

SMART FASHION RECOMMENDER APPLICATION

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ABSTRACT

- Nowadays, fashion applications and e-commerce are growing more and more and it also has some problems when finding the customer's wanted product in the web applications.
- Having a chatbot that understands the algorithm of a specific application can be of great aid.
- We are implementing such a chatbot in a web application, which is fed with the knowledge of the application's algorithm and helps the user completely from finding their needs to processing the payment and initiating delivery.
- It works as an advanced filter search that can bring the user what they want with the help of pictorial and named representation by getting simple user information and activities.

PROBLEM STATEMENT

Customer Point Of View:

- I am customer I'm trying to get 24/7 service and want quality products with time management but we cant get proper service.
- It tooks excess of time because lack of resolving issues and often changing of trends which makes me feel irritating so we cant able to purchase online products with proper guidance and also having inconvenient service while ordering the products.

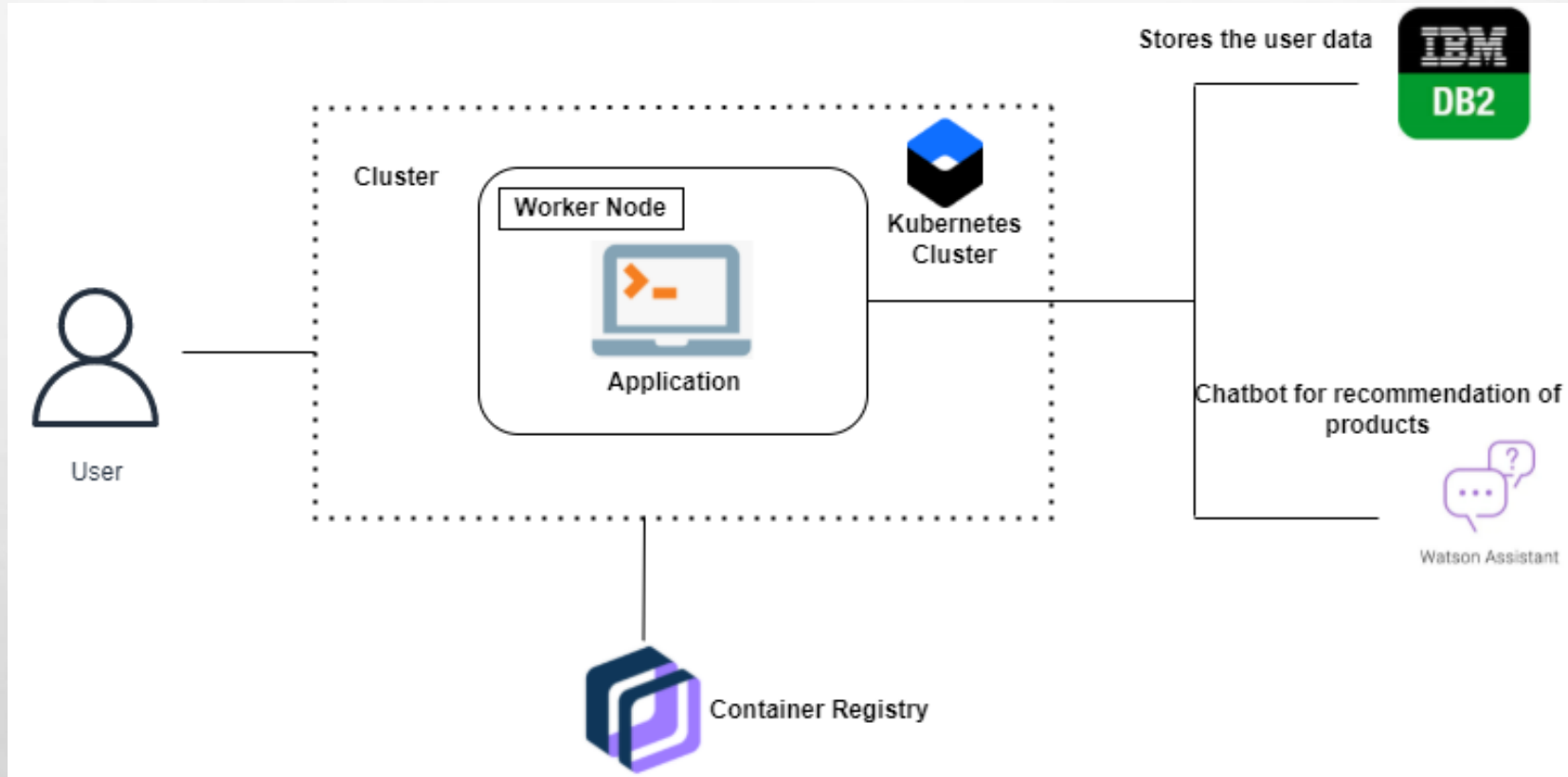
EXISTING SYSTEM

- This system is not much user-friendly as one needs to go to the market physically and then select items only from the available list.
- So mostly it is difficult to get the product as per our desire .
- Description About the products is less available and are mostly verbal only.
- For this type of shopping, one needs to have an ample amount of free time. Also, not really good markets exist everywhere, so many times good markets become out of reach for certain people.

PROPOSED SYSTEM

- Improve the effectiveness of customer service teams.
- Reduce the potential for human error.
- Collect candid and meaningful customer feedback.
- Guide customers along the path to purchase.
- Turns leads into sales (aka, boost conversion).
- Build stronger customer relationships

ARCHITECTURAL DIAGRAM



METHODOLOGY

Setting Up Application Environment:

- ❖ Create flask project
- ❖ Create ibm cloud account
- ❖ Install ibm cloud cli
- ❖ Docker cli installation
- ❖ Create an account in sendgrid



Implementing Web Application:

- ❖ Create UI to interact with the application
 - Registration page
 - Login page
 - View products page
 - Add products page
- ❖ Create IBM db2 and connect with python
 - Create the IBM db2 service in the IBM cloud and connect the python code with db.


Integrating Sendgrid Service:

- ❖ **To send emails from the application** we need to integrate the sendgrid service.

Developing A Chatbot:

- ❖ Build a chatbot with **IBM Watson Assistant** to recommend the fashion based on the taste of the users.

Login Form



Username

Password

☒ Remember me

[Forgot password?](#)

Register

Please fill in this form to create an account.

Username

Email

Password

Already have an account? [Sign in](#)

CATEGORIES

Womens

- chudidars
- Sarres
- Western Clothing


Men's

- T-Shirts
- Jackets
- Pants
- Jeans
- Shorts
- Coats


Kid's

- Girls-Frocks&Jumpsuits
- Boys-T Shirts
- Boys-Pants


T-Shirts!!



Rs.450



Rs.480



Rs.525

CATEGORIES


Womens

- chudidars
- Sarres
- Western Clothing


Men's

Kid's

Chudidars!!



Rs.450



Rs.480

Hi! I'm a virtual assistant. How can I help you today?

Built with IBM Watson®

Deployment Of App In IBM Cloud:

- ❖ Containerize a flask application by using docker and deploy it to the ibm cloud kubernetes service
 - **Containerize The App:**
Need to create A **Docker image** of your application and **push it to the ibm container registry**
 - **Upload Image To IBM Container Registry:**
Uploading Image To IBM Container Registry
 - **Deploy In Kubernetes Cluster:**
Once the image is uploaded to the ibm container registry deploy the image to ibm kubernetes cluster

CONCLUSION

- Chatbots are, first and foremost, customer self-service solutions. This basically means that they are there to help customers find information, learn about products and services, and get answers to simple questions on the fly.
- With a chatbot, your organization can easily offer high-quality support and conflict resolution any time of day, and for a large quantity of customers simultaneously.
- The use of chatbots can help businesses maintain a great level of consistency in answers and improve customer experience with the brand.

FUTURE SCOPE

- Chatbots are changing the way businesses communicate and understand their customers. With AI, chatbots will have the ability to deliver a more personalized customer experience.
- It's also saving companies money through customer service, internal processes, and marketing efforts.

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