

Chatbot Using PHP

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Abstract- This paper describes simple project i.e., Chatbot Application with Suggestion Feature. This is often a web-based application project developed in PHP and database created in MySQL. This application could act as an easy Chatbot Application for any website. This application is developed to offer new programmers a thought of a way to produce a Chatbot Feature for his or her current or future PHP projects. This was developed with Bootstrap Framework and AdminLTE example. It consists of straightforward and easy options and functionalities.

Keywords—Chatbot, PHP, Bootstrap, AdminLTE MySQL Database, E-Learning.

I.INTRODUCTION

This Chatbot Application with suggestion feature can be easily accessed by the Admin of the Site Management and also by the public in hassle freeway. By using this application, users and visitors who can simply query anything at the chat box which can also be called as conversation box.

This Chatbot can help the teachers and student in the E-Learning. As due to pandemic most of the schools and universities tended to educate the students using online means. Because of which there arises lots of drawbacks in this process. The main drawback of which is that it creates atmosphere of less interaction between the students and the teachers. To minimize that barrier between teachers and students the chatbot is the most effective tool as it can solve the queries of the students without any help of the human intervention using this simple chatbot. This type of chatbot can be useful to both the teachers and students to solve their doubts and queries quite easily in hassle free manner. There are lot of papers available currently on the topic chatbot, but they are slightly complicated to implement as they use various AIML techniques which makes implementation part difficult for the beginners.

II.PROPOSED MODEL

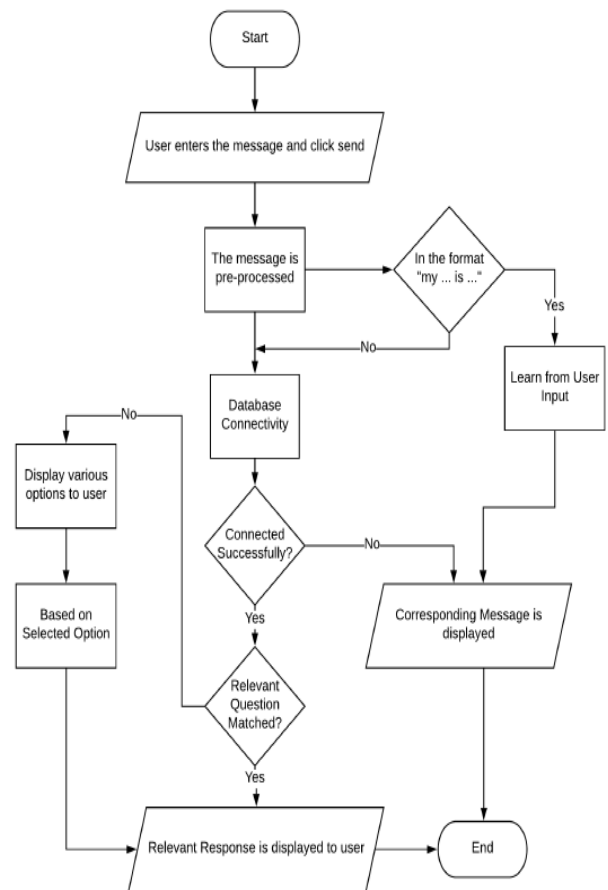
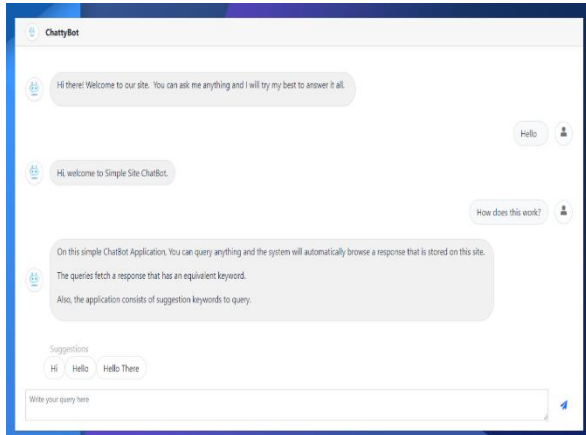


Fig.1-Flowchart

The above flowchart of the implemented system describes how the working of the chatbot is achieved. At the initial stage the user message is obtained and connectivity to database is obtained. And then after based upon the conditions satisfied the output is processed and displayed to the user on the display screen.

PHP language is used to achieve all the above scenario with MySQL database connectivity.

III.DESIGN OF CHATBOT



The design of chatbot viz, GUI (Graphical User Interface) is an important feature of any system. The implementation of the chatbot is developed in PHP, HTML, CSS, JavaScript, Bootstrap, jQuery, Ajax, Font Awesome and AdminLTE.

Ajax is used to call and get response from PHP file, whereas jQuery is used to display the messages to the user.

IV.IMPLEMENTATION PROCESS

The chatbot application with suggestion feature is web-based application which can be accessed by site management and by the users. The suggestion features provide suggestion to the enquirer or the user. Each one of the suggestions appearing on the screen is linked to the responses.

Database Design

Database Design is one of the most important parts for development of any system.

The database is created in such a fashion as shown in the below image.

Table	Action	Rows	Type	Collation	Size	Overhead
keyword_fetched	Browse Structure Search Insert Empty Drop	13	InnoDB	utf8mb4_general_ci	32.0 KiB	-
keyword_list	Browse Structure Search Insert Empty Drop	10	InnoDB	utf8mb4_general_ci	32.0 KiB	-
response_list	Browse Structure Search Insert Empty Drop	7	InnoDB	utf8mb4_general_ci	16.0 KiB	-
suggestion_list	Browse Structure Search Insert Empty Drop	12	InnoDB	utf8mb4_general_ci	32.0 KiB	-
system_info	Browse Structure Search Insert Empty Drop	9	InnoDB	utf8mb4_general_ci	16.0 KiB	-
users	Browse Structure Search Insert Empty Drop	2	InnoDB	utf8mb4_general_ci	16.0 KiB	-
6 tables	Sum	53	InnoDB	utf8mb4_general_ci	144.0 KiB	0 B

Fig. 2- Database Structure

A. Working of Project

1. Receiving the user's message.

2. Checking each word of the message if it is correctly spelled or not.
3. Split the message into words.
4. Checking if the words are present in the database or not by using regular expression.
5. If the response is present in the database according to the words, we are currently searching in the database send response to the user and display it on the user screen.

V.FEATURES OF CHATBOT

- Admin Panel
- Home Page
- Display the summary.
- Response Management
 - Add New Response
 - List All Responses
 - Manage the Response Keywords
 - Manage the Response Suggestions
 - View Response Details
 - Edit Response Details
 - Delete Response
- Generate Printable Response Report
- User Management
 - Add New User
 - List All Users
 - View User Details
 - Edit User Details
 - Delete User Details
- Update System Information
- Update Account Details/Credentials
- Login and Logout

VI.CONCLUSION

Chatbot acts as a best tool which provide one of the quick ways to interact with users. It is very helpful for the users as it accepts the user input in natural language and desired information is obtained by the users requesting for queries. It is the most important function of every business. With chatbots, you can pre-qualify your leads and automate your sales funnel. You can do so by sending the leads right into your CRM (Customer Relationship Management) or transfer to the sales reps to assist them further.

VII.FUTURE SCOPE

This project can be integrated with various schools and universities and again with other services. It can be made better by using the AIML in the implementation of the project as it has very wide scope.

VIII.ACKNOWLEDGMENT

I would like to express my deep gratitude to Dr. Surekha Kohle, for her patient guidance, enthusiastic encouragement and useful critics of this research work on the papers as well as the whole college faculties from MCA Department of VJTI college, also for their benevolent guidance and kind co-operation throughout my Research paper. I wish to express my deep gratitude to all the concerned persons, whose enthusiastic support and co-ordination have given me the success to complete my research.

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