

# Liquid UI: Read List Screen Data

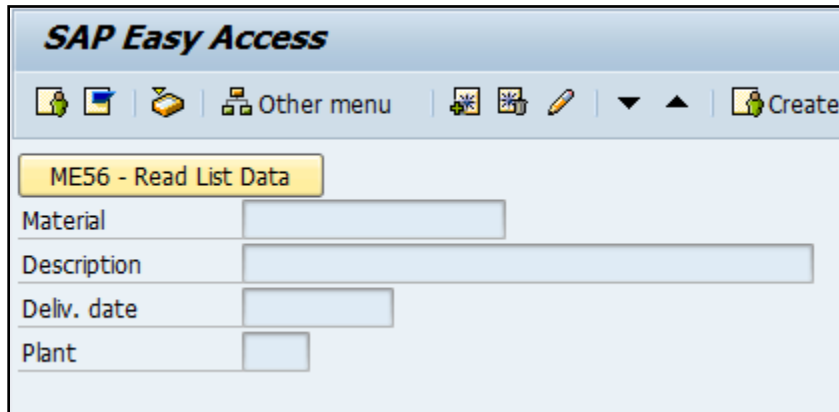
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## Purpose

Read data from a screen containing a list.

## User Interface

Log into SAP and on the SAP Easy Access Screen click on 'ME56 – Read List Data' pushbutton.



The screenshot displays the SAP Easy Access interface. At the top, the title bar reads "SAP Easy Access". Below the title bar is a toolbar with icons for navigation and a "Create" button. A yellow pushbutton labeled "ME56 - Read List Data" is visible. Below this button are four input fields with labels: "Material", "Description", "Deliv. date", and "Plant".

## Liquid UI Code [Script]

### User Interface file –

```
SAPLSMTR_NAVIGATION.E0100.sjs
1
2 // Function to trim blank spaces at the end of the string
3 String.prototype.trim=function(){return this.replace(/\s+$/g,'');}
4
5 // Function to check if the string value is blank
6 function isBlank(jvar){
7     if(typeof jvar == 'string') {
8         jvar = jvar.trim();
9     }
10    if(typeof jvar == 'undefined') {
11        jvar = '';
12    }
13    return(jvar == 'undefined' || jvar == undefined || jvar == null || jvar == "" || jvar == void 0);
14 }
15
16
17
18 *****
19 *** Use this function to read a single line out of a list screen.
20 *** This function can only be used to read data rows that are visible on the current screen, and not header rows or other rows.
21 *** format: readListString(<OPTION>,<FIRST_DATA_ROW_NUMBER--OPTIONAL>);
22 <OPTION>: Integer specifying an absolute row number
23           'last' specifying the last row of data in the list
24           'lastvisible' specifying the last row of data on the current page
25 *** eg: var listString = readListString(5,3); // This will return the data in row 5 of the page
26 ***      var listString = readListString('last',3); // This will return the last data row
27 ***      var listString = readListString('lastvisible',3); //This will return the data of last row on the current page
28
29 NOTE: For 'last' and 'lastvisible' we make use of the WS variables _listlastrow and _listlastvisiblerow. These variables
30 return the last row number and the last visible row number, and does not take into account the header rows of the list table.
31 For example, if there is 1 row of headers, and the table data rows start at line 3 (headers will be rows 0,1,2), then you will need to
32 pass 3 as the 2nd argument in your function.
33
34 If firstDataRow is not passed in, it will be calculated as the row after 644444... which denotes |----- junction
35 *****/
36 function readListString(row,firstDataRow){
37     retString = "";
38     value = "";
39     set("V[firstVisRow]", _listfirstvisiblerow);
40     set("V[lastVisRow]", _listlastvisiblerow);
41     set("V[lastRow]", _listlastrow);
42
43     firstVisRow = parseInt(firstVisRow,10);
44     lastVisRow = parseInt(lastVisRow,10);
45     lastRow = parseInt(lastRow,10);
46
47     if (firstDataRow == void 0 || isBlank(firstDataRow.toString().trim())){
48         nRow = 1;
49         for (var iRow = 0; iRow < nRow; iRow++){
50             objReeb = "<"+iRow.toString()+">";
51             if (objReeb.name.label != void 0 && objReeb.name.label.indexOf('644444')>-1){
52                 firstDataRow = iRow + 1;
53             }
54         }
55     }
56 }
```

```

52         break;
53     }
54     nRow++;
55 }
56 }
57
58 if (row != 'lastvisible' && row != 'last'){
59     if ((row > lastRow + firstDataRow - 1) || (row < firstDataRow)){
60         return ('E: Cannot find data');
61         goto SCRIPT_END;
62     }
63 }
64
65 // if the firstDataRow is provided, check if the user is trying to read the lastRow or lastVisibleRow.
66 if (firstDataRow != void 0 && !isBlank(firstDataRow.toString().trim())){
67     if (row == 'last' || row == 'lastvisible'){
68         if (row == 'last'){
69             row = lastRow;
70         } else if (row == 'lastvisible'){
71             row = lastVisRow;
72         }
73         row = parseInt(row,10);
74         row += firstDataRow - 1;
75     }
76
77     if ((row < (lastVisRow + firstDataRow)) && (row >= (firstVisRow + firstDataRow - 1))){
78         //data to be read is on the same page.
79         //adjust row number - must be relative to the current page
80         row = row - firstVisRow + 1;
81         goto CONTINUE_READ;
82     } else if (row >= (lastVisRow + firstDataRow)){ //scroll page down
83         enter({'process':scroll_down});
84         goto SCRIPT_END;
85     } else { // scroll page up
86         enter({'process':scroll_up});
87         goto SCRIPT_END;
88     }
89 }
90
91 CONTINUE_READ;
92 for (var col=0; col<1000; col++){
93     var objReeb = <#"["+row+","col+"]">;
94     if (objReeb.isValid){
95         if (objReeb.name.label == '5' || isBlank(objReeb.name.toString().trim())){
96             retString += value + ' ';
97             value = "";
98         } else if (objReeb.name != lastReebName){
99             value = objReeb.name;
100             lastReebName = value;
101         }

```

```

102     }
103 }
104
105 return(retString);
106 SCRIPT_END;
107 }
108
109 // Function to navigate to ME56 and read the list screen data
110 function readListData(){
111     onscreen 'RM06BZ00.1000' // ME56 Transaction
112     enter('/8');
113
114     onscreen 'RM06BL00.0120'
115     var listidx=5;
116     var listString1 = readListString(listidx,3);
117     var listString2 = readListString(listidx+1,3);
118
119     set('V[z_me56_matl]',listString1.substring(0,18).trim());
120     set('V[z_me56_desc]',listString1.substring(18,59).trim());
121     set('V[z_me56_deldate]',listString2.substring(27,37).trim());
122     set('V[z_me56_plant]',listString2.substring(52,56).trim());
123     enter('/n');
124 }
125
126 // User Interface
127 clearscreen();
128 pushbutton([0,0], "ME56 - Read List Data", "/nME56", {"process":readListData});
129 inputfield([1,0], "Material", [1,16], {"size":18, "name":"z_me56_matl", "readonly":true});
130 inputfield([2,0], "Description", [2,16], {"size":40, "name":"z_me56_desc", "readonly":true});
131 inputfield([3,0], "Delivery date", [3,16], {"size":10, "name":"z_me56_deldate", "readonly":true});
132 inputfield([4,0], "Plant", [4,16], {"size":4, "name":"z_me56_plant", "readonly":true});

```