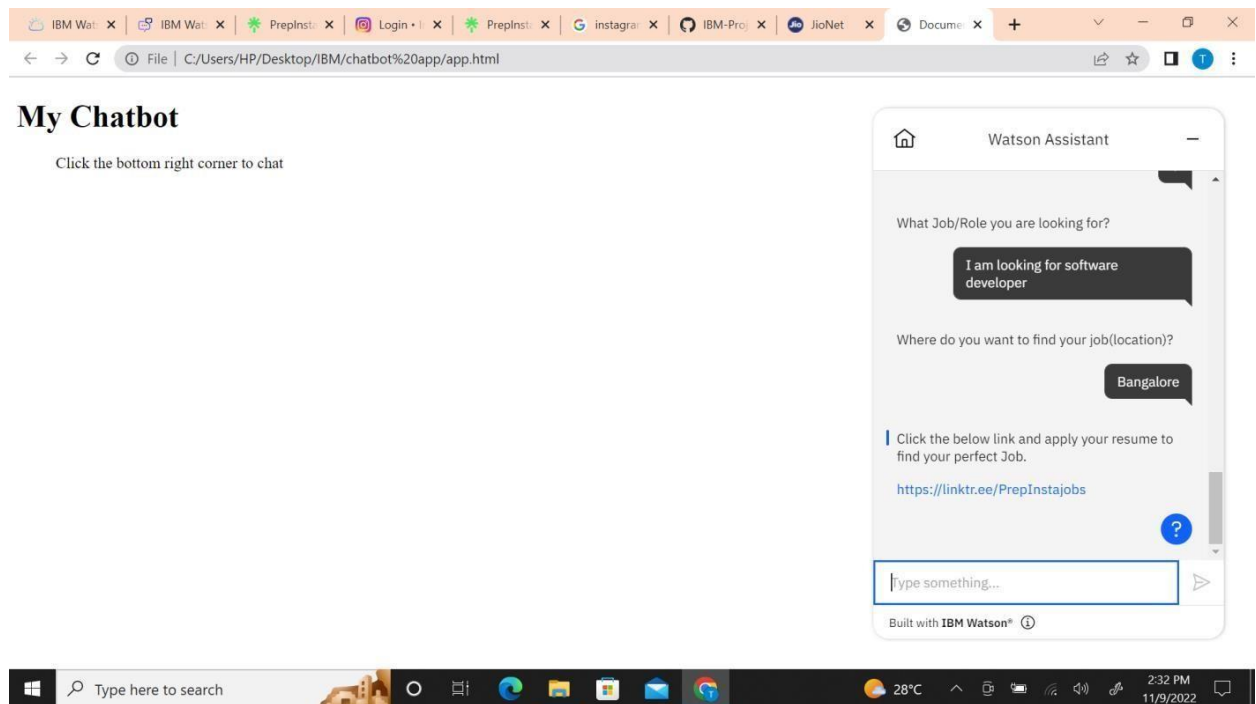
Experienced

Type something...

Built with IBM Watson®

28°C 2:31 PM 11/9/2022

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The Chatbot is created and integrated successfully.