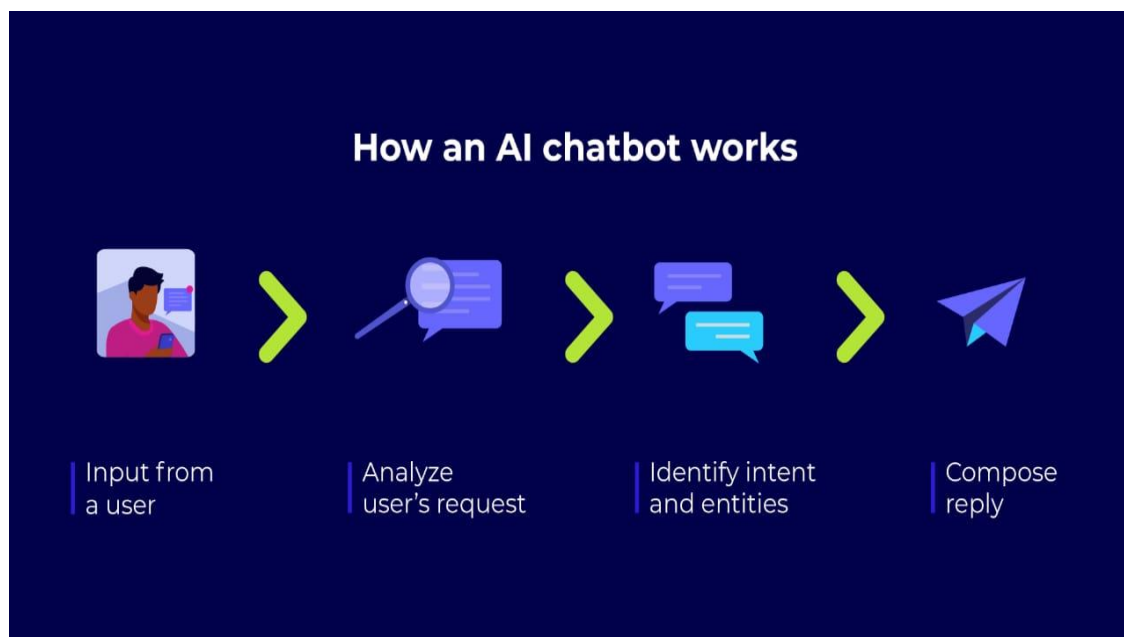


Project 6 : Chatbot Deployment with IBM Cloud Watson Assistant

Chatbot:

A chatbot developer is a person who develops applications that automate communication and customer services. As a chatbot developer, you create software applications that use artificial intelligence and machine learning to communicate with humans (customers) via text or audio.



Chatbot Developer Roles And Responsibilities:

- Collaborate with teams and other developers to design, develop, test, deploy, and maintain chatbot (virtual assistant).

- Use Artificial Intelligence, NLP technologies, and cognitive machine learning to develop chatbot applications.
- Maintain and enhance chatbot platform to meet changing needs.
- Integrate chatbot solutions with multiple platforms.
- Troubleshoot bots, debug, and deploy chatbots on various channels.
- Refactor or reengineer chatbot applications as per requirements.
- Enhance user effectiveness of chatbot with the help of advanced technologies.
- Involve in all the stages of chatbot development from architecting to implementing.
- Conduct Chatbot demo/training and other activities.
- Act as an expert on the various AI capabilities and actively participate in future product development opportunities.
- Continuously monitor performance, report on the progress, and define strategies for enhancements.

- Manage data coming from chatbot conversations and analyze them.
- Work closely with innovation labs, researchers, and chatbot team for enhancement and end-to-end development of product.
- Identify, analyze, and interpret the pattern, trends, and conversational flow in complex data sets.
- Design and implement processes and strategies to enhance the end-user experience.
- To become a chatbot developer, you will require a variety of skills and years of experience.
- this includes software development skills as well as AI capabilities.

Chatbot Developer Skills Or Skills Required For Chatbot Development:

Technical Skills:

- Years of experience building AI-powered chatbots from scratch using AI, ML, and NLP technologies.
- Must have knowledge of Google DialogFlow cognitive service, Rasa, Microsoft Bot, IBM Watson, and other chatbot development platforms.

- Sound knowledge of AI/chatbot development landscape, tools, and other frameworks.
- Hands-on experience working with LSTM and Transformer Networks.

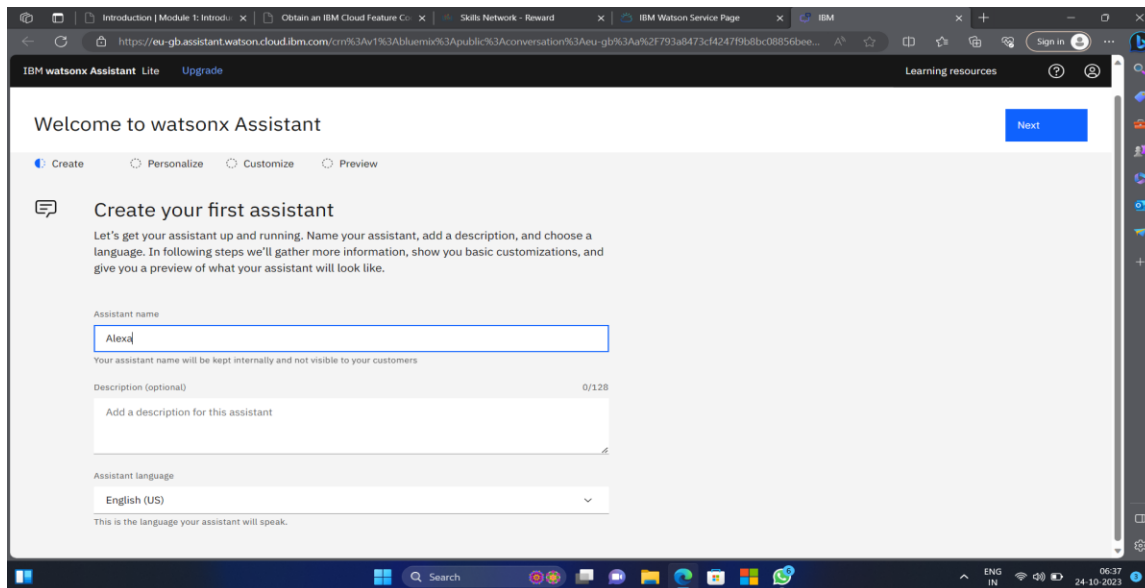


- Familiar with software development lifecycle and different approaches
- In-depth knowledge of conversational designs, flow, and automated speech recognition.
- Strong experience in developing any deep learning/AI products.
- Experience in algorithms, computer visions, knowledge management, and conversational AI.
- Familiarity with agile development processes and DevOps approaches.

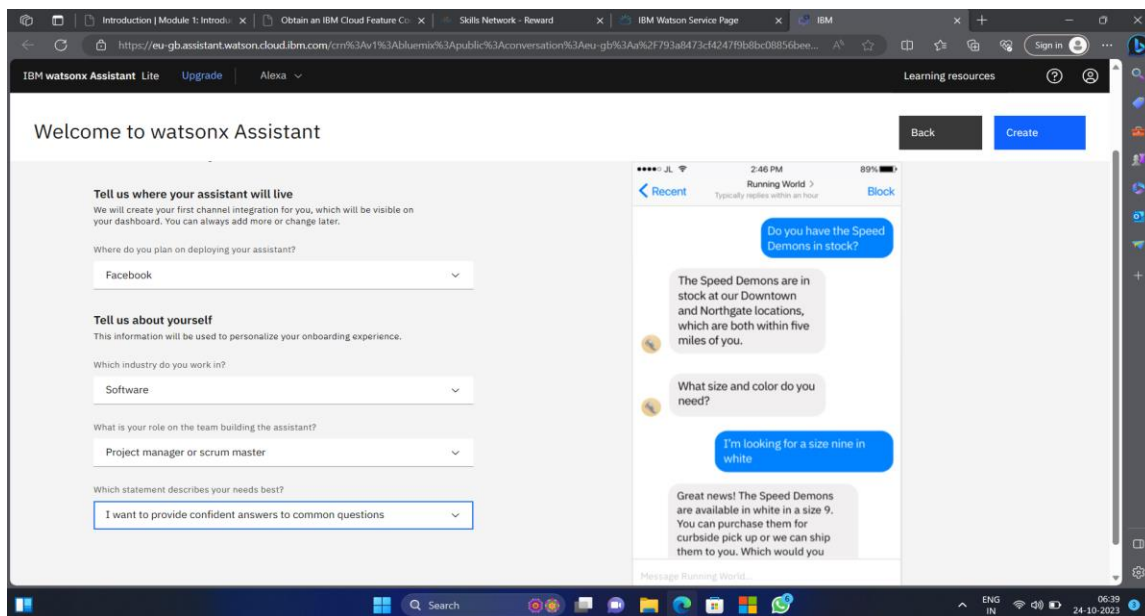
- Working knowledge of frontend technologies – HTML, CSS, JavaScript, JSON, and REST APIs
- Clean coding skills and best practices. Fundamental knowledge and experience in MySQL, MongoDB, or other databases.
- Understanding of end-to-end software development processes and business requirements.
- Strong multi-language background and experience working with programming languages such as Python, PHP, Java, Ruby, and AI Language.

Steps to be followed :

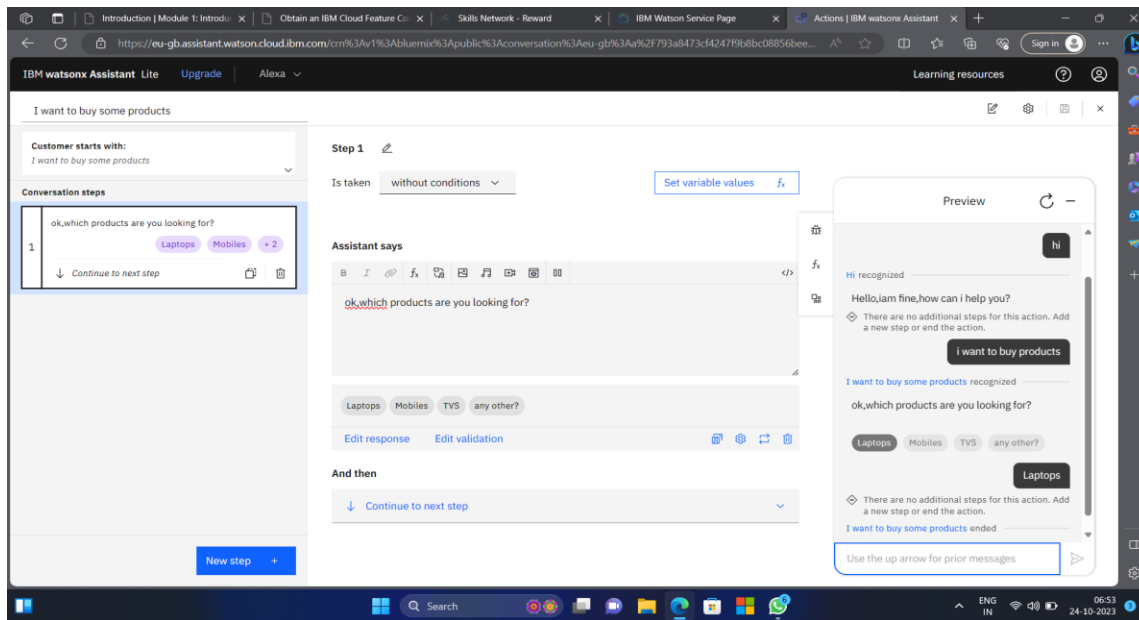
Step 1 :create your first Assistant.



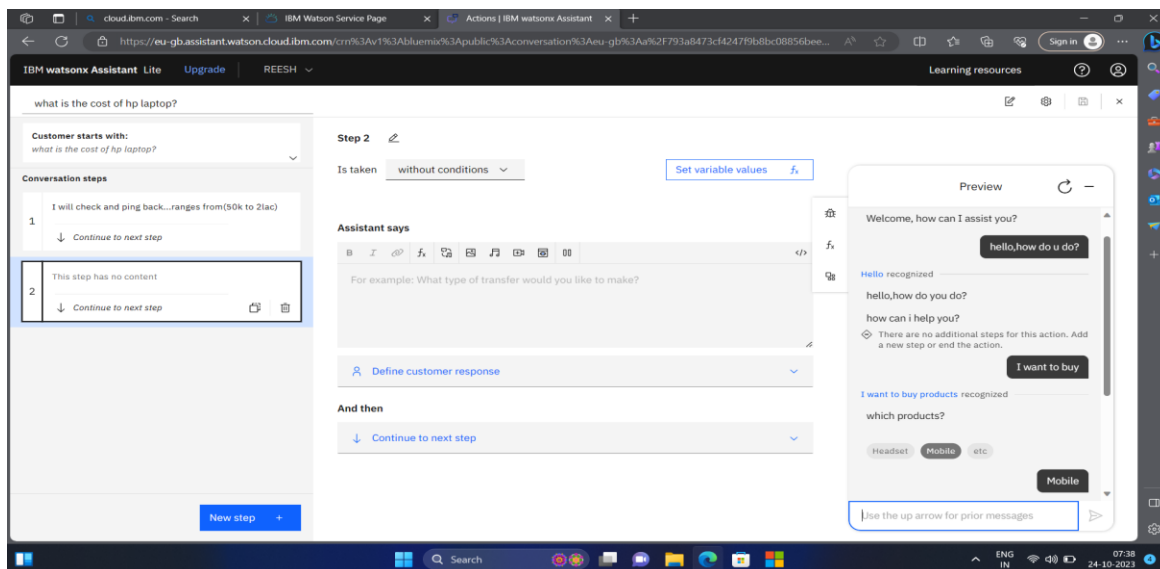
Step2: where do plan on deploying assistant.



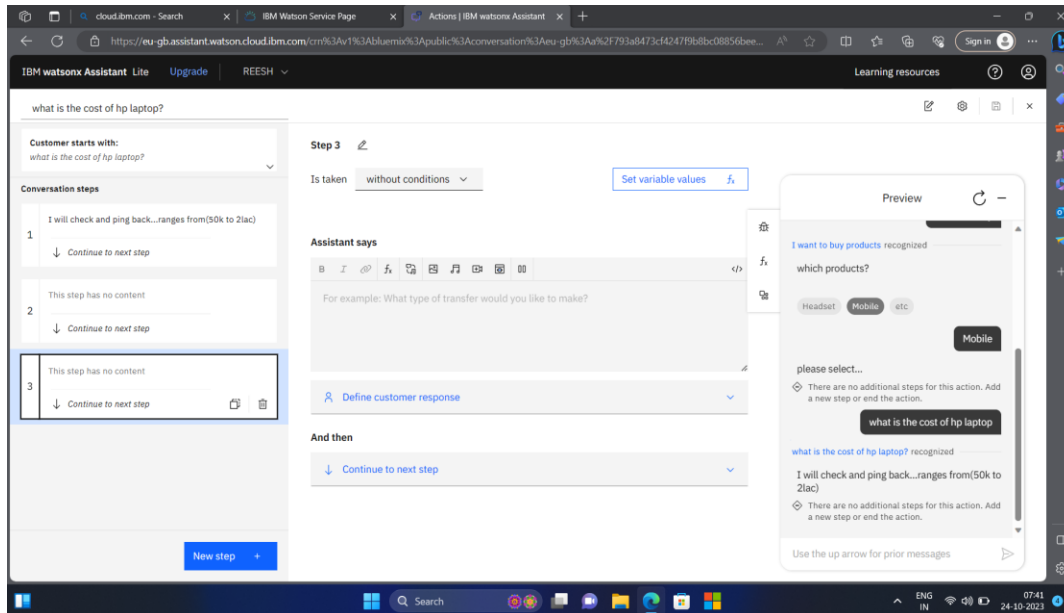
Step3: create an action



Step4: create a new step and then continue



Step5:chatbot preview



Conclusion :

In this project , A chatbot is one of the simple ways to transport data from a computer without having to think for proper keywords to look up in a search or browse several web pages to collect information; users can easily type their query in natural language and retrieve information.

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