

Developing a Travel Chatbot for a Solo Location

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Abstract

Chatbot is a computer application that interacts with users using natural language in a similar way to imitate a human travel agent. A successful implementation of a chatbot system can analyze user preferences and predict collective intelligence. In most cases, it can provide better user-centric recommendations. Hence, the chatbot is becoming an integral part of the future consumer services. This paper is an implementation of an Our proposed work travel Chatbot is on goa if anyone wants to visit goa how this travel Chatbot minimizes the user efforts all the information related to goa that hotels to stay, food, bookings, greatest offers, do nights all the bookings can be done using 100% safe sites that will not be harmful for user's device and privacy concerns.

Keywords: Chatbot, Computer application, Solo location, Computer Interaction Domain

INTRODUCTION

A key research topic in the Human-Computer Interaction Domain is the design and implementation of natural and intuitive interaction modalities. At the moment, there is a lot of interest in systems that can engage with users in their native language. The chatbot mimics a

real-world travel agent by speaking with the machine in a dialogic approach using natural language. The travel business is a very consumer-centric industry where the adage "Consumer is King" rings true. It's critical to keep the consumer pleased and satisfied.

With evolving technology and client demands, the only way to maintain and recruit new customers is to satisfy customer requests while still meeting technological needs. Many travel companies are investing in digitising their operations these days. It has become a need to stay in business.

This travel chatbot is available in Goa. If someone wishes to visit Goa, this travel chatbot reduces the user effort of referring to multiple sites and applications. If you visit other sites, it may damage your devices and financial accounts. This chatbot will assist you in finding 100 percent verified sites where you may book reservations and visit without allowing cookies to enter your phone/device.

STATEMENT OF THE PROBLEM

Making a Travel Chatbot from a single location:

There are some chatbots, but they do not travel. There isn't a chatbot. A travel bot that provides all of the information on one page eliminates the need for the user to visit or seek the best platform to purchase tickets. There are some sites that are built for online train/flight booking, but those sites are made of HTML, and those sites are not very trustworthy. Hence, the bot gives the users the verified links to the sites where a transaction is safe & for apps for a transaction, the apps take the permission to peek into the devices. With this bot, users can directly do transactions and log out the information from the site for safer purposes.

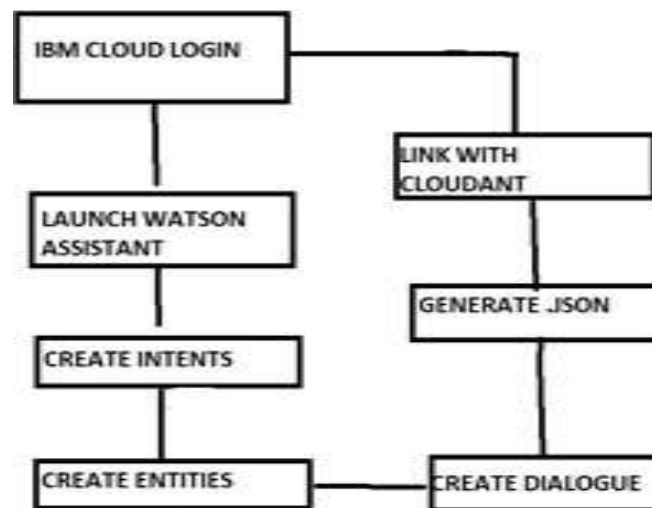
EXISTING WORK AND PROPOSED WORK COMPARISON

Table: 1 Comparison of existing Work and Proposed work

Existing work	Proposed work
It is not much user friendly	It is user friendly
It doesn't provide much privacy	It provides maximum privacy
It is doesn't provide much reliable sites for booking	It provides 100% verified sites

PROPOSED WORK

In Paper, a travel chatbot is on Goa, and if someone wants to visit Goa, how does this travel chatbot reduce user effort?



This graphic demonstrates:

- First, establish an IBM account.
- Then start Watson Assistant.
- Make intentions.
- Make entities.
- Make a conversation.
- Produce.json code
- Activate the deployment in cloudant.

WORK FLOW

In this article, we will look at how we constructed/built the chatbot and made an IBM cloud account, then we developed a service watson assistant and launched the Watson assistant, and last we generated a new skill.

Step 1:

(a) We titled the skill Goathan. We generated a new intent named greet, then an object named greet went to conversation flow, made a new node named greet, and set the assistant response to say hello hey.

Then we invented a new intent called asking.

Then I went to dialogue flow and made a new node called inquiring, specified the important spots to visit in Goa, and established a new intent called photos.

Step 2:

(a) Then, I made a new entity called pictures, went to the conversation flow, and made a new node called images, where I put all the renowned places with photographs.

(b) We generated a new intent called the hotel, and a new entity called a hotel.

(c) We proceeded to the discussion flow and built a new node called the hotel, along with photographs of the most renowned hotel names.

Step 3:

(a) We developed a new intent called low-cost hotels.

(b) formed a new company called low-cost hotels.

(c) We then proceeded to the conversation flow and established a new node called low rate hotels, and we assigned the best low rate hotels with photographs to it.

Step 4:

(a) We developed a new aim called the restaurant.

(b) Restaurant is a new entity.

(c) We then proceeded to the discussion flow and established a new node called the restaurant, and assigned the best restaurant with photos.

Step 5:

(a) We then generated a new intent called hotels booking as well as a new entity called hotels booking.

(b) We then proceeded to the conversation flow and established a new node called hotels booking and put the top hotels that bring amazing deals on hotel booking in Goa, along with photographs and a phone number.

Step 6:

(a) We developed a new intent called online hotel booking, as well as a new entity called online hotel booking.

(b) We then went to the conversation flow and built a new node called online hotel booking and set the best Sites for booking hotels online, as well as a new intent called online train booking.

Step 7:

(a) We then established a new company called online train booking.

(b) We then proceeded to the discussion flow and established a new node called online train booking, and assigned the best Sites for booking the train online.

Step 8:

(a) Added a new intent called DJ night online booking.

(b) We then established a new corporation called DJ night online booking.

(c) We then proceeded to the discourse flow and established a new node called DJ night online booking, as well as the finest Sites to book night booking online.

IMPLEMENTATION

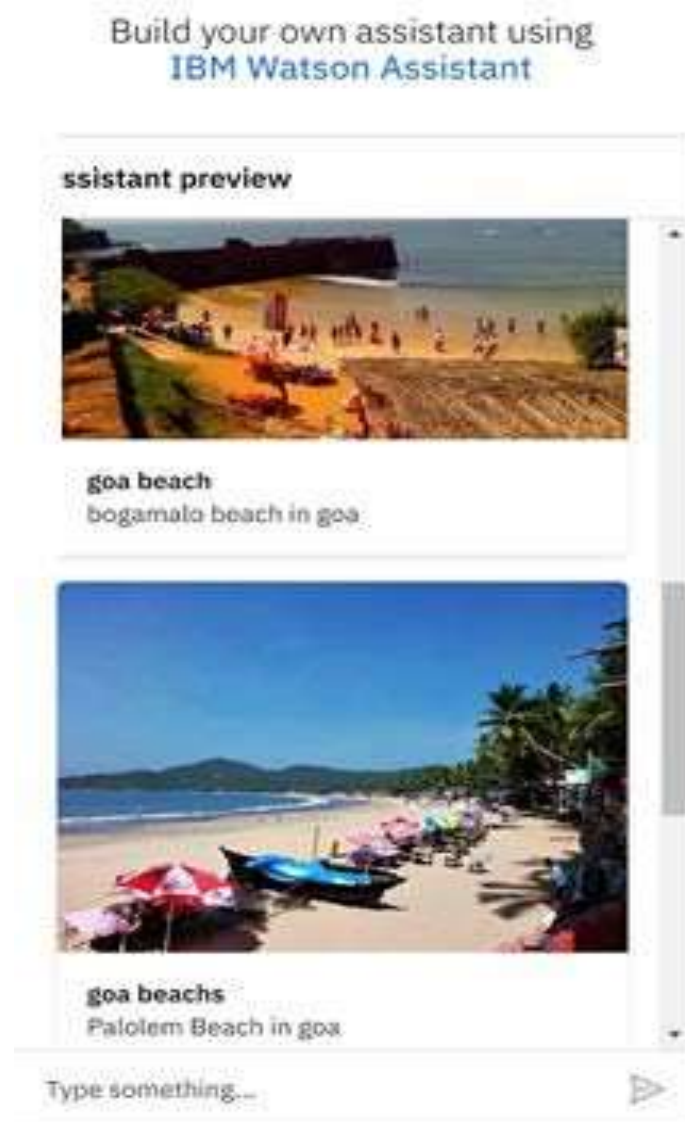


Figure: 2 Screen-short of Chatbot

Existing work graph:

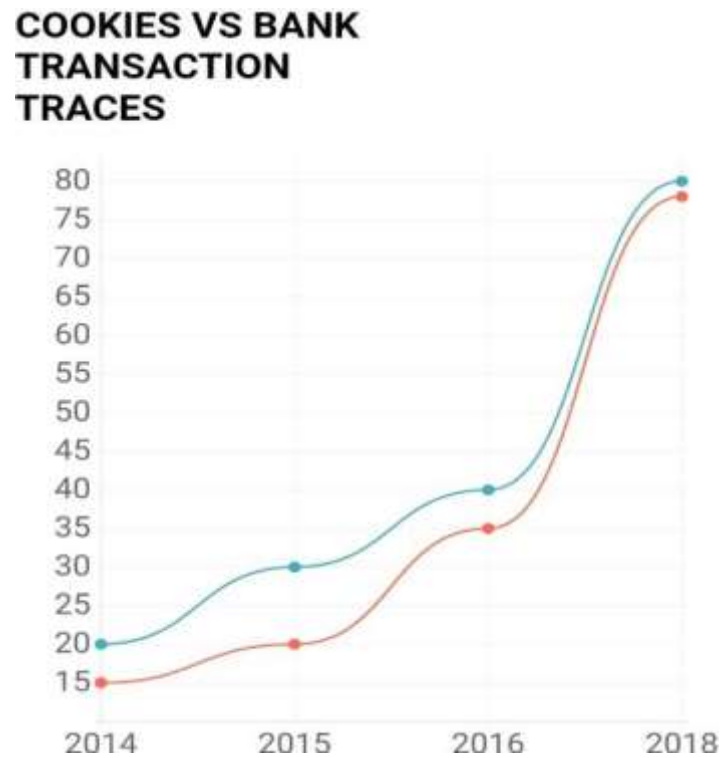


Figure: 3 Existing work graph

Proposed work graph:



Figure: 4 Proposed work graph

This graph depicts how online booking sites monitor users' bank account credentials, and cookies are the key element on these sites that allow hackers to peek into bank accounts. At the same time, the travel bot will assist in minimising the peering into the user's bank account.

CONCLUSION

In this article, we will discuss how to conduct a secure trade and a safety talk. There are apps to book and do online transactions, but the apps require permission from the user, and if the user does not agree to the terms and conditions, the app will not run, and there are many privacy concerns when doing online transactions. The bot will provide verified sites to book the hotels/flights/trains.

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