Assignment 9 Write-up

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I have created a basic tutorial to an API called Dialogflow. It is an interactive chatbot made from Google, and it can be integrated into various applications including one's own projects such as websites. As I have implemented this API for my final project website, and as I am very interested in bots, I wanted to create this tutorial for other people to also understand more about the tool. This chatbot also provides better user experience as the application is not only more interactive, but it will understand the users' needs and wants, and strive to address solutions to the users' pain points.

For the demo, I made a video tutorial from screen-recording. I start with the basic concepts of Dialogflow and run through the different functions, how to train a bot, and how it could be implemented into different applications as an API. Though I did not go in-depth as it requires a large dataset, I have also explained how this API could be used to track, manage, and analyze the users' inputs as data. As data analytics such as machine learning is a hot topic these days, I wanted to cover the whole spectrum of using Dialogflow to provide an interactive tool to assist the users in an application to understanding and analyzing the users' requests and commands.

I have included the basic simple code from the demo in the Github under the file name demo.html
The folder myProjectDemo is my project that contains the integration of Dialogflow to give you a better feel of how it is implemented in personal projects.
Resources folder contains further, more technical code, to Dialogflow
- fulfillment.js: Add fulfillment functionalities of the Dialogflow, such as today's weather forecast, where the agent has to retrieve the information outside the training intents, in your application by manually managing the code
- weather.json: The data for the fulfillment is received through a JSON file. weather.json file is an example of a typical JSON request for the case where the user wants to know about the weather information.
- contexts.json: With any testing, it is required for you to have contexts. This file contains a list of contexts that could be completed from fulfimment or json

Link to demo
https://youtu.be/uIGeUFkfkPs

Link to code
https://github.com/jypark14/assignment_9.git