var CountryName = getColumn("Countries and Territories", "Country Name");

var Region = getColumn("Countries and Territories", "Region");

var IncomeLevel = getColumn("Countries and Territories", "Income Level");

var Population = getColumn("Countries and Territories", "Population");

var Unemployment = getColumn("Countries and Territories", "Unemployment");

var GDPPerCapita = getColumn("Countries and Territories", "GDP Per Capita");

var Flag = getColumn("Countries and Territories", "Flag");

var NationalAnthem = getColumn("Countries and Territories", "National Anthem");

var textOutput;

var currentNationalAnthem = null;

var filteredCountryName = [];

var filteredFact = [];

var filteredAnswer = [];

onEvent("CountryDropDown", "input", function() {

filter(getText("CountryDropDown"), getText("FactDropDown"));

getAnswer(filteredAnswer);

updateScreen(filteredCountryName, filteredFact, filteredAnswer);

});

onEvent("FactDropDown", "input", function() {

filter(getText("CountryDropDown"), getText("FactDropDown"));

getAnswer(filteredAnswer);

updateScreen(filteredCountryName, filteredFact, filteredAnswer);

});

function filter(CountryInput, FactInput) {

resetLists();

for (var i = 0; i < CountryName.length; i++) {

if (CountryInput == CountryName[i]) {

appendItem(filteredCountryName, CountryInput);

appendItem(filteredFact, FactInput);

appendItem(filteredAnswer, getAnswer(FactInput)[i]);

}

}

}

function resetLists() {

filteredCountryName = [];

filteredFact = [];

filteredAnswer = [];

}

function getAnswer(FactInput) {

if (FactInput == "Region") {

return Region;

} else if (FactInput == "Income Level") {

return IncomeLevel;

} else if (FactInput == "Population") {

return Population;

} else if (FactInput == "Unemployment Rate") {

return Unemployment;

} else if (FactInput == "GDP Per Capita") {

return GDPPerCapita;

} else if (FactInput == "Flag") {

return Flag;

} else if (FactInput == "National Anthem") {

return NationalAnthem;

} else return CountryName;

}

function updateScreen(CountryFilter, factFilter, AnswerFilter) {

var selectedIndex = CountryName.indexOf(CountryFilter[0]);

if (factFilter[0] == "Flag") {

textOutput = "Country: " + CountryFilter[0] + "\nFact: " + factFilter[0];

setImageURL("FlagImageBox", Flag[selectedIndex]);

setText("Output", textOutput);

} else if (factFilter[0] == "National Anthem") {

if (currentNationalAnthem !== null) {

stopSound(currentNationalAnthem);

}

currentNationalAnthem = playSound(AnswerFilter[0]);

textOutput = "Country: " + CountryFilter[0] + "\nFact: " + factFilter[0] + "\nAnswer: ";

setText("Output", textOutput);

setImageURL("FlagImageBox", "");

} else {

if (currentNationalAnthem !== null) {

stopSound(currentNationalAnthem);

currentNationalAnthem = null;

}

textOutput = "Country: " + CountryFilter[0] + "\nFact: " + factFilter[0] + "\nAnswer: " + AnswerFilter[0];

setImageURL("FlagImageBox", "");

setText("Output", textOutput);

}

}