

Liquid UI: Dynamic Layout Changing

User Interface

Step 1

Create Work Order

Step 1 Step 2 Step 3 Step 4

Step 1 - General Data

Order Type	<input type="text"/>
Plant	<input type="text"/>
Business Area	<input type="text"/>
Reference Order	<input type="text"/>

Person Responsible	
Planner Group	<input type="text"/> / <input type="text"/>
Main Wrk. Ctr.	<input type="text"/> / <input type="text"/>
Person Res.	<input type="text"/>

Next

Step 2

Create Work Order

Step 1 Step 2 Step 3 Step 4

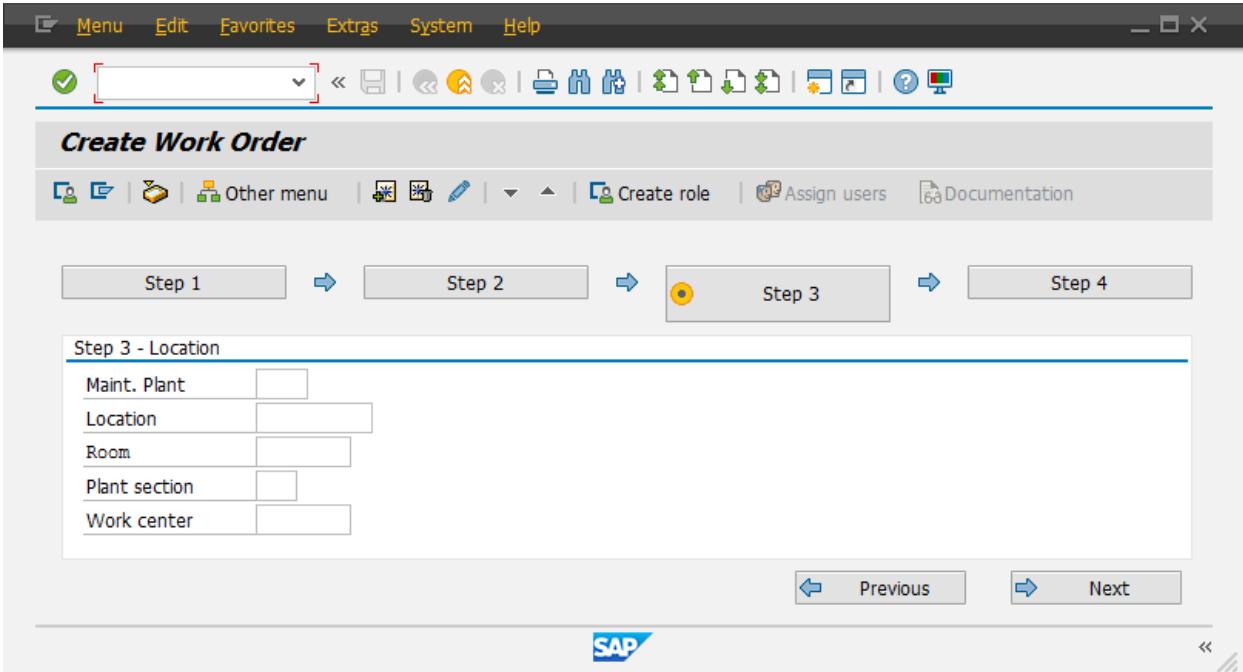
Step 2 - Date and Reference

Basic Start	<input type="text"/>
Basic Fin.	<input type="text"/>
Priority	<input type="text"/>
PMActType	<input type="text"/>

Reference object	
Func. Loc.	<input type="text"/>
Equipment	<input type="text"/>
Assembly	<input type="text"/>

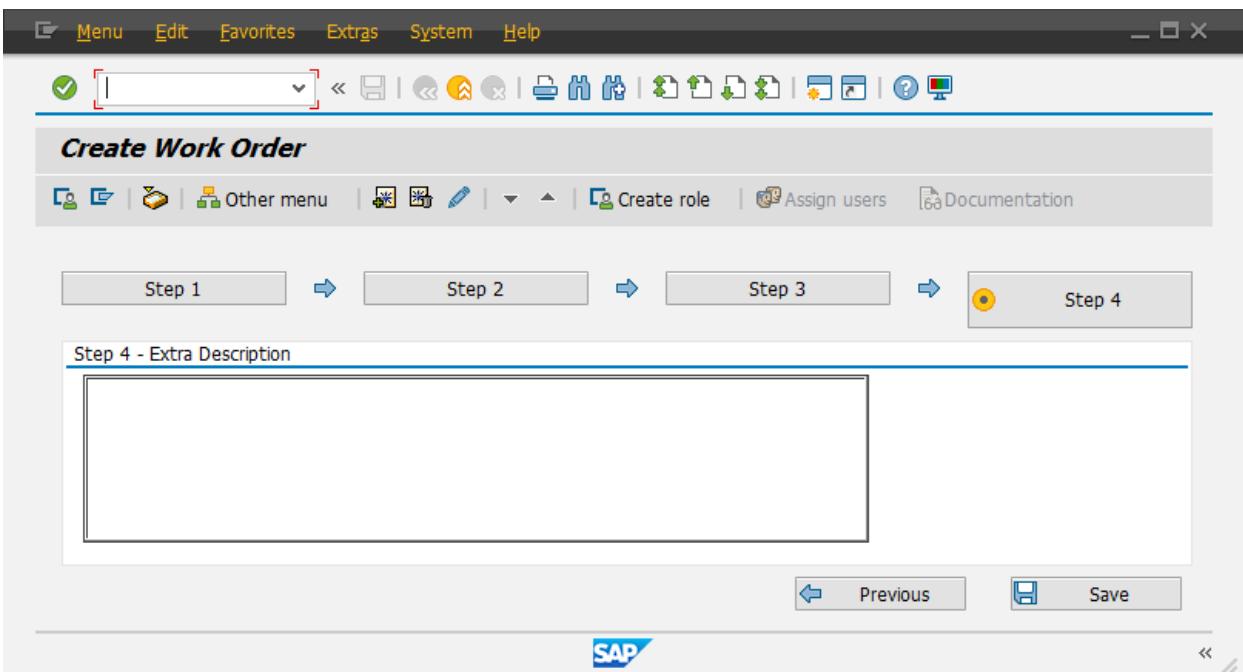
Previous **Next**

Step 3



The screenshot shows the SAP Create Work Order interface at Step 3. The title bar includes 'Menu', 'Edit', 'Favorites', 'Extras', 'System', and 'Help'. The toolbar has icons for search, print, and file operations. The main header says 'Create Work Order' with tabs for 'Step 1', 'Step 2', 'Step 3' (highlighted with a yellow dot), and 'Step 4'. Below is a section titled 'Step 3 - Location' with fields for Maint. Plant, Location, Room, Plant section, and Work center, each with a dropdown arrow icon. Navigation buttons 'Previous' and 'Next' are at the bottom.

Step 4



The screenshot shows the SAP Create Work Order interface at Step 4. The title bar includes 'Menu', 'Edit', 'Favorites', 'Extras', 'System', and 'Help'. The toolbar has icons for search, print, and file operations. The main header says 'Create Work Order' with tabs for 'Step 1', 'Step 2', 'Step 3', and 'Step 4' (highlighted with a yellow dot). Below is a section titled 'Step 4 - Extra Description' with a large text input field. Navigation buttons 'Previous' and 'Save' are at the bottom.

After Save

The screenshot shows the SAP Create Work Order interface after saving. The top navigation bar includes 'Menu', 'Edit', 'Favorites', 'Extras', 'System', and 'Help'. Below the menu is a toolbar with various icons. The main title is 'Create Work Order'.

The process is divided into four steps: Step 1, Step 2, Step 3, and Step 4. Step 1 is currently active, indicated by a yellow dot icon.

Step 1 - General Data

Order Type	<input type="text"/>
Plant	<input type="text"/>
Business Area	<input type="text"/>
Reference Order	<input type="text"/>

Person Responsible

Planner Group	<input type="text"/> / <input type="text"/>
Main Wrk. Ctr.	<input type="text"/> / <input type="text"/>
Person Res.	<input type="text"/>

Buttons at the bottom include 'Next' (with a right arrow) and a status message 'Order is created' with a green checkmark.

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
////////////////////////////////////////////////////////////////////////

//User Interface
clearscreen(); //Remove all SAP elements on screen

if(! lp_layout){ //Default all variables if layout value is not set
    lpReset(); //Default all variables
}

title("Create Work Order");
pushbutton([1,2], "iV[lp_btn_icon_step1]Step 1", "?",
    {"process":lpChangeLayout, "using":{"l_select":"1"}, "size":[lp_btn_height_step1,20]}); //Step 1
text([1,25], "#9T#"); //Step 1
pushbutton([1,30], "iV[lp_btn_icon_step2]Step 2", "?",
    {"process":lpChangeLayout, "using":{"l_select":"2"}, "size":[lp_btn_height_step2,20]}); //Step 2
text([1,53], "#9T#"); //Step 2
pushbutton([1,58], "iV[lp_btn_icon_step3]Step 3", "?",
    {"process":lpChangeLayout, "using":{"l_select":"3"}, "size":[lp_btn_height_step3,20]}); //Step 3
text([1,81], "#9T#"); //Step 3
pushbutton([1,86], "iV[lp_btn_icon_step4]Step 4", "?",
    {"process":lpChangeLayout, "using":{"l_select":"4"}, "size":[lp_btn_height_step4,20]}); //Step 4

if(lp_layout == 1){
    box([3,2], [9,105], "Step 1 - General Data");

    inputfield([4,4], "Order Type", [4,20], {"name":"iw31_order_type", "size":4}); //Order Type
    inputfield([5,4], "Plant", [5,20], {"name":"iw31_plant", "size":4}); //Plant
    inputfield([6,4], "Business Area", [6,20], {"name":"iw31_bus_area", "size":4}); //Business Area

    inputfield([8,4], "Reference Order", [8,20], {"name":"iw31_ref_order", "size":12}); //Reference Order

    box([4,50], [8,102], "Person Responsible");
    inputfield([5,52], "Planner Group", [5,68], {"name":"iw31_planner_grp", "size":3}); //Planner Group
    inputfield([5,73], "/", [5,75], {"name":"iw31_plant", "size":4, "readonly":true}); //Plant
    inputfield([6,52], "Main Wrk. Ctr.", [6,68], {"name":"iw31_main_wrk_ctr", "size":8}); //Main Wrk. Ctr.
    inputfield([6,73], "/", [6,80], {"name":"iw31_main_wrk_ctr_plant", "size":4}); //Main Wrk. Ctr. Plant
    inputfield([7,52], "Person Res.", [7,68], {"name":"iw31_bus_area", "size":4}); //Person Res.

    pushbutton([10,90], "#9T#Next", "?", {"process":lpChangeLayout, "using":{"l_select":"2"}, "size":[1,15]}); //Next
}
else if(lp_layout == 2){
    box([3,2], [5,105], "Step 2 - Date and Reference");

    inputfield([4,4], "Basic Start", [4,20], {"name":"iw31_basic_start", "size":10, "date":true}); //Basic Start
    inputfield([5,4], "Basic Fin.", [5,20], {"name":"iw31_basic_fin", "size":10, "date":true}); //Basic Fin.
    inputfield([6,4], "Priority", [6,20], {"name":"iw31_priority", "size":20}); //Priority

    inputfield([8,4], "PlnActType", [8,20], {"name":"iw31_ref_order", "size":3}); //PlnActType

    box([4,50], [8,102], "Reference object");
    inputfield([5,52], "Func. Logg.", [5,68], {"name":"iw31_func_loc", "size":18, "maxlength":40}); //Func. Logg.
    inputfield([6,52], "Equipment", [6,68], {"name":"iw31_equip", "size":18, "maxlength":40}); //Equipment
    inputfield([7,52], "Assembly", [7,68], {"name":"iw31_assembly", "size":18, "maxlength":40}); //Assembly

    pushbutton([10,70], "#9T#Previous", "?", {"process":lpChangeLayout, "using":{"l_select":"1"}, "size":[1,15]}); //Previous
    pushbutton([10,90], "#9T#Next", "?", {"process":lpChangeLayout, "using":{"l_select":"3"}, "size":[1,15]}); //Next
}
else if(lp_layout == 3){
    box([3,2], [9,105], "Step 3 - Location");

    inputfield([4,4], "Maint. Plant", [4,20], {"name":"iw31_maint_plant", "size":4}); //Maint. Plant
    inputfield([5,4], "Location", [5,20], {"name":"iw31_location", "size":10}); //Location
    inputfield([6,4], "Room", [6,20], {"name":"iw31_room", "size":8}); //Room
    inputfield([7,4], "Plant section", [7,20], {"name":"iw31_plant_section", "size":3}); //Plant section
    inputfield([8,4], "Work center", [8,20], {"name":"iw31_work_center", "size":8}); //Work center

    pushbutton([10,70], "#9T#Previous", "?", {"process":lpChangeLayout, "using":{"l_select":"2"}, "size":[1,15]}); //Previous
    pushbutton([10,90], "#9T#Next", "?", {"process":lpChangeLayout, "using":{"l_select":"4"}, "size":[1,15]}); //Next
}
else{
    box([3,2], [9,105], "Step 4 - Extra Description");

    textbox([4,4], [9,76], {"name":"iw31_text"}); //Extra Description

    pushbutton([10,70], "#9T#Previous", "?", {"process":lpChangeLayout, "using":{"l_select":"3"}, "size":[1,15]}); //Previous
    pushbutton([10,90], "#21#Save", "?", {"process":lpSaveOrder, "size":[1,15]}); //Save
}
```

```

//Function to reset all variables to default value
function lpReset(){
    var empty_string = "";                                //Declare an empty string

    lp_btn_icon_step1 = "";                             //Reset all button icon to empty
    lp_btn_icon_step2 = "";
    lp_btn_icon_step3 = "";
    lp_btn_icon_step4 = "";
    lp_btn_height_step1 = 1;                            //Reset all button height to 1
    lp_btn_height_step2 = 1;
    lp_btn_height_step3 = 1;
    lp_btn_height_step4 = 1;

    lp_layout = 1;                                     //Set initial layout as 1
    lp_btn_icon_step1 = "SAFB";                        //Set button 1 icon as selected
    lp_btn_height_step1 = 2;                           //Set button 1 height as 2

    copytext({{"fromstring": "empty_string", "totext": "iw3I_text"}});
} //Reset textbox

//Function to change value for layout and variables to corresponding selection
function lpChangeLayout(param){
    var cur_selection = param.l_select;                //Copy passed parameter

    set("V[lp_btn_icon_step]", "");                   //Reset all button icon
    lp_btn_height_step1 = 1;                          //Reset all button height
    lp_btn_height_step2 = 1;
    lp_btn_height_step3 = 1;
    lp_btn_height_step4 = 1;

    lp_layout = cur_selection;                      //Set layout
    set("V[lp_btn_icon_step&V[cur_selection]]", "SAFB"); //Set button icon
    set("V[lp_btn_height_step&V[cur_selection]]", 2); //Set button height
}

//Function to save the detail and reset all variables
function lpSaveOrder(){

    //Add save function at here

    lpReset();                                      //Reset all variables after save
    message("S:Order is created");                  //Display custom success message
}

```