|  |
| --- |
| /\*\* |
|  |

|  |
| --- |
| \* |
|  |

|  |
| --- |
| \* main() will be run when you invoke this action |
|  |

|  |
| --- |
| \* |
|  |

|  |
| --- |
| \* @param Cloud Functions actions accept a single parameter, which must be a JSON object. |
|  |

|  |
| --- |
| \* |
|  |

|  |
| --- |
| \* @return The output of this action, which must be a JSON object. |
|  |

|  |
| --- |
| \* |
|  |

|  |
| --- |
| \*/ |
|  |

|  |
| --- |
| var request = require("request-promise"); |
|  |

|  |
| --- |
| const DiscoveryV1 = require("watson-developer-cloud/discovery/v1"); |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| function getRandomInt(max) { |
|  |

|  |
| --- |
| return Math.floor(Math.random() \* Math.floor(max)); |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| const statesMap = { |
|  |

|  |
| --- |
| alaska: "99501:US", |
|  |

|  |
| --- |
| alabama: "35801:US", |
|  |

|  |
| --- |
| arkansas: "72201:US", |
|  |

|  |
| --- |
| american\_samoa: "96799:US", |
|  |

|  |
| --- |
| arizona: "85001:US", |
|  |

|  |
| --- |
| california: "90001:US", |
|  |

|  |
| --- |
| colorado: "80201:US", |
|  |

|  |
| --- |
| connecticut: "06101:US", |
|  |

|  |
| --- |
| district\_of\_columbia: "20001:US", |
|  |

|  |
| --- |
| delaware: "19901:US", |
|  |

|  |
| --- |
| florida: "33124:US", |
|  |

|  |
| --- |
| georgia: "30301:US", |
|  |

|  |
| --- |
| guam: "GU:US", |
|  |

|  |
| --- |
| hawaii: "96801:US", |
|  |

|  |
| --- |
| iowa: "50301:US", |
|  |

|  |
| --- |
| idaho: "83254:US", |
|  |

|  |
| --- |
| illinois: "60601:US", |
|  |

|  |
| --- |
| indiana: "46201:US", |
|  |

|  |
| --- |
| kansas: "67201:US", |
|  |

|  |
| --- |
| kentucky: "41701:US", |
|  |

|  |
| --- |
| louisiana: "70112:US", |
|  |

|  |
| --- |
| massachusetts: "02101:US", |
|  |

|  |
| --- |
| maryland: "21201:US", |
|  |

|  |
| --- |
| maine: "04032:US", |
|  |

|  |
| --- |
| michigan: "49036:US", |
|  |

|  |
| --- |
| minnesota: "55801:US", |
|  |

|  |
| --- |
| missouri: "63101:US", |
|  |

|  |
| --- |
| mississippi: "39530:US", |
|  |

|  |
| --- |
| montana: "59044:US", |
|  |

|  |
| --- |
| north\_carolina: "27565:US", |
|  |

|  |
| --- |
| north\_dakota: "58282:US", |
|  |

|  |
| --- |
| nebraska: "68901:US", |
|  |

|  |
| --- |
| new\_hampshire: "03217:US", |
|  |

|  |
| --- |
| new\_jersey: "07450:US", |
|  |

|  |
| --- |
| new\_mexico: "87500:US", |
|  |

|  |
| --- |
| nevada: "89501:US", |
|  |

|  |
| --- |
| new\_york: "10001:US", |
|  |

|  |
| --- |
| ohio: "44101:US", |
|  |

|  |
| --- |
| oklahoma: "74101:US", |
|  |

|  |
| --- |
| oregon: "74101:US", |
|  |

|  |
| --- |
| pennsylvania: "15201:US", |
|  |

|  |
| --- |
| puerto\_rico: "00600:US", |
|  |

|  |
| --- |
| rhode\_island: "02840:US", |
|  |

|  |
| --- |
| south\_carolina: "29020:US", |
|  |

|  |
| --- |
| south\_dakota: "57401:US", |
|  |

|  |
| --- |
| tennessee: "37201:US", |
|  |

|  |
| --- |
| texas: "78701:US", |
|  |

|  |
| --- |
| utah: "84321:US", |
|  |

|  |
| --- |
| virginia: "24517:US", |
|  |

|  |
| --- |
| virgin\_islands: "00801:US", |
|  |

|  |
| --- |
| vermont: "05751:US", |
|  |

|  |
| --- |
| washington: "98004:US", |
|  |

|  |
| --- |
| wisconsin: "53201:US", |
|  |

|  |
| --- |
| west\_virginia: "25813:US", |
|  |

|  |
| --- |
| wyoming: "82941:US", |
|  |

|  |
| --- |
| }; |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| function formatStates(state) { |
|  |

|  |
| --- |
| state = state.toLowerCase(); |
|  |

|  |
| --- |
| state = state.replace(" ", "\_"); |
|  |

|  |
| --- |
| return state; |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| async function main(params) { |
|  |

|  |
| --- |
| if (params.type === "api") { |
|  |

|  |
| --- |
| try { |
|  |

|  |
| --- |
| const summary = await request({ |
|  |

|  |
| --- |
| method: "GET", |
|  |

|  |
| --- |
| uri: "https://api.covid19api.com/summary", |
|  |

|  |
| --- |
| json: true, |
|  |

|  |
| --- |
| }); |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| if (params.location) { |
|  |

|  |
| --- |
| // country was the old param, could be states in us. |
|  |

|  |
| --- |
| state = formatStates(params.location); |
|  |

|  |
| --- |
| if (state in statesMap) { |
|  |

|  |
| --- |
| const uri = `https://api.weather.com/v3/wx/disease/tracker/state/60day?postalKey=${statesMap[state]}&format=json&apiKey=${params.twcApiKey}`; |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| const data = await request({ |
|  |

|  |
| --- |
| method: "GET", |
|  |

|  |
| --- |
| uri: uri, |
|  |

|  |
| --- |
| json: true, |
|  |

|  |
| --- |
| }); |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| return { |
|  |

|  |
| --- |
| result: `Total Cases: ${data.covid19.confirmed[0]}\nTotal Deaths: ${data.covid19.deaths[0]}\n\nSource: ${data.covid19.source[0]}`, |
|  |

|  |
| --- |
| }; |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
| for (var i = 0; i < summary.Countries.length; i++) { |
|  |

|  |
| --- |
| if ( |
|  |

|  |
| --- |
| summary.Countries[i].Country.toLowerCase() === |
|  |

|  |
| --- |
| params.location.toLowerCase() || |
|  |

|  |
| --- |
| summary.Countries[i].CountryCode.toLowerCase() === |
|  |

|  |
| --- |
| params.location.toLowerCase() |
|  |

|  |
| --- |
| ) { |
|  |

|  |
| --- |
| return { |
|  |

|  |
| --- |
| result: `Total Cases: ${summary.Countries[i].TotalConfirmed}\nTotal Deaths: ${summary.Countries[i].TotalDeaths}\nTotal Recovered: ${summary.Countries[i].TotalRecovered}\n\nSource: Johns Hopkins CSSE`, |
|  |

|  |
| --- |
| }; |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
| return { error: "did not find location" }; |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
| let totalCases = summary.Global.TotalConfirmed; |
|  |

|  |
| --- |
| let totalDeaths = summary.Global.TotalDeaths; |
|  |

|  |
| --- |
| let totalRecovered = summary.Global.TotalRecovered; |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| return { |
|  |

|  |
| --- |
| result: `Total Cases: ${totalCases}\nTotal Deaths: ${totalDeaths}\nTotal Recovered: ${totalRecovered}\n\nSource: Johns Hopkins CSSE`, |
|  |

|  |
| --- |
| }; |
|  |

|  |
| --- |
| } catch (err) { |
|  |

|  |
| --- |
| return { error: "it failed : " + err }; |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
| } else { |
|  |

|  |
| --- |
| const discovery = new DiscoveryV1({ |
|  |

|  |
| --- |
| version: "2019-03-25", |
|  |

|  |
| --- |
| iam\_apikey: params.api\_key, |
|  |

|  |
| --- |
| url: params.url, |
|  |

|  |
| --- |
| }); |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| const offset = getRandomInt(50); |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| const queryParams = { |
|  |

|  |
| --- |
| environment\_id: params.env\_id, |
|  |

|  |
| --- |
| collection\_id: params.collection\_id, |
|  |

|  |
| --- |
| natural\_language\_query: |
|  |

|  |
| --- |
| "corona virus " + params.input || "corona virus news", |
|  |

|  |
| --- |
| count: 3, |
|  |

|  |
| --- |
| offset: offset, |
|  |

|  |
| --- |
| }; |
|  |

|  |
| --- |
| try { |
|  |

|  |
| --- |
| data = await discovery.query(queryParams); |
|  |

|  |
| --- |
| let response = data.results.map((v, i) => { |
|  |

|  |
| --- |
| return `${v.title} |
|  |

|  |
| --- |
| ${v.text} |
|  |

|  |
| --- |
| ${v.url}`; |
|  |

|  |
| --- |
| }); |
|  |

|  |
| --- |
| return { |
|  |

|  |
| --- |
| result: |
|  |

|  |
| --- |
| "Here are some news articles we found. We can’t verify the accuracy of all of these sources.\n\n" + |
|  |

|  |
| --- |
| response.join("\n\n"), |
|  |

|  |
| --- |
| }; |
|  |

|  |
| --- |
| } catch (err) { |
|  |

|  |
| --- |
| return { error: "it failed : " + err }; |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
| } |
|  |

}