

# Liquid UI: Table Scroll

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Basic example of Table Scroll implementation.

## User Interface

Navigate to VA02 or VA03 transaction

The screenshot shows the SAP 'Change Sales Order: Initial Screen' interface. At the top is a menu bar with 'Sales document', 'Edit', 'Goto', 'Environment', 'System', and 'Help'. Below the menu bar is a toolbar with various icons. The main title is 'Change Sales Order: Initial Screen'. Below the title is a navigation bar with tabs: 'Sales', 'Item overview', 'Ordering party', and 'Orders'. To the right of the tabs are icons for 'Save', 'Delete', and 'Reset'. The main area contains a text field labeled 'Order' with a cursor. Below the text field is a table with two columns: 'Sales Order Data' and 'All items'. The 'Sales Order Data' column contains the following rows: 'Standard Order', 'Sold-to Party', 'Ship-to Party', 'PO Number', and 'PO date'. The 'All items' column is currently empty.

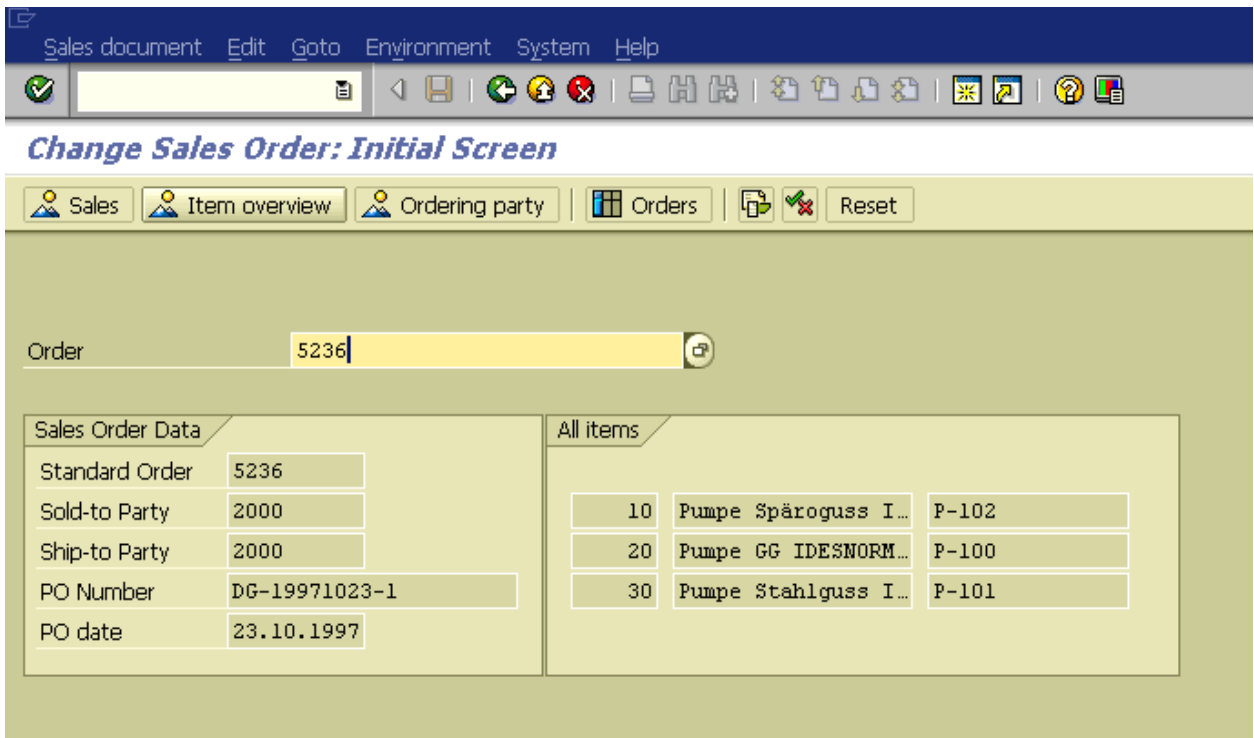
Sales Order Data	All items
Standard Order	
Sold-to Party	
Ship-to Party	
PO Number	
PO date	

Enter a sales order and hit enter.

The sales order data will populate along with any items in the sales order.

## Sales order shown

Layout after data is fetched.



## Liquid UI Code [Script]

```
////////////////////////////////////  
// Author: Synactive, Inc. [1065 E. Hillsdale Blvd, Foster City, CA, 94404, USA]  
// Email: support@guixt.com; sales@guixt.com;  
// Contact: 650.341.3310  
// Version: 1.0.0.0  
////////////////////////////////////  
  
////////////////////////////////////  
// DESIGN  
////////////////////////////////////  
  
onUIEvents['Enter']={"process":va03_execute};  
  
del("G[Search Criteria]");  
  
pushbutton([TOOLBAR], "Reset", "?", {"process":clearValues});  
  
box([4,0], [10,40], "Sales Order Data");  
inputfield([5,2], "Standard Order", [5,17], {"size":10, "readonly":true, "name":"z_va03_standard_order"});  
inputfield([6,2], "Sold-to Party", [6,17], {"size":10, "readonly":true, "name":"z_va03_sold_to"});  
inputfield([7,2], "Ship-to Party", [7,17], {"size":10, "readonly":true, "name":"z_va03_ship_to"});  
inputfield([8,2], "PO Number", [8,17], {"size":22, "readonly":true, "name":"z_va03_po_number", "maxlength":35});  
inputfield([9,2], "PO date", [9,17], {"size":10, "readonly":true, "name":"z_va03_po_date"});  
  
// Initialize z_item_toal  
if(!z_item_toal){  
    z_item_toal = 0;  
}  
  
// Use z_item_toal to dynamically create the box size and run the for loop  
box([4,42], [6+z_item_toal,90], "All items");  
for(i=1; i<z_item_toal; i++){  
    inputfield([5+i,44], {"nolabel":true, "readonly":true, "size":6, "name":"z_va03_item_&V[i]"});  
    inputfield([5+i,52], {"nolabel":true, "readonly":true, "size":18, "name":"z_va03_desc_&V[i]"});  
    inputfield([5+i,72], {"nolabel":true, "readonly":true, "size":15, "name":"z_va03_mat_&V[i]"});  
}
```

```

////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////
// FUNCTIONS
////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////

// This function clears all variables we use, triggered on the pushbutton "Reset"
function clearValues(){
    set("V[z*]", "");
}

// This function will go to the next screen, grab the data and come back to the initial Sales Order screen
function va03_execute(){
    // Use an onmessage to capture any error the user may enter
    onmessage
    if(_message.substring(0,2)=="E:"){
        message(_message);
        enter("?");
        goto FUNC_END;
    }
    else{
        enter(); // In case there is a warning message
    }

    onscreen 'SAPMV45A.4001'
    // Grab the Sales Order Data
    set("V[z_va03_standard_order]","&F[Standard Order]");
    set("V[z_va03_sold_to]","&F[Sold-to party]");
    set("V[z_va03_ship_to]","&F[Ship-to party]");
    set("V[z_va03_po_number]","&F[PO Number]");
    set("V[z_va03_po_date]","&F[PO date]");

    // Table Scroll begins here
    absrow = 1;
    relrow = 1;
    z_item toal = 0;

    // Fetch the table attributes
    gettableattribute("T[All items]", {"firstvisiblerow":"FVisRow", "lastvisiblerow":"LVisRow", "lastrow":"LastRow"});

```

```

new_screen::
    // Scroll to the absolute row
    enter("/ScrollToLine=&V[absrow]", {"table":"T[All items]"});

    onscreen 'SAPMV45A.4001'
    // Refetch table attributes, in case they might of changed
    gettableattribute("T[All items]", {"firstvisiblerow":"FVisRow", "lastvisiblerow":"LVisRow", "lastrow":"LastRow"});
    // Reset the relevant row
    relrow = 1; // reset the relative row with a new screen

new_row::
    if(absrow>LVisRow){
        // end of the screen?
        goto new_screen;
    }
    if(absrow>LastRow){
        // end of the table?
        goto end_of_table;
    }

    // Grab the values we want from the row
    set("V[z_va03_item_&V[absrow]]", "&cell[All items,Item,&V[relrow]]");
    set("V[z_va03_desc_&V[absrow]]", "&cell[All items,Description,&V[relrow]]");
    set("V[z_va03_mat_&V[absrow]]", "&cell[All items,Material,&V[relrow]]");

    // Increment out counters
    z_item_toal++;
    absrow++;
    relrow++;
    goto new_row;

end_of_table::
    // Scroll back to the top of the table
    enter("/ScrollToLine=1", {"table":"T[All items]"});

    onscreen 'SAPMV45A.4001'
    // Go back to the initial screen
    enter("/3");

FUNC_END::
}

```