Module 6 Lab A

Starting JavaScript and the Xrm.Page object model

Objective

Write and test basic JavaScript in visual studio, then port it to CRM

Scenario

On entering new records for bank account, the Sortcode and BankLocation need to be validated on change.

Goal Description

1 Import the starter solution into Dynamics 365 (located in this labs starter folder)

2. Create a new JavaScript file, Lab6AStart.js to the Module 6 Lab A Start folder.

3. Create a ShowBankLocation function in the Lab6AStart.js, use the Xrm.Page.getAttribute(“new\_banklocation”).getValue() to read the location in to the variable location, use the alert and console.log methods to display it.

4. Create a CheckSortCodeNumeric function, using the regular expression

var regex = new RegExp("^\\d{1,}$"); test this with a local string variable, then replace this with a reference to Xrm.Page.getAttribute(“new\_sortcode”).getValue() .

5. Add the Lab6Start.js script as a web resource, add the web resource as library for the bank account form, associate the change events of the location and the sortcode to run the ShowBankLocation and CheckSortCodeNumeric functions

Step 1:

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| 1 | Import the Solution Module6\_1\_0\_0\_0.zip (located in the start folder) into your Dynamics 365 System (this will create the bank account entity with fields named Banklocation and sortcode). After import make sure that the BankAccount Entity appears in the Sales Area |
| 2 | Open Visual Studio 2015 and create a New JavaScript file Lab6Start.js, and save it in the Module 6 LAB A Start folder |
| 3 | Create a ShowBankLocation function in the Lab6Start.js, use the Xrm.Page.getAttribute(“new\_banklocation”).getValue() to read the location in to the variable location, use the alert and console.log methods to display it. |

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| 4 | Create a CheckSortCodeNumeric function, using the regular expression  var regex = new RegExp("^\\d{1,}$"); test this with a local string variable, then replace this with a reference to Xrm.Page.getAttribute(“new\_sortcode”).getValue().  function CheckSortCodeNumeric() {    var code = Xrm.Page.getAttribute("new\_sortcode").getValue();  if (code != null) {  var regex = new RegExp("^\\d{1,}$");  if (!regex.test(code)) {  alert("please numeric data only");  }  else {  alert("ok");  }  }  } |
| 5 | Add the Lab6Start.js script as a web resource to a new solution named Module 6. |
| 6 | Save and Publish. Add the web resource as a library for the bank account form, associate the change events of the location and the sortcode to run the ShowBankLocation and CheckSortCodeNumeric functions respectively.          Save and Publish. |
| 7 | Test the bank account form  Create a new Bank Account record making sure that you use the “Information” form not the default one called “BusinessRulesDemo”    Change the location, change the sortcode (examples enter 123, enter cat, enter dog123). Note that the form load event will only get triggered if the page is refereshed. |
| 8 | Use the form editor to remove the script associations (the popups will get annoying otherwise. |