CHATBOT for Project Management

Project Overview

It is an AI chatbot that receives questions from employee and tries to understand the question which is asked related to project management details, and provides the answers. It does this by converting an English sentence into a machine-friendly query, it then going through relevant data to find the necessary information, like Project details, Project type, Client details, etc. and finally returning the specific answers to the authorized employee.In other words, it answers your questions like a human does.

Problem and Solution Statement

Employees use many project management tools like HRInnova, which helps to keep track of all the employees and project details. Chatbot for Project Management is a better way of Project tracking other than using the application or any tool. By using the tools, employees have to manually check that information by opening that application. And chatbot is the easy option for them. They can easily ask the questions to the bot and find the result related to their projects.

Benchmark (How this solution is better? compare)

The product is supposed to be an open source. Chat for project management will help employee to make a request application in an easy way, and get response quickly without involving human at all. It will be hosted to the available channel Skype. This bot is capable of taking a natural language question related to project management and it will provide the answers of the specified projects to the employees. Bot can extract the information from the database and then give the project details like, project types, sprint details, project summary and many more.

Implementation strategy

Bot for project management is a chatbot, it is an AI chatbot that receives questions and answer with the help of Luis, Luis is a language understanding intelligent service, which offers a fast and effective way of adding language understanding to applications. I have used Microsoft Bot Framework to develop chatbot. It provides just what you need to build and connect intelligent bots that interact naturally wherever the employees are talking. The analysis of the domain for project management was the first process to be carried out. The initial development of project involved research and to get more information how to make a chat bot more intelligent so that it can easily answer different questions regarding project management asked by employee in fast and accurate way. The second phase of the development includes the development of bot which is capable of chatting with user, and provide answer with appropriate correctness, Creating Multiple dialogue flow so that it can move from one domain to other while chatting .Next was Creating From Flow so that we can get all required fields from user, in more interactive way with some UI, List, This Phase also include connecting bot framework with Luis, to provide some intelligence to bot, finding out entity, utterance, phrase list from questions.The third phase and important phase of development included the connection between the bot with API and API calling database for specify data requirements and the last phase is to deploy the chatbot on Skype.

Contributors

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| Name | Roll no | Contact No | Email |
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Approval/Comments by Guide: