

# Liquid UI: Re-Order List to Remove Empty Rows

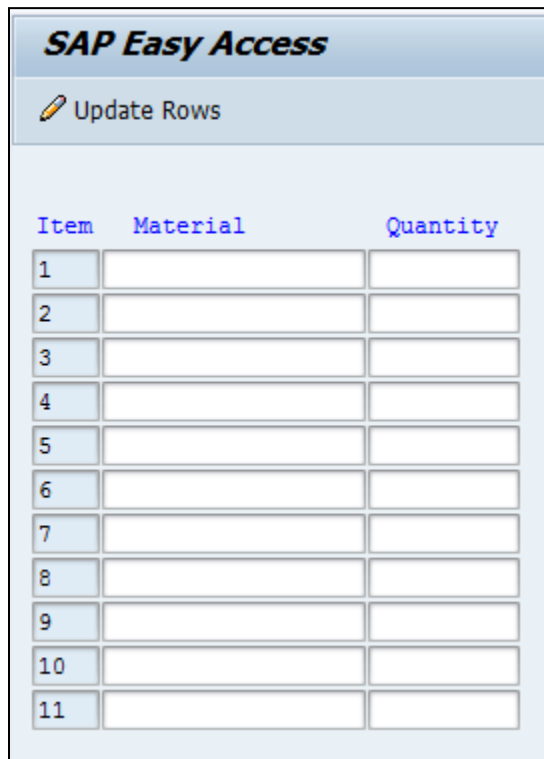
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## Purpose

To remove all the empty rows in a list and move the populated rows in Order.

## User Interface

Log into SAP and on the SAP Easy Access Screen you will see the Liquid UI fields. Enter the materials and quantities and click on 'Update Rows' on the toolbar.



The screenshot displays the SAP Easy Access interface. At the top, there is a header bar with the text "SAP Easy Access". Below this, a toolbar contains a button labeled "Update Rows" with a pencil icon. The main area features a table with three columns: "Item", "Material", and "Quantity". The table contains 11 rows, numbered 1 through 11 in the "Item" column. The "Material" and "Quantity" columns are empty for all rows.

Item	Material	Quantity
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		

## Liquid UI Code [Script]

### User Interface file –

```
SAPLSMTR_NAVIGATION.E0100.sjs
1
2 // Purpose: Function is called to remove blank spaces
3 String.prototype.trim=function(){return this.replace(/^\s+|\s+$/g,'');}
4
5 // Purpose: Function is called to validate if the variable holds blank or null value
6 function isBlank(jvar){
7     if(typeof jvar == 'string') {
8         jvar = jvar.trim();
9     }
10    return(jvar == 'undefined' || jvar == null || jvar == "" || jvar == void 0);
11 }
12
13 //Move next available item in the list to blank row
14 function updateRows(){
15     for(var i=1;i<z_endrow;i++){
16         set('V[z_temp_mat]','&V[z_material_&V[i]]');
17         set('V[z_temp_qty]','&V[z_quantity_&V[i]]');
18         z_temp_mat = z_temp_mat.trim();
19         z_temp_qty = z_temp_qty.trim();
20
21         // Make Material required if Quantity is entered
22         if((isBlank(z_temp_mat)) && (!isBlank(z_temp_qty))){
23             return("E: Please enter Material for Item: "+i);
24         }
25
26         // Make Quantity required if Material is entered
27         if(!isBlank(z_temp_mat) && (isBlank(z_temp_qty))){
28             return("E: Please enter Quantity for Item: "+i);
29         }
30
31         if((isBlank(z_temp_mat)) && (isBlank(z_temp_qty))){
32             for(var j=i+1; j<z_endrow; j++){
33                 set("V[z_temp_next_mat]", "&V[z_material_&V[j]]");
34                 set("V[z_temp_next_quan]", "&V[z_quantity_&V[j]]");
35                 z_temp_next_mat = z_temp_next_mat.trim();
36                 z_temp_next_quan = z_temp_next_quan.trim();
37
38                 if(!isBlank(z_temp_next_mat) && !isBlank(z_temp_next_quan)){
39                     //Copy the available item to blank row
40                     set("V[z_material_&V[i]]","&V[z_temp_next_mat]");
41                     set("V[z_quantity_&V[i]]","&V[z_temp_next_quan]");
42
43                     //Set the location to be blank
44                     set("V[z_material_&V[j]]", " ");
45                     set("V[z_quantity_&V[j]]", " ");
46                     break;
47                 }
48             }
49         }
50     }
51 }
```

```

53 // User Interface
54 del('X[IMAGE_CONTAINER]'); // Delete ActiveX Container on SAP Easy Access screen
55 del('P[User menu]');
56 del('P[SAP menu]');
57 del('P[SAP Business Workplace]');
58 del('P[Display role menu]');
59 del('P[Add to Favorites]');
60 del('P[Delete Favorites]');
61 del('P[Change Favorites]');
62 del('P[Move Favorites down]');
63 del('P[Move Favorites up]');
64 del('P[Create role]');
65 del('P[Assign users]');
66 del('P[Documentation]');
67
68 z_endrow = 12; // Update row count here
69 comment([1,1], "Item Material Quantity");
70 for(item_counter=1; item_counter<z_endrow; item_counter++){ // Display 10 rows on UI
71     inputfield([item_counter+1,1], {"name":"z_item_&V[item_counter]", "size":4, "readonly":"true", "alignright":"true", "nolabel":"true"});
72     inputfield([item_counter+1,6], {"name":"z_material_&V[item_counter]", "size":18, "nolabel":"true"});
73     inputfield([item_counter+1,25], {"name":"z_quantity_&V[item_counter]", "size":10, "nolabel":"true"});
74     set("V[z_item_&V[item_counter]]", item_counter);
75 }
76
77 pushbutton([TOOLBAR], "@02@Update Rows", '?', {"process":updateRows});

```