External Assembly Framework

Campaign Manager

Genral (Should not be changed)

* Namespace : EAF
* Class Name : EAF

Modules

* GetList
* Validation

GETLIST

Custom list for Extended Combo box.

**Parameter:**

* List<Datatable>

**Return Type:**

* Datatable or NULL

**How to call:**

* By default displaying a list is configured in ***Field Master***table under column ***picklist\_category****.*
* To Call ***GetList ()***function, ***picklist\_category***will be set as ***EAF\_GetList****.*
* If the operation inside the ***GetList ()*** requiresCompany Details, then the ***picklist\_category*** will be set as ***EAF\_GetList\_C.***
* ***Field Name*** of calling field can be refered from ***ProjectInfo*** Table.

**Notes:**

* Current Row Index of the contact table is available in ***ProjectInfo*** Table.
* The name of the selection column of the return table must be ***PicklistValue.***

VALIDATION

Validates or Updates the data of Company and Contact.

**Parameter:**

* List<Datatable>

**Return Type:**

* String (Preferably HTML based Message with New line as separator)

**How to call:**

* Default Call. No external specification required.

**Notes:**

* ***Message*** or ***Error*** will be returned as String.
* The return string will prevent saving data.

List<Datatable>

Below are the list of available tables.

|  |  |
| --- | --- |
| **Table** | **Description** |
| MasterCompanies | Company Table |
| MasterContact | Contact Table |
| FieldMaster | Field Settings |
| PickList | All Pick list |
| Validations | Validation Table |
| Country | Country Information with Dial code and Time Zone |
| **ProjectInfo** | All required information for the project |

ProjectInfo Table

Below are the information that are available in Project Info Table

|  |  |  |
| --- | --- | --- |
| **Key** | **Value** | **Type** |
| ProjectName | CRU\_Copper | String |
| ProjectID | CRUCRU005 | String |
| EmployeeName | THANGAPRAKASH | String |
| EmployeeNo | 600950 | String |
| CompanyTable | CRUCRU005\_Mastercompanies | String |
| ContactTable | CRUCRU005\_MASTERCONTACTS | String |
| UserType | Agent | String |
| AccessTo | TR | String |
| AllowTelephoneFormating | Y | String |
| AllowGeneralEmail | N | String |
| AllowDuplicateEmail | N | String |
| AllowDuplicateJobTitle | Y | String |
| AllowPublicDomainEmails | N | String |
| AllowDuplicateEmailAcrossProject | N | String |
| AllowNewCompanyTR | N | String |
| AllowNewCompanyWR | Y | String |
| EmailCheckBinaryPath | C:\Users\THANGA~1\AppData\Local\Temp\Campaign Manager\Email\_check.exe | String |
| SendKeyBinaryPath | C:\Users\THANGA~1\AppData\Local\Temp\Campaign Manager\SendKeys.exe | String |
| SpellCheckJobTitle | Y | String |
| AllowSwitchBoardNumberinContacts | Y | String |
| FreezeWRCompletedRecords | Y | String |
| FreezeTRCompletedRecords | Y | String |
| FreezeWRCompanyCompletes | Y | String |
| FreezeTRCompanyCompletes | Y | String |
| MaxValidatedContactCount | 0 | Int |
| MinValidatedContactCountComplets | 0 | Int |
| MinValidatedContactCountPartialComplets | 0 | Int |
| MinValidatedContactCountPartialComplets | 0 | Int |
| ShowOnGridMasterCompanies | ADDRESS\_1~ADDRESS\_2~ALTERNATE\_TELEPHONE\_NUMBERS~CITY~COMPANY\_NAME~COUNTRY~COUNTY~GENERAL\_EMAIL~MASTER\_ID~POST\_CODE~SWITCHBOARD~TR\_AGENTNAME~TR\_DATECALLED~TR\_PRIMARY\_DISPOSAL~TR\_SECONDARY\_DISPOSAL~WR\_AGENTNAME~WR\_DATE\_OF\_PROCESS~WR\_PRIMARY\_DISPOSAL~WR\_SECONDARY\_DISPOSAL | List |
| ShowOnGridMasterContacts | CONTACT\_EMAIL~CONTACT\_TELEPHONE~FIRST\_NAME~JOB\_TITLE~LAST\_NAME~OTHERS\_JOBTITLE~TITLE~TR\_CONTACT\_STATUS~WR\_CONTACT\_STATUS | List |
| ShowOnCriteriaMasterCompanies | COMPANY\_NAME~COUNTRY~MAIN\_INDUSTRY~MASTER\_ID~TR\_AGENTNAME~TR\_DATECALLED~TR\_PRIMARY\_DISPOSAL~WR\_AGENTNAME~WR\_DATE\_OF\_PROCESS | List |
| ShowOnCriteriaMasterContacts | EMAIL\_VERIFIED~REJECTION~REVIEW\_TAG~TR\_CONTACT\_STATUS~TR\_UPDATED\_DATE~WR\_CONTACT\_STATUS~WR\_UPDATED\_DATE | List |
| ContactStatusToBeFreezed | VERIFIED AND COMPLETE~UPDATE AND COMPLETE~REPLACEMENT AND COMPLETE~NEW AND COMPLETE | List |
| DisposalsToBeFreezed | COMPLETE SURVEY | List |
| TRContactStatusToBeValidated | VERIFIED AND COMPLETE~UPDATE AND COMPLETE~REPLACEMENT AND COMPLETE~NEW AND COMPLETE | List |
| WRContactStatusToBeValidated | VERIFIED AND COMPLETE~UPDATE AND COMPLETE~REPLACEMENT AND COMPLETE~NEW AND COMPLETE~WEBRESEARCH | List |
| TR\_DeleteStatus | CONTACT LEFT~CONTACT UNKNOWN | List |
| WR\_DeleteStatus | CONTACT LEFT~CONTACT UNKNOWN | List |
| DisposalsToBeValidated | COMPLETE SURVEY | List |
| NewRecordContactStatus | NEW AND COMPLETE~NEW AND INCOMPLETE | List |
| UnchangedRecordContactStatus | VERIFIED AND COMPLETE~PARTIAL VERIFIED | List |
| ChangedRecordContactStatus | UPDATE AND COMPLETE | List |
| ReplacementRecordContactStatus | | List |
| ReplacementOptionRecordContactStatus | CONTACT LEFT | List |
| NeutralContactStatus |  | List |
| EmailCheckContactStatus | 'VERIFIED AND COMPLETE','UPDATE AND COMPLETE','REPLACEMENT AND COMPLETE','NEW AND COMPLETE','WEBRESEARCH' | String |
| ReplacementOptionContactStatus | 'CONTACT LEFT' | String |
| TRContactstatusTobeValidated | 'VERIFIED AND COMPLETE','UPDATE AND COMPLETE','REPLACEMENT AND COMPLETE','NEW AND COMPLETE' | String |
| WRContactstatusTobeValidated | 'VERIFIED AND COMPLETE','UPDATE AND COMPLETE','REPLACEMENT AND COMPLETE','NEW AND COMPLETE','WEBRESEARCH' | String |
| SortableContactColumn | TR\_UPDATED\_DATE~WR\_UPDATED\_DATE~FIRST\_NAME~CONTACT\_EMAIL~TR\_CONTACT\_STATUS | List |
| MSSQLConString | user id=user1;password=\*\*\*\*\*\*\*\*\*;data source=172.27.137.181;initial catalog=MVC | String |
| MYSQLConString | user id=user1;password=\*\*\*\*\*\*\*\*\*;data source=172.27.137.181;initial catalog=MVC | String |
| **ContactRowIndex** | 2 | Int |
| **FieldName** | Job\_Title | String |

Points To Remember

* If global variables are used, then it should be disoposed on exit.

Implementation

* DLL should be inserted into MS SQL Table ***PROJECT\_FILES*** with its ***ProjectID***
* Based on ***ProjectID*** ***Campaign Manager*** invoke the DLL.

Code Sample

namespace EAF

{

public class EAF

{

public DataTable GetList(List<DataTable> lstDatable)

{

try

{

DataTable dtPickList = Table(lstDatable, "PickList");

DataTable dtContact = Table(lstDatable, "MasterContact");

string sCategory = dtContact.Rows[Convert.ToInt32(Table(lstDatable, "ProjectInfo").Select("Key = 'ContactRowIndex'")[0][1])]["First\_Name"].ToString();

if (dtPickList.Select("PicklistCategory = '" + sCategory + "'").Length > 0)

return dtPickList.Select("PicklistCategory = '" + sCategory + "'").CopyToDataTable();

else

return null;

}

catch (Exception ex)

{

sReturnMessage += ex.Message;

return null;

}

}

public string Validation(List<DataTable> lstDatable)

{

try

{

DataTable dtContact = Table(lstDatable, "MasterContact");

foreach (DataRow dr in dtContact.Rows)

{

if (dr["Job\_title"].ToString().Contains("EFA Manager"))

{

dr["Job\_title"] = "Manager";

}

}

return string.Empty;

}

catch (Exception ex)

{

return ex.Message;

}

}

public DataTable Table(List<DataTable> lstTable, string sTableName)

{

foreach (DataTable dt in lstTable)

{

if (dt.TableName.ToUpper() == sTableName.ToUpper())

return dt;

}

return null;

}