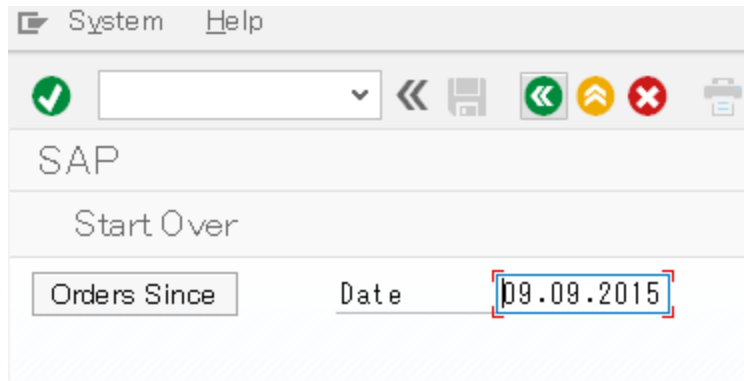


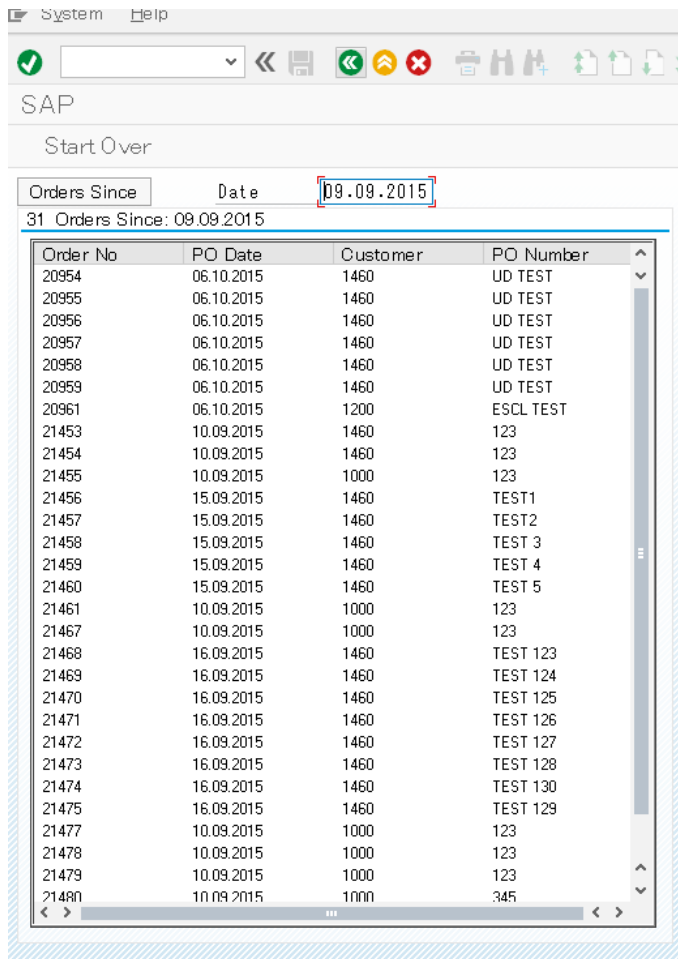
Integrating List View Control within SAPGUI

User Interface



The screenshot shows the SAP GUI 'Start Over' screen. At the top, there is a menu bar with 'System' and 'Help'. Below it is a toolbar with various icons. The main area contains the text 'SAP' and 'Start Over'. At the bottom, there is a button labeled 'Orders Since' and a text field labeled 'Date' containing the date '09.09.2015'. The date field is highlighted with a red border.

Specify dates, and click on 'Orders Since' button



The screenshot shows the SAP GUI 'Start Over' screen after clicking the 'Orders Since' button. The date field 'Date' still contains '09.09.2015'. Below the 'Orders Since' button, a list view is displayed with the title '31 Orders Since: 09.09.2015'. The list view contains a table with four columns: 'Order No', 'PO Date', 'Customer', and 'PO Number'. The table lists 31 orders, each with a unique order number, a date, a customer number, and a description.

| Order No | PO Date | Customer | PO Number |
|----------|------------|----------|-----------|
| 20954 | 06.10.2015 | 1460 | UD TEST |
| 20955 | 06.10.2015 | 1460 | UD TEST |
| 20956 | 06.10.2015 | 1460 | UD TEST |
| 20957 | 06.10.2015 | 1460 | UD TEST |
| 20958 | 06.10.2015 | 1460 | UD TEST |
| 20959 | 06.10.2015 | 1460 | UD TEST |
| 20961 | 06.10.2015 | 1200 | ESCL TEST |
| 21453 | 10.09.2015 | 1460 | 123 |
| 21454 | 10.09.2015 | 1460 | 123 |
| 21455 | 10.09.2015 | 1000 | 123 |
| 21456 | 15.09.2015 | 1460 | TEST1 |
| 21457 | 15.09.2015 | 1460 | TEST2 |
| 21458 | 15.09.2015 | 1460 | TEST 3 |
| 21459 | 15.09.2015 | 1460 | TEST 4 |
| 21460 | 15.09.2015 | 1460 | TEST 5 |
| 21461 | 10.09.2015 | 1000 | 123 |
| 21467 | 10.09.2015 | 1000 | 123 |
| 21468 | 16.09.2015 | 1460 | TEST 123 |
| 21469 | 16.09.2015 | 1460 | TEST 124 |
| 21470 | 16.09.2015 | 1460 | TEST 125 |
| 21471 | 16.09.2015 | 1460 | TEST 126 |
| 21472 | 16.09.2015 | 1460 | TEST 127 |
| 21473 | 16.09.2015 | 1460 | TEST 128 |
| 21474 | 16.09.2015 | 1460 | TEST 130 |
| 21475 | 16.09.2015 | 1460 | TEST 129 |
| 21477 | 10.09.2015 | 1000 | 123 |
| 21478 | 10.09.2015 | 1000 | 123 |
| 21479 | 10.09.2015 | 1000 | 123 |
| 21480 | 10.09.2015 | 1000 | 345 |

Liquid UI Scripts

```
for (a=firstChild;a!=null;a=a.nextSibling){
    a.del();
}

pushbutton([0,1],"Orders Since","/0" ,{"process":getOrders});
inputfield([0,20],"Date",[0,30],{"name":"z_date","size":"10"});

if (isBlank(Z_SCRN)) {
} else {
    if (Z_SCRN == 'LIST') {
        pushbutton([TOOLBAR],"Start Over","/0" ,{"process":closeOrders});
        box([1,1],[26,62],"&V[z_rowcount] Orders Since: &V[z_date]");

        var listview = new ActiveXObject('COMCTL.ListViewCtrl');
        addToScreen(listview, [2,2], [26,62], "container1");
        listview.View = 3;

        if(listview.ColumnHeaders.Count == 0) {
            listview.ColumnHeaders.Add(1, "colkey1", "Order No");
            listview.ColumnHeaders.Add(2, "colkey2", "PO Date");
            listview.ColumnHeaders.Add(3, "colkey3", "Customer");
            listview.ColumnHeaders.Add(4, "colkey4", "PO Number");
        }

        for (var idx = 0; idx < z_rowcount; idx++) {

            keyid = idx + 1;

            set('V[keynumber]', 'key&V[idx]');

            set('V[vbeln]', '&V[vbeln_&V[idx]]');
            set('V[bstdk]', '&V[bstdk_&V[idx]]');
            set('V[kunnr]', '&V[kunnr_&V[idx]]');
            set('V[bstkd]', '&V[bstkd_&V[idx]]');

            keyno = parseInt(keyid);
            keynumberjs = keynumber;
            keyvaluevbeln = vbeln;
            keyvaluebstdk = bstdk;
            keyvaluekunnr = kunnr;
            keyvaluebstkd = bstkd;

            listview.ListItems.Add(keyno, keynumberjs, keyvaluevbeln);
            listview.ListItems(keyno).SubItems(1) = keyvaluebstdk;
            listview.ListItems(keyno).SubItems(2) = keyvaluekunnr;
            listview.ListItems(keyno).SubItems(3) = keyvaluebstkd;

        }
    }
}
```

Function to retrieve Orders using RFC Call to ABAP function module

```

function getOrders() {
    var selopt = [];
    var ordersTable = [];

    vmvaa = "VMVAA";
    bstdk = "BSTDK";
    i = "I";
    ge = "GE";
    from = z_date;

    z_queryOption = padString(vmvaa, 30, PADDING_RIGHT, " ");
    z_queryOption += padString(bstdk, 30, PADDING_RIGHT, " ");
    z_queryOption += i;
    z_queryOption += ge;
    z_queryOption += padString(from, 45, PADDING_RIGHT, " ");
    selopt.push(z_queryOption);

    call("Z_S10_SEARCHHELP", {
        "in.SEARCHHELP": "VMVAA", "in.COLUMNS": "VBELN(10),BSTDK(10),KUNNR(10),BSTKD(20)",
        "table.SELOPT": "selopt",
        "table.DATA(width:50)": "ordersTable"
    });

    for (var rowNumber = 0; rowNumber < ordersTable.length; rowNumber++) {
        var result = {
            vbeln: ordersTable[rowNumber].substring(0, 10),
            bstdk: ordersTable[rowNumber].substring(10, 20),
            kunnr: ordersTable[rowNumber].substring(20, 30),
            bstkd: ordersTable[rowNumber].substring(30, 50)
        };
        set("V[vbeln_&V[rowNumber]]", result.vbeln);
        set("V[bstdk_&V[rowNumber]]", result.bstdk);
        set("V[kunnr_&V[rowNumber]]", result.kunnr);
        set("V[bstkd_&V[rowNumber]]", result.bstkd);
    }
    Z_SCRN = 'LIST';
    set('V[z_rowcount]', ordersTable.length);
    return;
}

```