'use strict';

const axios = require('axios');

const functions = require('firebase-functions');

const admin=require('firebase-admin');

const {WebhookClient} = require('dialogflow-fulfillment');

const {Card, Suggestion} = require('dialogflow-fulfillment');

admin.initializeApp(functions.config().firebase);

var db=admin.firestore();

process.env.DEBUG = 'dialogflow:debug'; // enables lib debugging statements

exports.dialogflowFirebaseFulfillment = functions.https.onRequest((request, response) => {

const agent = new WebhookClient({ request, response });

console.log('Dialogflow Request headers: ' + JSON.stringify(request.headers));

console.log('Dialogflow Request body: ' + JSON.stringify(request.body));

function rymingwordhandler(agent){

const word =agent.parameters.word;

axios.post('http://134.119.194.12:5000/disease/', {

's1': 'Buy the milk'

})

.then((res) => {

console.log(`statusCode: ${res.statusCode}`);

console.log(res);

})

.catch((error) => {

console.error(error);

});

}

function welcome(agent) {

agent.add(`Welcome to my agent!`);

}

function fallback(agent) {

agent.add(`I didn't understand`);

agent.add(`I'm sorry, can you try again?`);

}

function handleReadFromDB(agent){

return admin.database().ref('data').once('value').then((snapshot)=> {

const value\_symp = snapshot.child('symptoms').val();

const value\_name = snapshot.child('Name').val();

if(value\_symp!==null){

agent.add(`You Have Entered your Symptoms as ${value\_symp}`);

}

if(value\_name!==null){

agent.add(`Your Name is ${value\_name}`);

}

});

}

function handlemedicalsymp(agent){

const symp=agent.parameters.symptom;

var data={

symptom:symp

};

db.collection('Symptoms').doc('List').add(data);

}

function handlehello(agent){

const name=agent.parameters.name;

var email=agent.parameters.email;

var data ={

name:name,

email:email};

db.collection('info').doc('ID').set(data);

}

function handlebackpain(agent){

var symptoms\_list= {

symptom:'back pain'

};

// Add a new document in collection "cities" with ID 'LA'

var setDoc = db.collection('data').doc('Symptoms').set(symptoms\_list);

}

function handlemildfever(agent){

var symptoms\_list= {

symptom:'mild fever'

};

// Add a new document in collection "cities" with ID 'LA'

var setDoc = db.collection('data').doc('Symptoms').set(symptoms\_list);

}

function handleCramps(agent){

var symptoms\_list= {

symptom:'cramps'

};

// Add a new document in collection "cities" with ID 'LA'

var setDoc = db.collection('data').doc('Symptoms').set(symptoms\_list);

}

function handleBruising(agent){

var symptoms\_list= {

symptom:'bruising'

};

// Add a new document in collection "cities" with ID 'LA'

var setDoc = db.collection('data').doc('Symptoms').set(symptoms\_list);

}

function handleObesity(agent){

var symptoms\_list= {

symptom:'obesity'

};

// Add a new document in collection "cities" with ID 'LA'

var setDoc = db.collection('data').doc('Symptoms').set(symptoms\_list);

}

function handlebellypain(agent){

var symptoms\_list= {

symptom:'belly pain'

};

// Add a new document in collection "cities" with ID 'LA'

var setDoc = db.collection('data').doc('Symptoms').set(symptoms\_list);

}

let intentMap = new Map();

intentMap.set('RhymingWord', rymingwordhandler);

intentMap.set('Default Welcome Intent', welcome);

intentMap.set('Default Fallback Intent', fallback);

intentMap.set('ReadFromDB', handleReadFromDB);

intentMap.set('Medical',handlemedicalsymp);

intentMap.set('smalltalk.greetings.hello',handlehello);

intentMap.set('Back\_Pain',handlebackpain);

intentMap.set('mild\_fever',handlemildfever);

intentMap.set('Cramps',handleCramps);

intentMap.set('Bruising',handleBruising);

intentMap.set('Obesity',handleObesity); // API Access key: d1bc2d71e35e9dbe44ca1a6eb805f746

intentMap.set(‘belly\_pain’,handlebellypain);

agent.handleRequest(intentMap);

});