

Busiest Airports App Development Project

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1 //Variables are initialized.
2 var countries = getColumn("Busiest Airports", "Country");
3 var years = getColumn("Busiest Airports", "Year");
4 var airportNames = getColumn("Busiest Airports", "Airport");
5 var airportNamesByYearAndCountryList = [];
6 var selectedYear = 2010;
7 var selectedCountry = "United States";
8 //User will press the start button to go to the next screen
9 onEvent("startBtn", "click", function( ) {
10     setScreen("searchScreen");
11 });
12 //User will enter year and country of their choice.
13 onEvent("searchBtn", "click", function( ) {
14     selectedYear = getText("yearDropDown");
15     selectedCountry = getText("countryDropDown");
16     setScreen("searchResultScreen");
17     buildAirportNamesByYearAndCountry();
18     populateMatchingAirportNames();
19 });
20 //Airport list will be created based on year and country.
21 function buildAirportNamesByYearAndCountry() {
22     airportNamesByYearAndCountryList = [];
23     //I am using a filtered list.
24     for (var i = 0; i < years.length; i++) {
25         if (selectedYear == years[i] && selectedCountry == countries[i]) {
26             appendItem(airportNamesByYearAndCountryList, airportNames[i]);
27         }
28     }
29 }
30 // Airports will be listed on the text area based on level of busyness.
31 function populateMatchingAirportNames() {
32     var matchingAirportNames = "";
33     for (var i = 0; i < airportNamesByYearAndCountryList.length; i++) {
34         matchingAirportNames = (matchingAirportNames + airportNamesByYearAndCountryList[i]) + "\n";
35     }
36     setText("airportNamesTextArea", matchingAirportNames);
37 }
38 //User will press restart button to go back to the main screen and play again.
39 onEvent("restartBtn", "click", function( ) {
40     setScreen("startScreen");
41 });
```