



Microsoft Dynamics CRM / XRM Platform



Java Script Reference Guide



CRM Versions Supported: CRM 2011 / 2013 and Online

Super Grid for Microsoft Dynamics CRM 2011 and CRM 2013 Online and On Premise is a self-installable and Configurable Managed Solution for enhancing existing standard or custom entity CRM views and Sub Grids with Excel like in-place editing and fast new record entry.

Super Grid adheres to the business logic and security of CRM while allowing advanced features of field level security, scripting and filtering to application. Super Grid is powerful flexible, fast and efficient and represents a unique and advanced CRM data user interface for solving specialized application changes.

Super Grid is intended for implementation by solution professionals.

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IMPORTANT TO NOTE

This user guide is made using IE10 browser on Microsoft Windows 8 operating system. The Microsoft Dynamics CRM 2013 online version has been used to demonstrate this product along with Microsoft Outlook 2013 version. All Screen shots have been captured in this environment.

This Product **Super Grid for Microsoft Dynamics CRM** works similarly in CRM 2011 environment also. There is NO functional difference in operations. But only the look and feel of the CRM will vary from CRM 2011 and CRM 2013.

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Code Format in JavaScript

To get the super Grid and run any Super Grid operations we need to execute the below code.

```
/* Getting Super Grid */  
var superGrid = Xrm.Page.getSuperGrid("crmGrid");  
/* Xrm.Page.getSuperGrid("crmGrid") for mainGrid  
For Sub Grid Please replace crmGrid with the sub grid name.*/
```

1. The above code returns the Super Grid along with following methods

superGrid.editgrid.gridId; → this method returns the super Grid Id.

superGrid.editgrid.getAllRecords(); → This method returns all the records with its IDs from the Grid.

superGrid.editgrid.getSelectedRecord(); → This method returns the selected record from the Grid.

superGrid.getRecord(Guid); → this method returns the record with the Guid passed in the parameter. (Checks whether the Record with Guid passed in parameter does exists or not in Grid ... if not it returns a Null value)

The above three functions contains the following methods in each of it.

var selected = superGrid.editgrid.getSelected()[0]; → it returns the array of records selected.

```
/* On SaveAll and NewClick Events it returns the array of checked records and the selected records.  
*/
```

selectedRecord.GetId(); → it returns the record Id.

selectedRecord.GetValue("Attributename"); → it returns the value of the current attribute from the current Record.

selectedRecord.SetValue("Attributename", value); → Sets the value of the current attribute in the current record. (value must be in specific format based on attribute)

Types of Values to be passed to the Grid column

```
/* Retrieving all the Records From the Super Grid. */
var allRecords = superGrid.editgrid.getAllRecords();
var value = allRecords[i].GetValue(AttributeName);
allRecords[i].SetValue(AttributeName, 500.00);
```

```
/* retrieving Selected Record from super grid */
var record = superGrid.editgrid.getSelected()[0];
```

```
/* Getting Attribute Value from the selected Record in Super grid. */
var value = record.GetValue(AttributeName);
```

```
/*Assigning Lookup Values to superGrid Column */
var lookupValue = new Object();
lookupValue.Id = "249851B3-E369-E111-B1A9-78E3B5178A52";
lookupValue.Name = "Brain LaMee (sample)";
lookupValue.LogicalName = "contact";
record.SetValue(AttributeName, lookupValue); Lookup object
```

```
/*Assigning String Values to superGrid Column */
record.SetValue(AttributeName, "Test Account"); String
```

```
/*Assigning String Values to superGrid Column */
var memo = "Test Account\nTestAccount";
record.SetValue(AttributeName, memo); Memo
```

```
/*Assigning Boolean Values to superGrid Column */
Record.SetValue(AttributeName, true); True Or False
```

```
/*Assigning Integer Values to superGrid Column */
record.SetValue(AttributeName, 500); Integer
```

```
/*Assigning Decimal Values to superGrid Column */
record.SetValue(AttributeName, "500.00"); Decimal
```

```
/*Assigning Money Values to superGrid Column */
record.SetValue(AttributeName, {Value: "500.00"}); Currency
```

```
/* Assigning DateTime Values to superGrid Column */
record.SetValue(AttributeName, new Date(2012,03,01)); (YYYY,MM,DD)
```

```
/* Assigning Picklist Values (Optionset Values) to superGrid Column */
var OpValue = new Object();
OpValue.Value = 2;
record.SetValue(AttributeName, OpValue); Integer (Option Value)
```

Types of Values retrieved from the Grid column

```
/* Getting Attribute Value from the selected Record in Super grid. */  
var value = record.GetValue(AttributeName);  
  
/*Getting Lookup Values from superGrid Column */  
var lookupValue = record.GetValue(AttributeName); Lookup object  
/* lookupValue retrieved as {Id: xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx, Name: xxx, LogicalName: xxx} */  
var Id = lookupValue.Id;  
var Name = lookupValue.Name;  
var LogicalName = lookupValue.LogicalName;  
  
/* Getting String Values to superGrid Column value as string format as "xxx" */  
var name = record.GetValue(AttributeName); String  
  
/* Getting String Values to superGrid Column value as string format as "xx\nxx" */  
var memo = record.GetValue(AttributeName); Memo  
  
/* Getting Boolean Values to superGrid Column value as Boolean as true/false */  
var type = record.GetValue(AttributeName); True or False  
  
/* Getting Decimal Values from superGrid Column value as number Format */  
var totalAmount = record.GetValue(AttributeName); Decimal  
/*Value returned in String Format you need to parse the value */  
  
/* Getting Integer Values from superGrid Column value as number Format */  
var totalAmount = record.GetValue(AttributeName); Integer  
  
/* Getting Money Values from superGrid Column value as number Format */  
var totalAmount = record.GetValue(AttributeName).Value(); Currency  
  
/* Getting DateTime Values from superGrid Column value as UTC Format/Date Time Format */  
var totalAmount = record.GetValue(AttributeName); (YYYY,MM,DD)  
  
/* Getting Picklist Values (Optionset Values) from superGrid Column value as Object Format  
i.e. {Value: xxx} */  
var OpValue = record.GetValue(AttributeName); Integer (Option Value)  
var value = OpValue.Value;
```

Sample Examples / Events / Java Scripts

Below is the Sample code for your reference

1. On Grid Load → This is used when the grid is initialized.

```
function OnPageLoad() {
    var superGrid = Xrm.Page.getSuperGrid("crmGrid");
    var allRecords = superGrid.editgrid.getAllRecords();
    if (allRecords != null) {
        for (i = 0; i < allRecords.length; i++) {
            /*setting string value*/
            allRecords[i].SetValue("name", "Hi");
        }
    }
}
```

Out Put:-

Accounts		My Active Accounts ▼		Search for records	
☐	Account Name * ▲	Address 1: City	Parent Account	Primary Contact	oi + ↺
☐	Hi	hyd	kjjk	raj (sample)	
☐	Hi	hyd	ahgjgh	jilani khan	
☐	Hi	hyd		raj (sample)	12344test
☐	Hi	delhi		jilani khan	

2. Adding New Row

```
function OnNewRow() {
    var superGrid = Xrm.Page.getSuperGrid("crmGrid");
    var allRecords = superGrid.editgrid.getAllRecords();
    if (allRecords != null) {
        for (i = 0; i < allRecords.length; i++) {
            if(allRecords[i].GetRecordState()=="new"){
                /*setting the string value*/
                allRecords[i].SetValue("name", "Hello World");
                break;
            }
        }
    }
}
```

Output:-

Before adding js

Accounts		My Active Accounts ▾		Search for records			
☐	☐ Account Name * ▲	Address 1: City	Parent Account	Primary Contact	opportunityid	Annual Revenue	Ir + ↻
☐	X						
☐	hg	delhi		jilani khan		Rs.1,500.00	Brokers
☐	hgjgh	hyd	hg	raj (sample)		Rs.1,200.00	Consulting
☐	hgjgh	hyd	hgjgh	jilani khan		Rs.1,000.00	Agriculture
☐	hgjgh	hyd		raj (sample)	12344test	Rs.100.00	Agriculture

After adding js

Accounts		My Active Accounts ▾		Search for records			
☐	☐ Account Name * ▲	Address 1: City	Parent Account	Primary Contact	opportunityid	Annual Revenue	Ir + ↻
☐	X Hello World						
☐	hg	delhi		jilani khan		Rs.1,500.00	Brokers
☐	hgjgh	hyd	hg	raj (sample)		Rs.1,200.00	Consulting
☐	hgjgh	hyd	hgjgh	jilani khan		Rs.1,000.00	Agriculture

3. On Attribute Change → Function should contains parameter (recordID) to store the record ID which should be passed to the function form the HTML application dynamically.

```
function onChange(recordID)
{
    /*getting superGrid*/
    var superGrid = Xrm.Page.getSuperGrid("crmGrid");
    /*getting selected Record*/
    var selectedRecord = superGrid.editgrid.getSelected();
    /*getting lookup value*/
    var lookup = selectedRecord[0].GetValue("primarycontactid");
    var name = lookup.Name;    /*it gives the name of the contact*/
    selectedRecord[0].SetValue("name", name);
}
```

Output:-

Before adding js

Accounts My Active Accounts ▾		Search for records		
☐	Account Name * ▲	Address 1: City	Parent Account	Primary Contact
☒	mtc	hyd	mtc	jilani khan
☐	mtc	delhi		jilani khan
☐	mtc	hyd		raj (sample)
☐	mtc	raja		jilani khan

After adding js

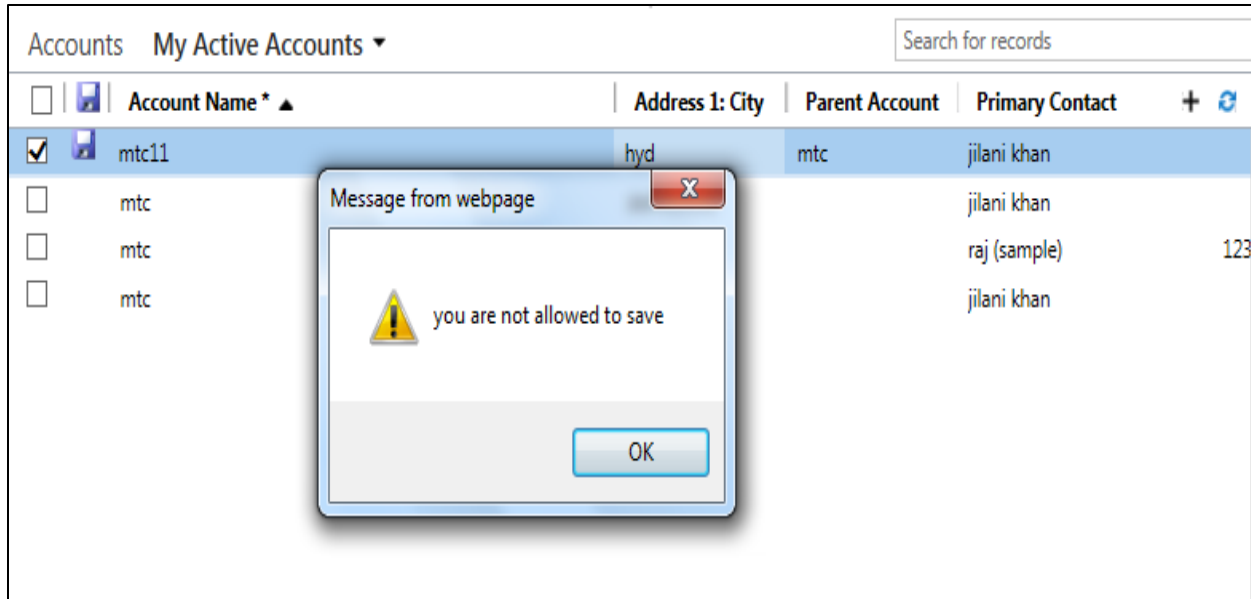
Accounts My Active Accounts ▾		Search for records		
☐	Account Name * ▲	Address 1: City	Parent Account	Primary Contact
☒	jilani khan	hyd	mtc	jilani khan
☐	mtc	delhi		jilani khan
☐	mtc	hyd		raj (sample)
☐	mtc	raja		jilani khan

In above Account Name is changed with value Jilani Khan name of the primary contact

4. On Record Save → Function should contains parameter (record) to store the record which should be passed to the function form the HTML application dynamically.

```
function onSave(record)
{
    alert("you are not allowed to save");
    /*cancelling the record saving*/
    record.cancelSave=true;
}
```

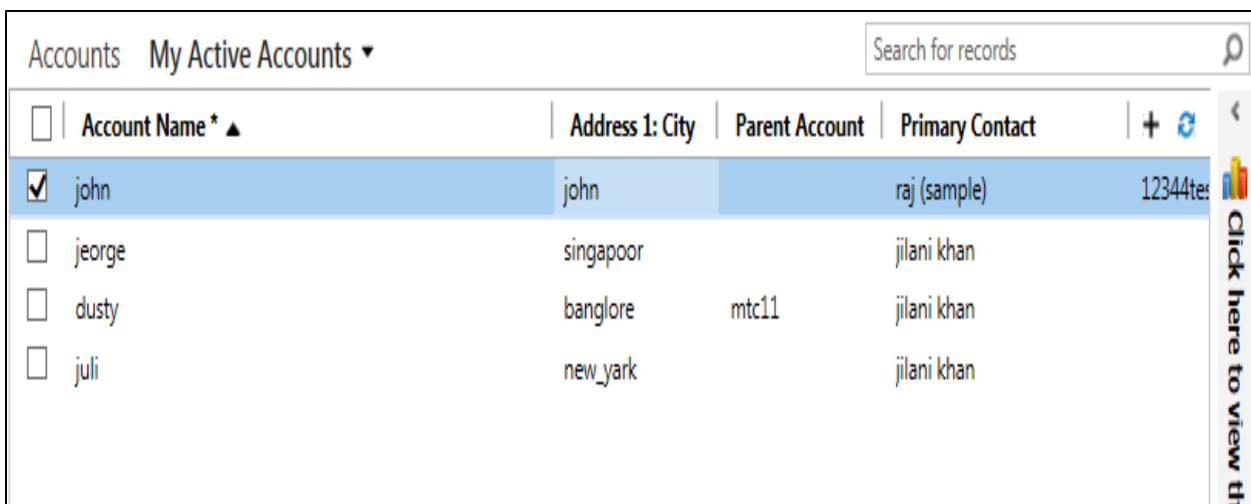
Output :-



5. On Record SaveComplete → Function should contains parameter(recordID) to store the record ID which should be passed to the function form the HTML application dynamically.

```
function onSaveComplete(recordID)
{
    var superGrid = Xrm.Page.getSuperGrid("crmGrid");
    var selectedRecord = superGrid.editgrid.getSelected();
    /*getting the string value*/
    var name = selectedRecord[0].GetValue("name");
    /*setting the string value*/
    selectedRecord[0].SetValue("address1_city",name);
}
```

Output:-



☐	Account Name * ▲	Address 1: City	Parent Account	Primary Contact	
☒	john	john		raj (sample)	12344tes
☐	jeorge	singapoor		jilani khan	
☐	dusty	banglore	mtc11	jilani khan	
☐	juli	new_yark		jilani khan	

In above Address1_City is changed with value john is value of the Account Name.

6. Required Cell and Required Column → Function should contains parameter (e) to store the Event related (i.e. to continue the save or cancel the save based on the return value.) Object which should be passed to the function form the HTML application dynamically.

```
/*Required cell
Registered on onSave*/

function required(e) {
    var superGrid = Xrm.Page.getSuperGrid("crmGrid");

    /*getting selected record*/
    var selectedRecord = superGrid.editgrid.getSelected()[0];

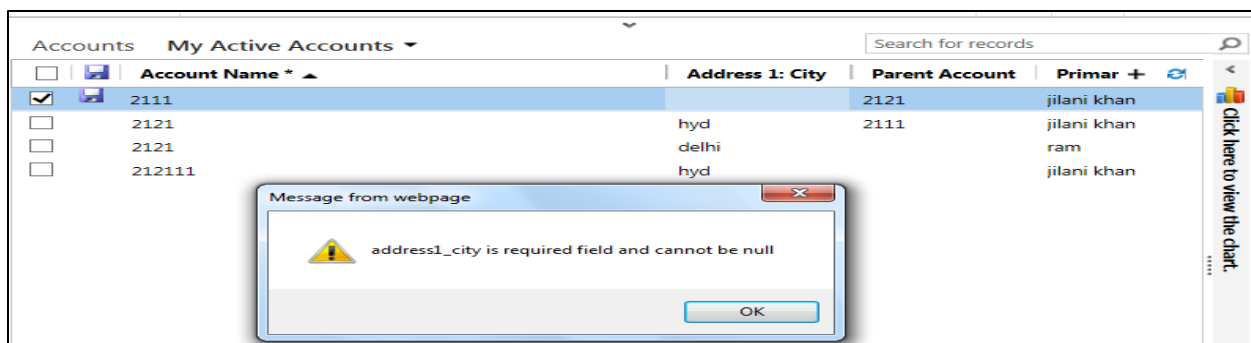
    /*checking the condition weather the value is null or not*/
    if (selectedRecord.Data.address1_city==" "||selectedRecord.Data.address1_city == undefined) {

        /*alert message */
        alert("address1_city should not be null");

        /*setting to cancel the save then e.cancelSave = true or else e.cancelSave = false*/
        e.cancelSave=true;
    }
}

(OR)
/*For Setting Column as Required Column
Registered on onSave
*/
function Required(e)
{
    var superGrid = Xrm.Page.getSuperGrid("crmGrid");
    superGrid.editgrid.grid.Columns[3].IsRequired = true; /*superGrid.editgrid.grid.Columns[Column
Index].IsRequired = true;*/
}
```

Out Put:-



7. Column ReadOnly & Cell ReadOnly

```

/*Set the cell as readOnly
Registered on onLoad*/
function cellReadOnly()
{
    var superGrid = Xrm.Page.getSuperGrid("crmGrid");
    for(var i = 0; i<superGrid.editgrid.grid.Columns.length;i++)
    {
        if(superGrid.editgrid.grid.Columns[i].AttributeName == "address1_city")
            /*registering the AddOnEditComplete Event*/
            superGrid.editgrid.grid.Columns[i].AddOnEditComplete(changeCellReadOnly);
    }
}

function changeCellReadOnly (e)
{
    var superGrid = Xrm.Page.getSuperGrid("crmGrid");
    /*Setting the cell as ReadOnly*/
    superGrid.editgrid.grid.CurrentEditingCell.IsReadOnly=true;
}

(OR)

/* For Setting the columns as readonly
Registered on onSave (or) onLoad ,
*/
function sorting()
{
    /*setting column as ReadOnly */
    superGrid.editgrid.setColumnReadOnly("address1_city",true);
}

```

Output:-

Accounts My Active Accounts ▾		Search for records		
☐	Account Name * ▲	Address 1: City	Parent Account	Primary Contact
☒	dust	banglore	juli	jilani khan
☐	jeorge	singapoor		jilani khan
☐	john	john		raj (sample)
☐	juli	new_yark		jilani khan

12344tes

Click here to view the chart.

8. Hide & show Column

```
/*For Hiding the column & showing the column
   Registered on onLoad (or) onChange as name:hide(or) onSave
*/
function hide()
{
    var superGrid = Xrm.Page.getSuperGrid("crmGrid");
    /*hideColumn(column index) */
    superGrid.editgrid.hideColumn(3);
    /*showing the hidden column*/
    superGrid.editgrid.showColumn(3);
}
```

Output:-

Before adding js

Accounts My Active Accounts ▾					
☐	Account Name * ▲	Address 1: City	Parent Account	Primary Contact	o1 + ↺
☐	mtc	delhi		jilani khan	
☐	mtc	hyd		raj (sample)	12344test
☐	mtc	raja		jilani khan	
☐	mtc1	hyd1	mtc	jilani khan	

After adding js

Accounts My Active Accounts ▾		Search for records			
☐	Account Name * ▲	Parent Account	Primary Contact	opportunityid	A1 + ↺
☐	Hi1		raj (sample)	12344test	Rs.100.00
☐	Hi14		jilani khan		Rs.1,500.00
☐	Hi4	Hi14	jilani khan		Rs.1,200.00
☐	raj		jilani khan		

9. Lookup Filtering

```

/*For Lookup Filtering
    Registered on onLoad*/
function lookup() {
    var superGrid = Xrm.Page.getSuperGrid("crmGrid");
    for (var j = 0; j < superGrid.editgrid.grid.Columns.length; j++) {
        if (superGrid.editgrid.grid.Columns[j].AttributeName == 'primarycontactid') {

            /*registering event*/
            superGrid.editgrid.grid.Columns[j].AddOnEditEvent(changelookup)
        }
    }
}

function changelookup() {
    var superGrid = Xrm.Page.getSuperGrid("crmGrid");

    /*Getting Lookup Settings*/
    var contactlookup = superGrid.editgrid.grid.Columns[5].lookUpSettings;
    /*Allow Filter(Show my records check box in lookup.aspx page)*/
    contactlookup.allowFilterOff = 1;
    /*Default type of entity*/
    contactlookup.defaultType = 2;
    /*Default viewId*/
    contactlookup.defaultViewId = "A2D479C5-53E3-4C69-ADDD-802327E67A0D";
    /*Disable Quick Find*/
    contactlookup.disableQuickFind = 0;
    /*Disable View Picker*/
    contactlookup.disableViewPicker = 1;
    /*Show New Button*/
    contactlookup.showNew = 1;
    /*Show Property*/
    contactlookup.showProp = 1;
    var superGrid = Xrm.Page.getSuperGrid("crmGrid");
    /*get Selected record*/
    var selectedRecord = superGrid.editgrid.getSelected();
    /*Based on account id filtering contacts*/
    var accountid = selectedRecord[0].GetValue("accountid");
    accountid.async = false;
    /*Requiried Filter Fetch XML*/
    contactlookup.quickSearchFetchXml = function (searchattribute) {

        var fetchxml = '<fetch distinct="true" no-lock="true" mapping="logical" page="1"
count="5" returntotalrecordcount="true"><entity name="contact">' +
            '<attribute name="fullname" /><attribute name="parentcustomerid" />' +
            '<filter type="and"><condition attribute="statecode" operator="eq" value="0" />' +
            '<condition attribute="parentcustomerid" operator="eq" uitype = "account"
value="{ ' + accountid + ' }"/></filter>' +
            '<order attribute="fullname" descending="false" /></entity></fetch>';
        if (searchattribute != " ") {
            var fetchxml = '<fetch distinct="true" no-lock="true" mapping="logical" page="1"
count="5" returntotalrecordcount="true"><entity name="contact">' +
            '<attribute name="fullname" /><attribute name="parentcustomerid" />' +
            '<filter type="and"><condition attribute="statecode" operator="eq" value="0"
/></filter>' +

```

```
'<filter type="and" isquickfindfields="true"><condition attribute="fullname"
operator="like" value="' + searchattribute + '" />' +
'<condition attribute="parentcustomerid" operator="eq" uitype = "account"
value="{ ' + accountid + ' }"/></filter>' +
'<order attribute="fullname" descending="false" /></entity></fetch>';

}
return fetchxml;
};

/*Required Dependent Attribute*/
contactlookup.rDependentAttr = "contact.parentcustomerid";
/*Required Dependent Record Id (i.e. Account ID)*/
contactlookup.rId = accountid;
/*Required Entity Type Code*/
contactlookup.rType = 1;

var length = superGrid.editgrid.metadata.account.OneToManyRelationships.length;
for (var i = 0; i < length; i++) {
    if (superGrid.editgrid.metadata.account.OneToManyRelationships[i].SchemaName ==
"contact_customer_accounts") {
        /*Relation ship type between both the Entites(i.e. relation between account and
contact.)*/
        contactlookup.filterRelationshipId =
superGrid.editgrid.metadata.account.OneToManyRelationships[i].SchemaName;
        break;
    }
}
/*Additional params*/
contactlookup.additionalParams = "&ObjectTypeCode=" + 2 + "&ObjectId=%7b" + accountid +
"%7d";
/*updating the lookup*/
superGrid.editgrid.grid.Columns[5].lookupSettings = contactlookup;
}
```

Out Put:-

Look Up Record
Enter your search criteria and click Search to find matching records. Filter your results and view different columns of data by using the View options. Then, select the record you want and click OK.

Look for: ☐ Show Only My Records

View: ☒ Filter by related Parent Customer

Search:

	Full Name	Parent Customer	Address 1: City	Address
☐	jilani khan	2111	hyderabad	
☐	raj (sample)	2111		

Page 1

OK Cancel Remove Value

10. Filter Pick List Using On Click Event Registration → Function should contains parameter(e) to store the Event Object which should be passed to the function form the HTML application dynamically.

```
/*For filtering Pick List Registered on Load as register Event.*/
```

```
function registerEvent() {
    var superGrid = Xrm.Page.getSuperGrid("crmGrid");
    for (var j = 0; j < superGrid.editgrid.grid.Columns.length; j++) {
        if (superGrid.editgrid.grid.Columns[j].AttributeName == 'new_pick2') {

            /*register event on the required picklist column*/
            superGrid.editgrid.grid.Columns[j].AddOnEditEvent(changePickList);
        }
    }
}
```

```
/*On Click Of the option set (or registered picklist),
This function will raise and set the required option set values.
Arg's: e is the selected Control object. */
```

```
function changePickList(e) {
    var superGrid = Xrm.Page.getSuperGrid("crmGrid");

    var selectedRecord = superGrid.editgrid.getSelected()[0];

    /*Set the requiried Option set values which you want to display*/
    if (selectedRecord.GetValue('new_pick1').Value == 1) { $(e.currentControl).html('<div
style="width: 100%;"><select style="width: 100%;" class="editgridfocus"><option
class="editgridfocus" value="-1"></option><option value="1">1</option><option
value="3">3</option></select></div>'); }

    else if (selectedRecord.GetValue('new_pick1').Value == 2) { $(e.currentControl).html('<div
style="width: 100%;"><select style="width: 100%;" class="editgridfocus"><option
class="editgridfocus" value="-1"></option><option value="2">2</option><option
value="4">4</option></select></div>'); }

    else if (selectedRecord.GetValue('new_pick1').Value == 3) { $(e.currentControl).html('<div
style="width: 100%;"><select style="width: 100%;" class="editgridfocus"><option
class="editgridfocus" value="-1"></option><option value="5">5</option><option
value="7">7</option></select></div>'); }

    else if (selectedRecord.GetValue('new_pick1').Value == 4) { $(e.currentControl).html('<div
style="width: 100%;"><select style="width: 100%;" class="editgridfocus"><option
class="editgridfocus" value="-1"></option><option value="8">8</option><option
value="8">8</option></select></div>'); }

    else { $(e.currentControl).html('<div style="width: 100%;"><select style="width: 100%;"
class="editgridfocus"></select></div>'); }
}
```

Out Put:-

Before adding js

Customer *	Email(Contact)	Bill To City	Date Fulfilled	Ship To	Submitted Status	Submitted Stat...	Requested Deli...	Pick1	Pick2 + ↺
0001				Address				Test	▼
0001				Address				Test3	1
									2
									3
									4
									5
									6
									7
									8

After adding

Customer *	Email(Contact)	Bill To City	Date Fulfilled	Ship To	Submitted Status	Submitted Stat...	Requested Deli...	Pick1 ▲	Pick2 + ↺
0001				Address				Test	▼
0001				Address				Test3	1
									3

11. Header →

```

/*To add the Header to the superGrid
Registered on onLoad*/

function header() {
    var superGrid = Xrm.Page.getSuperGrid("crmGrid"); /*Getting SuperGrid*/

    /*Adjusting the grid height*/
    $($superGrid)[0].editgrid.control.parent().find("[id=grid]").find("[id=crmGridSuperGrid]")
    [0].style.marginTop="27px";

    /*Removing the existed headerDiv*/
    $($superGrid)[0].editgrid.control.find("[class=gridDataDiv]")[0].style.top="54px";

    /*Adding new HeadreDiv*/
    $($superGrid)[0].editgrid.control.parent().find("[id=grid]").parent().find("[id=headerDiv]
    ").remove();
    $($superGrid)[0].editgrid.control.parent().find("[id=grid]").parent().prepend('<div
    id="headerDiv" style="position: absolute; background-color: rgb(241, 244, 247); top:
    1px;top-margin:70px;bottom-margin:70px;left:1px;" width="100%"><table
    ><tr><td>Address1_Latitude</td><td><input type="text" style = "border: 0px solid #000000; "
    id="txtBox" size="15" readonly="true"/></td></tr></table></div>');

    /*calling retrieve function*/
    retrieve();

    for (var j = 0; j < superGrid.editgrid.grid.Columns.length; j++) {
        if (superGrid.editgrid.grid.Columns[j].AttributeName == 'address1_latitude') {
            /*Registering AddOnEditComplete event*/
            superGrid.editgrid.grid.Columns[j].AddOnEditComplete(retrieve)
        }
    }
}

function retrieve(e) {
    /*declaring double value */
    var latitude = 0.00;
    var superGrid = Xrm.Page.getSuperGrid("crmGrid");

    /*Retrieving All Records*/
    var allRecords = superGrid.editgrid.getAllRecords();
    for(var i=0;i<allRecords.length;i++) {
        if(allRecords[i].GetValue("address1_latitude") != null ||
allRecords[i].GetValue("address1_latitude") != undefined) {

            /*getting value*/
            latitude = latitude+allRecords[i].GetValue("address1_latitude");
        }
    }

    /*Adding value to the textBox*/
    $($superGrid)[0].editgrid.control.parent().find("[id=grid]").parent().find("[id=headerD
iv]").parent().find("[id=txtBox]").val(latitude);
}

```

OutPut :-

Accounts My Active Accounts ▾ Collaborate Search for records												
Address1_Latitude 40.5 + ↺ <												
☐ Account Name *	Address 1: City	Parent Account	Primary Contact	opportunityid	Currency	Industry	Payment Terms	Last Date Inclu...	Send Marketin...	Credit Hold	Owner	Status Reason Address 1: Latitude ▲
☐ 2111	nalgonda	2121	jilani khan		Rupee;	Consulting		11/18/2013	Send	Yes	kranthi...	Active 1.25000
☐ 212111	hyd		jilani khan	12344test	Rupee;	Agriculture and N...	Net 30		Send	No	kranthi...	Active 12.00000
☐ 2121	hyd	2111	jilani khan		Rupee;	Agriculture and N...	2% 10, Net 30	11/18/2013	Send	Yes	kranthi...	Active 12.25000
☐ 2121	delhi		ram		Rupee;	Brokers	2% 10, Net 30	10/6/2013	Send	No	kranthi...	Active 15.00000

Click here to view the chart.

12. Footer →

```

/*To add the footer to the superGrid
Registered on onLoad*/

function foot() {
    var superGrid = Xrm.Page.getSuperGrid("crmGrid");

    /*Adjusting the grid height*/
    $($superGrid)[0].editgrid.control().find("[class=gridDataDiv]")[0].style.bottom="50px";

    /*Adjusting the gridPaging with the bottom property*/
    $($superGrid)[0].editgrid.control().parent().find("[id=grid]").find("[id=gridPaging]")[0]
.style.bottom="22px";

    /*Removing the existed footerDiv*/
    $($superGrid)[0].editgrid.control().parent().find("[id=grid]").find("[id=footerDiv]").rem
ove();

    /*Adding the new footerDiv */
    $($superGrid)[0].editgrid.control().parent().find("[id=grid]").append('<div
id="footerDiv" style="position: absolute; background-color: rgb(241, 244, 247); bottom: 0px;top-
margin:70px;bottom-margin:70px;" width="100%"><table ><tr><td>Address1_Latitude</td><td><input
type="text" style = "border: 0px solid #000000; " id="txtBox1" size="15"
readonly="true"/></td></tr></table></div>');

    /*Calling retrieve function*/
    footRetrieve();

    for (var j = 0; j < superGrid.editgrid.grid.Columns.length; j++) {
        if (superGrid.editgrid.grid.Columns[j].AttributeName == 'address1_latitude') {

            /*Registering AddOnEditComplete event*/
            superGrid.editgrid.grid.Columns[j].AddOnEditComplete(footRetrieve)
        }
    }
}

function footRetrieve(e) {
    /*declaring double value */
    var latitude = 0.00;
    var superGrid = Xrm.Page.getSuperGrid("crmGrid");

    /*Retrieving all records*/
    var allRecords = superGrid.editgrid.getAllRecords();
    for(var i=0;i<allRecords.length;i++) {
        if(allRecords[i].GetValue("address1_latitude") != null ||
allRecords[i].GetValue("address1_latitude") != undefined) {

            /*Getting value*/
            latitude = latitude+allRecords[i].GetValue("address1_latitude");
        }
    }
}

```

```

/*Adding value to the textbox*/
$($(superGrid)[0].editgrid.control).parent().find("[id=grid]").parent().find("[id=footerDiv]").parent().find("[id=txtBox1]").val(latitude);
}

```

Out Put:-

Accounts My Active Accounts ▾						
Search for records						
Primary Contact	OpportunityID	Annual Revenue	Industry	Payment Terms	Last Date Inclu...	+
khan		Rs.1,200.00	Consulting		11/18/2013	Send
khan		Rs.1,000.00	Agriculture and N...	2% 10, Net 30	11/18/2013	Send
		Rs.1,500.00	Brokers	2% 10, Net 30	10/6/2013	Send
khan	12344test	Rs.100.00	Agriculture and N...	Net 30		Send

1 - 4 of 4 (0 selected) Page 1

Annual Revenue 3800

13. Change of Drop Down to Check Box → Function should contains parameter(e) to store the Event Object which should be passed to the function from the HTML application dynamically.

```

/*To overwrite DropDown control with the checkBox control in
Registered on onLoad*/

function changeToCheck() {
    var superGrid = Xrm.Page.getSuperGrid("crmGrid");
    for (var j = 0; j < superGrid.editgrid.grid.Columns.length; j++) {
        if (superGrid.editgrid.grid.Columns[j].AttributeName == 'credithold') {
            /*Registering AddOnEditEvent*/
            superGrid.editgrid.grid.Columns[j].AddOnEditEvent(changecheckbox)
        }
    }
}

function changecheckbox(e) {
    var superGrid = Xrm.Page.getSuperGrid("crmGrid");

    /*getting selected Record*/
    var selectedRecord = superGrid.editgrid.getSelected();

    /*Check the dropdown value based on the value build the check box.*/
    if(selectedRecord[0].GetValue("credithold")==true){

        /*Check Box control with checked*/
        $(e.currentControl).html('<input type="checkbox" name="myCheckbox"
checked="checked"/>');
    }
    else {

        /*Check Box control with unchecked*/
        $(e.currentControl).html('<input type="checkbox" name="myCheckbox"/>');
    }
}

```

Out Put:-

Before adding js :

OpportunityId	Annual Revenue	Industry	Payment Terms	Last Date Inclu...	Send Marketin...	Credit Hold	Owner	Status Reason	Address +
	Rs.1,500.00	Brokers	2% 10, Net 30	10/6/2013	Send	No	kranthi kumar jala...	Active	15.00000
	Rs.1,200.00	Consulting		11/18/2013	Send	Yes	kranthi kumar jala...	Active	1.25000
	Rs.1,000.00	Agriculture and N...	2% 10, Net 30	11/18/2013	Send	Yes	kranthi kumar jala...	Active	1.25000
344test	Rs.100.00	Agriculture and N...	Net 30		Send	No	kranthi kumar jala...	Active	12.00000

After adding js:

Terms	Last Date Inclu...	Send Marketin...	Credit Hold	Owner	Status Reason	Address +
	11/18/2013	Send	☒	kranthi kumar jala...	Active	1.25000
t 30	11/18/2013	Send	Yes	kranthi kumar jala...	Active	1.25000
t 30	10/6/2013	Send	No	kranthi kumar jala...	Active	15.00000
		Send	No	kranthi kumar jala...	Active	12.00000

14. Change of Color and Font

```
/*changing the entire row text color
Registered on onChange as name:Required (or) onSave*/

function rowColor() {
    var superGrid = Xrm.Page.getSuperGrid("crmGrid");

    /*getting selectedRecord*/
    var selectedRecord = superGrid.editgrid.getSelected();

    /*setting row text color*/
    selectedRecord.Row.Control.style.color = "red";

    /*setting the row background color*/
    selectedRecord.Row.Control.style.background = "yellow";
}
```

Out Put:-

Accounts		My Active Accounts ▾			Search for records	
☐	Account Name * ▲	Address 1: City	Parent Account	Primary Contact +		
☒	2111	naigonda	2121	jilani khan		
☐	2121	hyd	211121	jilani khan		
☐	2121	delhi		ram		
☐	212111	hyd		jilani khan		

```
/*changing the all rows color with tow different colors based on condition(i.e. even rows by
yellow & odd rows by green color)
Registered on onLoad*/
```

```
function changeAllRowsColor() {

    var superGrid = Xrm.Page.getSuperGrid("crmGrid");

    /*getting the all records*/
    var allRecords = superGrid.editgrid.getAllRecords();

    /*setting Column background color*/
    superGrid.editgrid.grid.Columns[2].Control.style.background = "red";

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

        /*checking the condition for even or odd rows*/
        if (i % 2 == 0)
        {
            /*setting the row text color with red*/
            allRecords[i].Row.Control.style.color = "red";

            /*setting the row background color with yellow*/
            allRecords[i].Row.Control.style.background = "yellow";

            /*setting the Cell background color*/
            allRecords[i].Row.Cells[2].Control.style.background = "#7FFF00";
        }
    }
}
```



```

else {
    /*setting the row text color with red*/
    allRecords[i].Row.Control.style.color = "red";

    /*setting the row background color with green*/
    allRecords[i].Row.Control.style.background = "green";

    /*setting the Cell background color*/
    allRecords[i].Row.Cells[2].Control.style.background = "#7FFF00";
}
}
}

```

Out Put:-

Account Name *	Address 1: City	Parent Account	Primary Contact
hg	delhi		jilani khan
hgjgh	hyd	hg	raj (sample)
hgjgh	hyd	hgjgh	jilani khan
hgjgh	hyd		raj (sample)

```

/*change the text font-style to all rows
Registered on onLoad*/

function changeAllRowsFont() {
    var superGrid = Xrm.Page.getSuperGrid("crmGrid");

    /*getting all records*/
    var allRecords = superGrid.editgrid.getAllRecords();
    for (var i = 0; i < allRecords.length; i++) {
        /*setting the font-size*/
        allRecords[i].Row.Control.styles.fontSize = "medium";

        /*setting the font-style as italic*/
        allRecords[i].Row.Control.style.fontStyle = "italic";

        /*setting the font as bold*/
        allRecords[i].Row.Control.style.fontWeight = "Bold";

        /*changing small letters to caps*/
        allRecords[i].Row.Control.style.fontVariant = "small-caps";
    }
}

```

Out Put:-

Account Name *	Address 1: City	Parent Account	Primary Contact
2111	NALGONDA	2121	JILANI KHAN
2121	HYD	2111	JILANI KHAN
2121	DELHI		RAM
212111	HYD		JILANI KHAN

15. Change of Text Color on Edit of Cell Data

```

/* To Change the current editing cell colour
Registered on onLoad*/

function cellcolor() {
    var superGrid = Xrm.Page.getSuperGrid("crmGrid");
    for(var i = 0; i<superGrid.editgrid.grid.Columns.length;i++) {
        if(superGrid.editgrid.grid.Columns[i].AttributeName == "name"){

            /*registering the AddOnEditComplete Event*/
            superGrid.editgrid.grid.Columns[i].AddOnEditComplete(changeCellColour);
        }
    }
}

function changeCellColour(e) {

    /*superGrid.editgrid.grid.CurrentEditingCell.Control.style.color="yellow";*/
    /*setting the current editing cell colour with yellow */
    /*setting current editing cell colour with red*/
    $(e.currentControl).css({"color": "red"});
}

```

Out Put:-

Accounts My Active Accounts ▾					Search for records 🔍	
☐	Account Name * ▲	Address 1: City	Parent Account	Primary Cor +		
☐	2121	nalgonda	21211	jilani khan		
☐	2121	hyd	2121	jilani khan		
☐	2121	hyd		jilani khan		
☒	2121	delhi		ram		

16. Change of Particular Column All Cell color and Text color

```
/*changing the text colour of particular cell in all rows  
Registered on onLoad*/
```

```
function allrowscolor() {  
    var superGrid = Xrm.Page.getSuperGrid("crmGrid");  
    for (var i = 0; i < superGrid.editgrid.grid.Columns.length; i++) {  
        if (superGrid.editgrid.grid.Columns[i].AttributeName == "address1_city") {  
            for (var j = 0; j < superGrid.editgrid.grid.Columns[i].Cells.length; j++) {  
  
                /*setting the cell colour with red*/  
                superGrid.editgrid.grid.Columns[i].Cells[j].Control.style.color = "red";  
  
                /*setting the cell background colour with yellow*/  
                superGrid.editgrid.grid.Columns[i].Cells[j].Control.style.backgroundColor =  
"yellow";  
            }  
            break;  
        }  
    }  
}
```

Out Put:-

Accounts My Active Accounts ▼					Search for records	
☐	Account Name * ▲	Address 1: City	Parent Account	Primary Contact	+ ↺	
☐	2111	nalgonda	2121	jilani khan	Click here to view	
☐	2121	hyd	2111	jilani khan		
☐	2121	delhi		ram		
☐	212111	hyd		jilani khan		

17. Change of All Rows and Text Color

```

/*changing the all rows color
Registered on onLoad*/
function changeAllRowsColor() {
    var superGrid = Xrm.Page.getSuperGrid("crmGrid");

    /*getting the all records*/
    var allRecords = superGrid.editgrid.getAllRecords();
    for (var i = 0; i < allRecords.length; i++) {

        /*setting the row text color with red*/
        allRecords[i].Row.Control.style.color = "red";

        /*setting the row background color with yellow*/
        allRecords[i].Row.Control.style.background = "yellow";
    }
}

```

Out Put:-

Accounts My Active Accounts ▾					
Search for records					
☐	Account Name * ▲	Address 1: City	Parent Account	Primary Contact	op + ↺
☐	2121	nalgonda	2121	jilani khan	
☐	2121	hyd	2121	jilani khan	
☐	2121	delhi		ram	
☐	2121	hyd		jilani khan	12344test