

DORA : The Travel Assistant

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Abstract—In this paper we introduce Voice text Command device (VTCD) a universe voice control solution for nonvisual access to the Android operating system. The reader, which transform digital information to text and then to voice by TTS (Text –To-Speech), is widely used to help visually impaired persons to operates devices. The systems, integrates open source and also enhances many functions of them. It include the message reader, text file reader, OCR reader, voice dialer. In addition, it provide the navigation Reader for walking and riding, which is based on Google maps and supports more detailed voice guidance for the distance to a destination and direction. chat bots are an intelligent system being developed using artificial intelligent (AI) and natural language processing (NLP) algorithms.

I. INTRODUCTION

A travel assistance Voice Text chatbot interacts on a format similar to instant messaging. While a bot is a computer's ability to understand human text & speech easily. It allows a interaction between a human & machine for communication purpose, which happens via messages or voice command. In this application user is able to access the services of smart phone with their voice & text command.

User can easily send a message & get the response immediately from the chatbot & their contact list as well as to the mobile number by voice & text command. Chapter 1 In this Project physically disable person & person who are uneducated can also use smartphone or how to access the smart phone can easily access phone with their voice or speech command. This application includes the functions of voice & text services.

DORA The travel assistant chatbot is nothing but a software that would perform automatic tasks. A bot is a computer's ability to understand human speech or text. A chatbot is a program that is used to simulates human conversations. DORA would take the input and process it to get the desired output using natural language processing.

II. REVIEW OF LITERATURE

In existing system, chatbot takes input in the form of text command through chatbot application, analyses that input using Natural LanguageProcessing techniques to find out what the user is trying to say or ask and responds accordingly. The travel chatbot is built to take all necessary inputs from the user to predict the relevant and accurate answers to the users.

The chatbot will help the user for tourist purpose. The bot tells about the nearby places like restaurants, hotels. In the existing system the user needs to book tickets by himself. The

user has to do through a login form, enter details, or book tours and travels services. This long and manual process becomes very difficult and time consuming. Lots of planning is required for traveling.

III. REQUIREMENT ANALYSIS

1. Functional Requirements

2. Non – Functional Requirements

1. Functional Requirements:

- Understand your users.
- Allow unregistered users to register on the application and
- save their details to the database.
- The Chat bot will assist users with their queries and carry out
- appropriate actions such as scheduling tour.
- Users will be able to converse with the Chat bot through
- voice or text commands and it will understand what the user
- is saying through natural language understanding processing
- provided through the integration of Dialog flow API.
- Define meaningful user groups/personas.
- Determine user goals.
- Map user groups, goals and system actions.

2. Non-Functional Requirements:

The product should be open-source.

- The chatbot must be efficient with very little lag in response
- time for instance no longer than 5 seconds to reply to a user
- message.
- Talking to the bot should feel like talking to a person.
- The chatbot must be reliable with next to no faults or bugs.
- The database must be scalable to adopt to a growing

IV. STUDY OF EXISTING SYSTEM

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sports or camel or bike rides at the Alibaug and Nagaon beaches. The next day go exploring the important Kolaba and Murud-Janjira forts and end the day with a nice local fish or vegetarian thali at Hotel Sanman, one of the most famous eateries in Alibaug. On day three, head about 32 kilometres away to Kashid Beach where you can enjoy surfing and spot a few dolphins.

Day 2, Dahanu-Bordi Beach
Located along the Thane coastline, the Dahanu-Bordi Beach is a calm and serene beach that is not yet explored to its fullest. Ideal for a three day trip from Mumbai, here you can go trekking, explore the pristine beaches and even enjoy a few water sports. Since the beach is located about a three-hour drive away from Mumbai, you have enough time to explore the beach town in two days; you can save the third day to just relax and unwind in nature's company before you get back to the grind.

Day 3, Ganpatipule
The drive to Ganpatipule takes about seven hours, so to reach by mid-day, you will have to leave Mumbai early in the morning. On your first day, you're bound to be a little tired, so do some light walking around villages to experience local culture.

On the second day, head out to the beach and spend the whole morning swimming or just relaxing by the beach side. Save the third day for visiting one of the most important temples in Maharashtra, the Swayambhu Ganesh Temple. While you're there, enjoy local delicacies at one of the many restaurants near the temple.

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Alibaug is a dainty little beach town that is perfect for a three-day trip or a weekend getaway. On your first day here indulge in water sports or camel or bike rides at the Alibaug and Nagaon beaches. The next day go exploring the important Kolaba and Murud-Janjira forts and end the day with a nice local fish or vegetarian thali at Hotel Sanman, one of the most famous eateries in Alibaug. On day three, head about 32 kilometres away to Kashid Beach where you can enjoy surfing and spot a few dolphins.  
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VIII.APPLICATION

- It Can be Used for planning trip.
- It Can be used for booking Train, Bus, Cabs, Hotels.

- It Can be used widely used in travel and tourism industry.
- It is providing us a readily available information
- Source without taking any physical efforts.
- It is easily accessible and saving time and money also.

IX. CONCLUSION

The purpose of a chatbot system is to simulate a human conversation. Its architecture integrates a language model and computational algorithm to emulate information online communication between a human and a computer using natural language. The low interaction time reflects the high understanding and speech recognition rates, offered through the adoption of conversational user interfaces thus allowing users to freely interact with the chatbot to meet the demands of modern life. The chatbot has proven to fulfil the demand of users wanting instant access and availability information and services.

X. REFERENCES

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