

Reading List Screen Data and Generating Liquid UI List of Checkboxes

Purpose: Reading List Screen Data: Extracting Material Numbers and Generating a List Checkboxes

This article explains how to generate a list of materials from the List screen, which facilitates the display of material details as needed.

Please follow the below steps:

Step-1 : Open the Script file "SAPLSTMTR_NAVIGATION.E0100.sjs" or Create it if it is not present in the WS Directory as configured in the "guixt.sjs" file.

Step-2 : Add the below Code Snippet and Save it.

//Deleting the Screen Controls

//Liquid UI Code:

//Deleting the Screen Controls

//Liquid UI Code:

```
del("X[IMAGE_CONTAINER]");
del("P[User menu]");
del("P[SAP menu]");
del("P[SAP Business Workplace]");
del("P[Display role menu]");
del("P[Add to Favorites]");
del("P[Delete Favorites]");
del("P[Delete Favorites]");
del("P[Delete Favorites]");
del("P[Change Favorites]");
del("P[Move Favorites down]");
del("P[Move Favorites up]");
del("P[Create role]");
```

//Function to set the screen layout.

```
function fn_navigate(param){
    set("V[z_screen]","");
    set("V[z_layout]","");
}
```

//Design Screen.

```
if(z_screen==undefined || z_screen==""){
    pushbutton([3,1], "@12@Generate Material List",{ "process":z_readfromlist});
    inputfield([1,1], "Max Entries", [1,12], {"name": "z_max", "size": "11"});
}
```

//Function to read the list screen data

```
function z_readfromlist(){
    title("Generating Material List...")
    z_material_array = [];
    lfvrow = 1;
    onscreen 'SAPLSMTR_NAVIGATION.0100'
        enter("/NSE16");
    onscreen 'SAPLSETB.0230'
        set('F[Table Name]', 'MARA');
        enter();

    onscreen '/1BCDWB/DBMARA.1000'
        set("F[MAX_SEL]", "&V[z_max]");
        enter("/8");

    onscreen 'SAPLSETB.0120'
        SCROLL_NEXT;;
        enter("/scrolltoline=&V[lfvrow]");
    onscreen 'SAPLSETB.0120'
        enter("/hscrollto=0");
    if(z_max=="1"){
        goto START;
    }
    if(lfvrow >= _listlastvisiblerow){
        goto END;
    }
    START;;
    lfvrow = _listfirstvisiblerow;
    llvrow = _listlastvisiblerow;
    z_row = 5;

    LOOP;;
    set("V[z_matval]", "&#[ "+z_row+",20]");
    z_material_array.push(z_matval);
    lfvrow = lfvrow+1;

    if(lfvrow <= _listlastvisiblerow){
        z_row = z_row+1;
        goto LOOP;
    }
    if(z_max==1){
        goto END;
    }
    else{
        goto SCROLL_NEXT
    }
    END;;

    for (var col = 0; col < z_material_array.length; col++) {
        var objReeb = <"#[ "+row+", "+col+" ]">;
```

```

        if (objReeb && objReeb.isValid) {
            var trimmedName = objReeb.name.toString().trim();
            if (trimmedName === '5' || trimmedName === '') {
                retString += value + ' ';
                value = "";
            } else if (trimmedName !== lastReebName) {
                value = trimmedName;
                lastReebName = value;
            }
        }
    }
}

set("V[z_layout]", "1");

enter("/3");
onscreen 'SAPLSETB.0120'
    enter("/3");
onscreen '/1BCDWB/DBMARA.1000'
    enter("/3");
onscreen 'SAPLSETB.0230'
    enter("/3");
onscreen 'SAPLSMTR_NAVIGATION.0100'
    enter("?");
set("V[z_screen]", "home");
}

//Function to checks the material(s) selection and navigate to MM03
function checkSelection() {
    selected = [];
    for (k=0; k<z_material_array.length;k++) {
        var chkName = "chk"+ (k+1);
        if (eval(chkName) == 'X') {
            selected.push(z_material_array[k]);
        }
    }
    if (selected.length > 1) {
        return("Execute one Material at a Time ");
    }
    if (selected.length == 0) {
        return("No Materials Selected");
    }
    enter("/nmm03")
    onscreen 'SAPLMGMM.0060'
    set("F[Material]", selected[0]);
    enter();
    onscreen 'SAPLMGMM.0070'
        set("cell[Table,0,1]", "X");
        set("cell[Table,0,2]", "X");
        set("cell[Table,0,3]", "X");
        set("cell[Table,0,4]", "X");

```

```

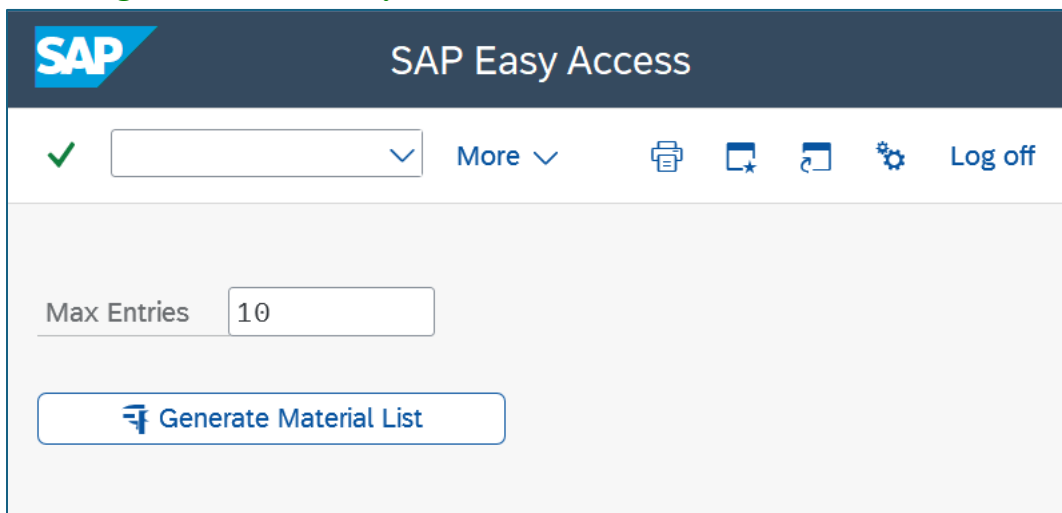
        set("cell[Table,0,5]", "X");
        set("cell[Table,0,6]", "X");
        set("cell[Table,0,7]", "X");
        set("cell[Table,0,8]", "X");
        set("cell[Table,0,9]", "X");
        set("cell[Table,0,10]", "X");
        set("cell[Table,0,11]", "X");
        enter("/6");
    onscreen 'SAPLMGMM.0080'
        enter();
    onscreen 'SAPLMGMM.0080'
        enter();
    onscreen 'SAPMSDYP.0010'
        enter();
}

//Design Screen
if(z_layout=="1"){
    box([1,0], [z_material_array.length+5,25], "Material List");
    pushbutton([z_material_array.length+3,2], "@16@Display
Material",{ "process":checkSelection,"size":[2,21]});
    pushbutton([TOOLBAR], "@H9@Home","?",{"process":fn_navigate ,
"using":{"l_screen":""}});
    for(l=0,m=3;l<z_material_array.length;l++,m++)
        checkbox([m,2], z_material_array[l],{name: "chk"+(l+1)});
}

```


Execution:







1. Navigate to the SAP Easy Access Screen and Enter the value in the max




The screenshot shows the SAP Easy Access interface. At the top, there is a dark blue header with the SAP logo and the text "SAP Easy Access". Below the header, there is a navigation bar with a green checkmark, a dropdown menu, and the text "More". To the right of the navigation bar are several icons: a printer, a star, a refresh icon, a gear, and the text "Log off". The main content area is light gray. It contains a label "Max Entries" followed by a text input field containing the number "10". Below this, there is a button with a blue icon and the text "Generate Material List".

Generating Material List...


 Generating Material List....







  More     Log off

Max Entries



2. Select any one material and click on Execute.

 SAP Easy Access

  More     Log off

Material List

☐ 00000000000000000023

☐ 00000000000000000038

☐ 00000000000000000043

☐ 00000000000000000058

☒ 00000000000000000059

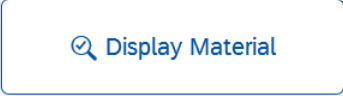
☐ 00000000000000000068

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☐ 00000000000000000098



3. It will navigate to the MM03 Display Material Screen.

The screenshot shows the SAP MM03 Display Material Screen for Material 59 (Operating supplies). The interface includes a top navigation bar with the SAP logo and the title "Display Material 59 (Operating supplies)". Below the navigation bar, there is a status bar with a green checkmark, a dropdown menu, and a "More" button. The main content area is divided into three tabs: "Basic data 1", "Basic data 2", and "Plant data / stor. 1". The "Basic data 1" tab is selected. The "Material" field contains the value "59", and a "Filter" button is visible. Below the material number, there is a small icon. The "General Data" section contains several fields: "Base Unit of Measure" (ST), "piece(s)", "Material Group", "Old material number", "Ext. Matl Group", "Division", "Lab/Office", "Product allocation", "X-plant matl status", "Valid from", and "Assign effect. vals". The "Material authorization group" section contains the "Authorization Group" field. The bottom of the screen shows a large empty text area.

< **SAP** Display Material 59 (Operating supplies)

✓ [] More ▾ [] [] [] [] Exit

Basic data 1 Basic data 2 Plant data / stor. 1 > ▾

Material 59 Filter

68

General Data

Base Unit of Measure	ST	piece(s)	Material Group
Old material number			Ext. Matl Group
Division			Lab/Office
Product allocation			
X-plant matl status			Valid from
<input type="checkbox"/> Assign effect. vals			GenItemCatGroup

Material authorization group

Authorization Group

< > [] < >

****END****