

## Notify Bell Signal

### Purpose:

To Incorporate Beep Sound using Liquid UI Script in Liquid UI Android, Mobile

### Note:

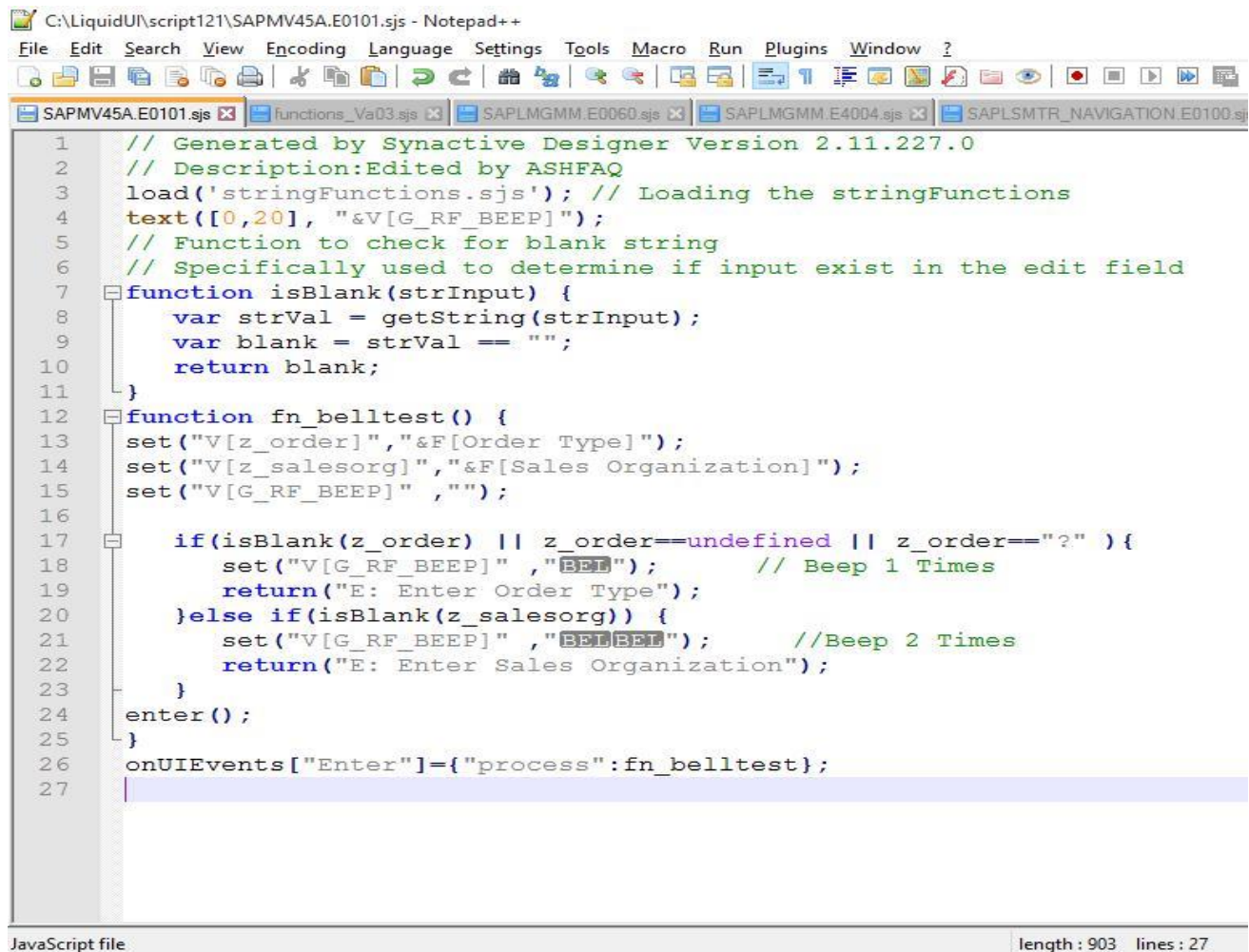
- Notify Bell Signal can only Tested in LUI Android, Mobile for Now.

### **Example Steps for VA01 Create Sales Order: Initial Screen:**

In the Below Example Implementing Notify Bell Signal in Va01(Create Sales Order: Initial Screen)

When the User Lefts the Order type, Sales Organization Fields as Blank and tries to Navigate to the Next Screen it will Notify the User with Beep Sound.

1. Create a script file “SAPMV45A.E0101.sjs” with the following code and save it in your WS scripts directory as configured in “guixt.sjs” file.

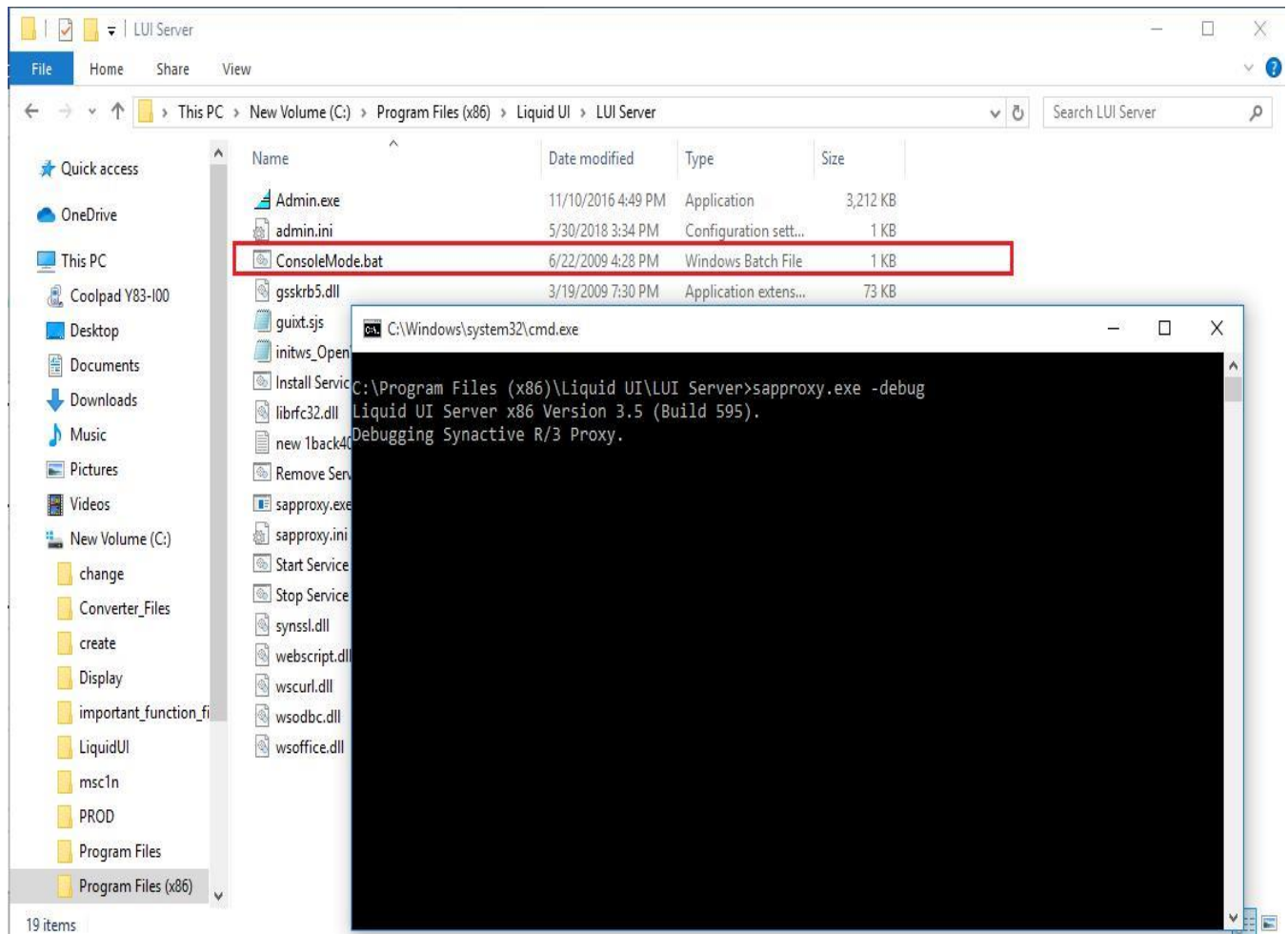


```
1 // Generated by Synactive Designer Version 2.11.227.0
2 // Description: Edited by ASHFAQ
3 load('stringFunctions.sjs'); // Loading the stringFunctions
4 text([0,20], "&V[G_RF_BEEP]");
5 // Function to check for blank string
6 // Specifically used to determine if input exist in the edit field
7 function isBlank(strInput) {
8     var strVal = getString(strInput);
9     var blank = strVal == "";
10    return blank;
11 }
12 function fn_belltest() {
13     set("V[z_order]", "&F[Order Type]");
14     set("V[z_salesorg]", "&F[Sales Organization]");
15     set("V[G_RF_BEEP]", "");
16
17     if(isBlank(z_order) || z_order==undefined || z_order=="?" ) {
18         set("V[G_RF_BEEP]", "BEEP"); // Beep 1 Times
19         return("E: Enter Order Type");
20     } else if(isBlank(z_salesorg)) {
21         set("V[G_RF_BEEP]", "BEEP BEEP"); // Beep 2 Times
22         return("E: Enter Sales Organization");
23     }
24     enter();
25 }
26 onUIEvents["Enter"]={"process":fn_belltest};
27
```

JavaScript file length : 903 lines : 27

2. Start the Liquid UI Server from the path.

**C:\Program Files (x86) \Liquid UI\LUI Server**



### 3. Setting up the Connection in the Liquid UI Android Device.

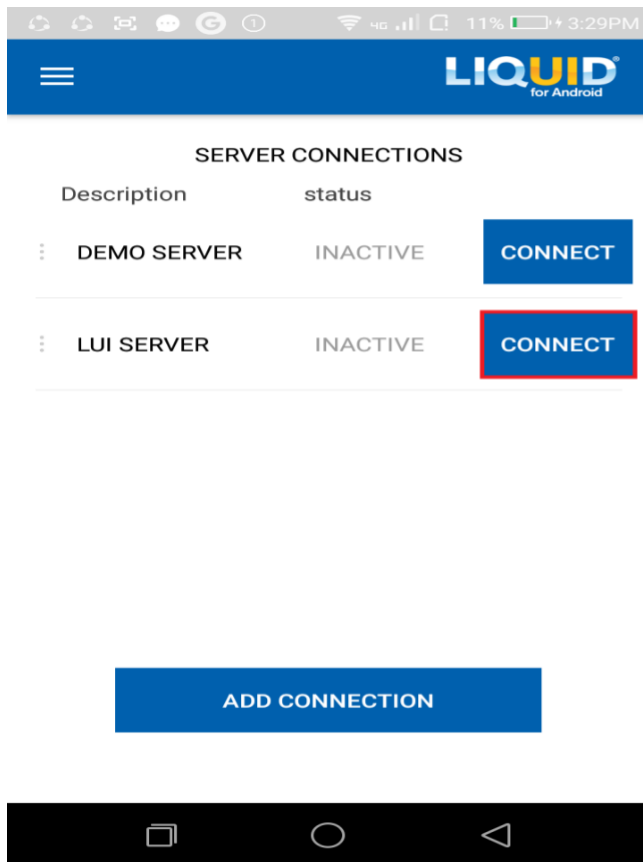
Provide the Connection Parameters and Click on the Connect to my SAP Button

The screenshot shows the 'LIQUID for Android' interface for setting up a connection. The status bar at the top indicates 11% battery and 3:13 PM. The app header has a back arrow and the 'LIQUID for Android' logo. The settings are as follows:

- Security Lock:** OFF
- Description:** LUI SERVER (Description of the Connection)
- Application Server:** 192.168.0.107 (IP Address of the Machine (to find it run "ipconfig in Command Prompt"))
- Instance Number:** 10 (Instance Number which can be found in SAPPROXY.INI)
- Client:** 800 (Client)
- SAP Router:** Optional
- User Name:** ashfaq (Username)
- Password:** ..... (Password)
- Language:** EN (Language)
- Auto Logon:** ON
- TLS:** OFF

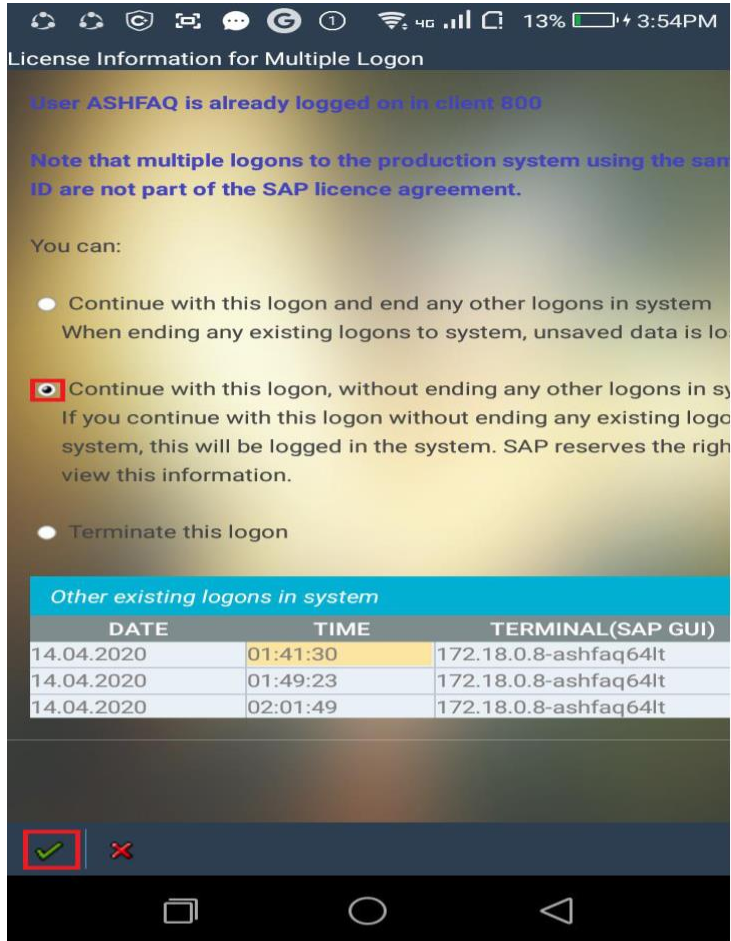
A large blue button at the bottom is labeled **CONNECT TO MY SAP**.

#### 4. Click on the **CONNECT** Button



```
C:\Program Files (x86)\Liquid UI\LUI Server>saproxy.exe -debug
Liquid UI Server x86 Version 3.5 (Build 595).
Debugging Synactive R/3 Proxy.
Config file guixt.ini C:\Program Files (x86)\Liquid UI\LUI Server\guixt.sjs read.
load.call(C:\Program Files (x86)\Liquid UI\LUI Server\initws_OpenWS.sjs)
Directory 0 =
Directory 1 = C:\LiquidUI\script121
Directory 2 =
Directory 3 =
Directory 4 =
Sessionlookup C:\LiquidUI\script121\ELOGON.sjs NOT found.
Sessionlookup C:\LiquidUI\script121\SAPMSYST.E0500.sjs NOT found.
```

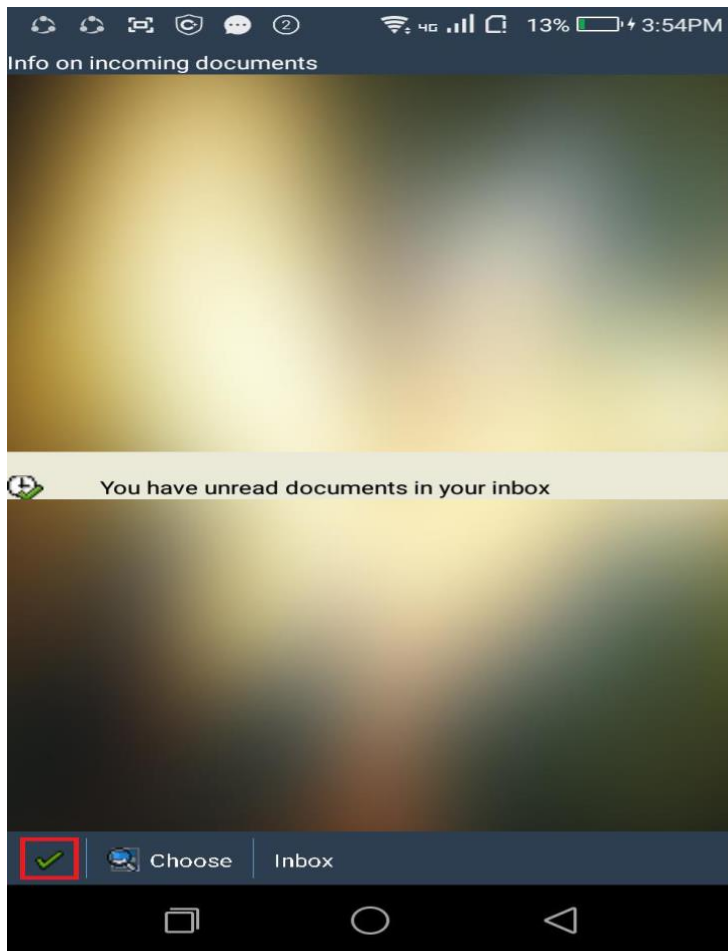
5. Select the Radio Button and click on the Continue tick Mark Button as shown.



```
C:\Program Files (x86)\Liquid UI\LUI Server>saproxy.exe -debug
Liquid UI Server x86 Version 3.5 (Build 595).
Debugging Synactive R/3 Proxy.
Config file guixt.ini C:\Program Files (x86)\Liquid UI\LUI Server\guixt.sjs read.
Directory 0 =
Directory 1 = C:\LiquidUI\script121
Directory 2 =
Directory 3 =
Directory 4 =
Sessionlookup C:\LiquidUI\script121\ELOGON.sjs NOT found.
Sessionlookup C:\LiquidUI\script121\SAPMSYST.E0500.sjs NOT found.
[_onExitTransaction] invoked
[_onExitTransaction] invoked
[_onExitTransaction] invoked
Sessionlookup C:\LiquidUI\script121\ESESSION.sjs found.
Executing C:\LiquidUI\script121\ESESSION.sjs ...
Sessionlookup C:\LiquidUI\script121\functions_Va03.sjs found.
Sessionlookup C:\LiquidUI\script121\functions_Va03.sjs found.
C:\LiquidUI\script121\functions_Va03.sjs<-loadfunc(C:\LiquidUI\script121\functions_Va03.sjs)
load.call(C:\LiquidUI\script121\functions_Va03.sjs)
Sessionlookup C:\LiquidUI\script121\SAPLS002.E0120.sjs NOT found.
```

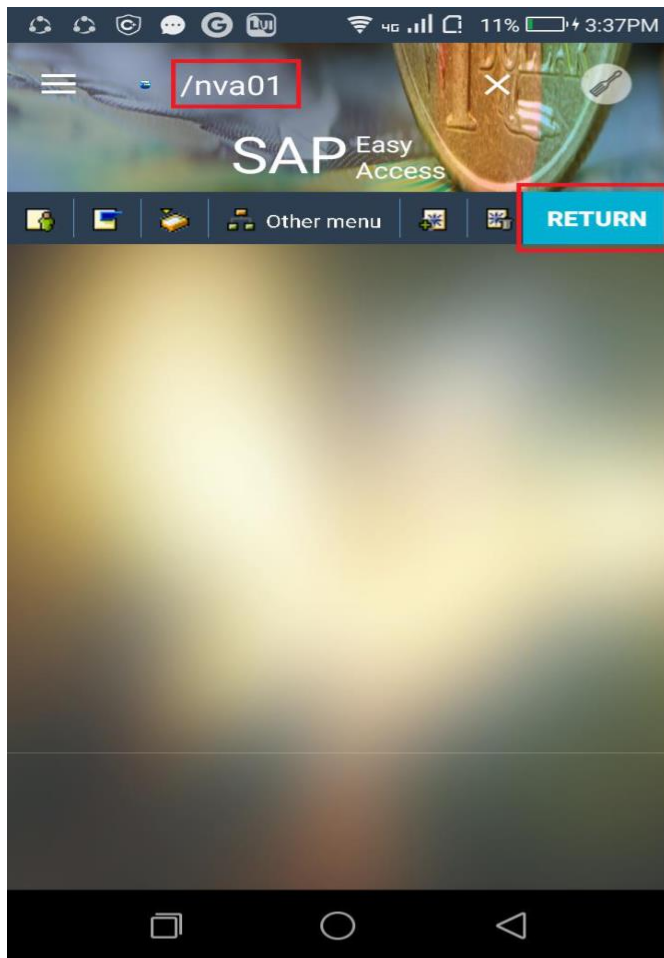


6. Click on the Continue tick mark Button



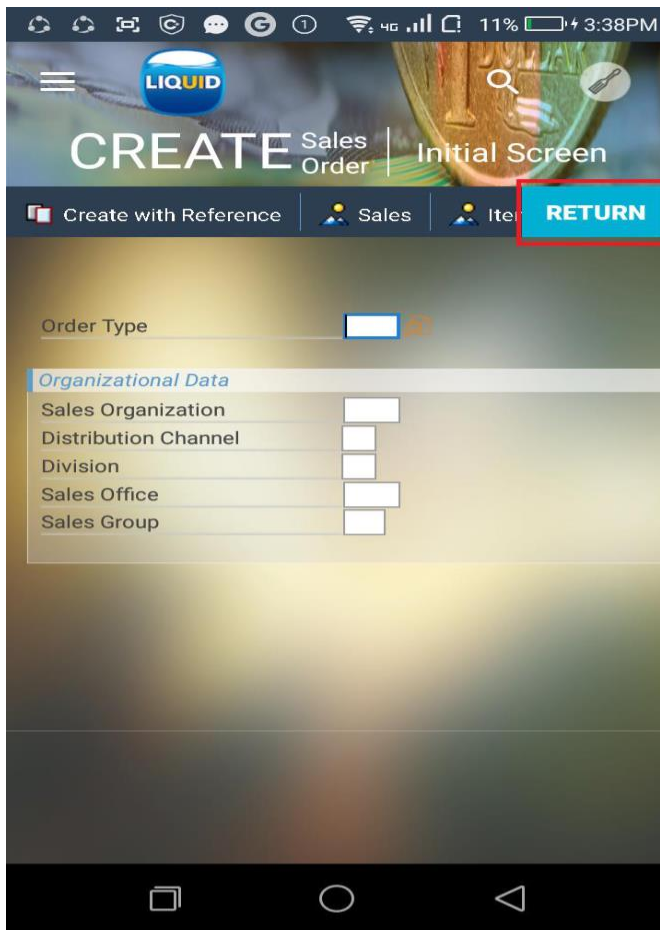
```
C:\Program Files (x86)\Liquid UI\LUI Server>saproxy.exe -debug
Liquid UI Server x86 Version 3.5 (Build 595).
Debugging Synactive R/3 Proxy.
Config file guixt.ini C:\Program Files (x86)\Liquid UI\LUI Server\guixt.sjs read.
Directory 0 =
Directory 1 = C:\LiquidUI\script121
Directory 2 =
Directory 3 =
Directory 4 =
Sessionlookup C:\LiquidUI\script121\ELOGON.sjs NOT found.
Sessionlookup C:\LiquidUI\script121\SAPMSYST.E0500.sjs NOT found.
[_onExitTransaction] invoked
[_onExitTransaction] invoked
[_onExitTransaction] invoked
Sessionlookup C:\LiquidUI\script121\ESESSION.sjs found.
Executing C:\LiquidUI\script121\ESESSION.sjs ...
Sessionlookup C:\LiquidUI\script121\functions_Va03.sjs found.
Sessionlookup C:\LiquidUI\script121\functions_Va03.sjs found.
C:\LiquidUI\script121\functions_Va03.sjs<-loadfunc(C:\LiquidUI\script121\functions_Va03.sjs)
load.call(C:\LiquidUI\script121\functions_Va03.sjs)
Sessionlookup C:\LiquidUI\script121\SAPLS002.E0120.sjs NOT found.
[_onExitTransaction] invoked
Sessionlookup C:\LiquidUI\script121\SAPLSMTR_NAVIGATION.E0100.sjs found.
Executing C:\LiquidUI\script121\SAPLSMTR_NAVIGATION.E0100.sjs ...
Sessionlookup C:\LiquidUI\script121\wscurl NOT found.
NULL <- loadfunc(C:\LiquidUI\script121\wscurl)
load.call(wscurl)
[_onScreen_SAPLSMTR_NAVIGATION_0100] invoked
```

7. Enter “/nVA01” and Click on the **RETURN** Button as Shown



```
Cornelius Output
[_onExitTransaction] invoked
Sessionlookup C:\LiquidUI\script121\ESESESSION.sjs found.
Executing C:\LiquidUI\script121\ESESESSION.sjs ...
Sessionlookup C:\LiquidUI\script121\functions_Va03.sjs found.
Sessionlookup C:\LiquidUI\script121\functions_Va03.sjs found.
C:\LiquidUI\script121\functions_Va03.sjs<-loadfunc(C:\LiquidUI\script121\functions_Va03.sjs)
load.call(C:\LiquidUI\script121\functions_Va03.sjs)
Sessionlookup C:\LiquidUI\script121\SAPLS002.E0120.sjs NOT found.
[_onExitTransaction] invoked
Sessionlookup C:\LiquidUI\script121\SAPLSMTR_NAVIGATION.E0100.sjs found.
Executing C:\LiquidUI\script121\SAPLSMTR_NAVIGATION.E0100.sjs ...
Sessionlookup C:\LiquidUI\script121\wscurl NOT found.
NULL <- loadfunc(C:\LiquidUI\script121\wscurl)
load.call(wscurl)
[_onScreen_SAPLSMTR_NAVIGATION_0100] invoked
enter("/nva01");
Sessionlookup C:\LiquidUI\script121\SAPMV45A.E0101.sjs found.
Executing C:\LiquidUI\script121\SAPMV45A.E0101.sjs ...
Sessionlookup C:\LiquidUI\script121\stringFunctions.sjs found.
Sessionlookup C:\LiquidUI\script121\stringFunctions.sjs found.
C:\LiquidUI\script121\stringFunctions.sjs<-loadfunc(C:\LiquidUI\script121\stringFunctions.sjs)
load.call(C:\LiquidUI\script121\stringFunctions.sjs)
&V[G_RF_BEEP] ->
```

8. Click on the **RETURN** Button as Shown, Without Entering anything into any Input Fields.



```
Cornelius Output
[_onScreen_SAPLSMTR_NAVIGATION_0100] invoked
enter("/nva01");
Sessionlookup C:\LiquidUI\script121\SAPMV45A.E0101.sjs found.
Executing C:\LiquidUI\script121\SAPMV45A.E0101.sjs ...
Sessionlookup C:\LiquidUI\script121\stringFunctions.sjs found.
Sessionlookup C:\LiquidUI\script121\stringFunctions.sjs found.
C:\LiquidUI\script121\stringFunctions.sjs<-loadfunc(C:\LiquidUI\script121\stringFunctions.sjs)
load.call(C:\LiquidUI\script121\stringFunctions.sjs)
&V[G_RF_BEEP] ->
&F[Order Type] -> ?
&F[Sales Organization] ->
return statement detected (Line 20) ... enter("/o");
enter("/12");
Sessionlookup C:\LiquidUI\script121\SAPMV45A.E0101.sjs found.
Executing C:\LiquidUI\script121\SAPMV45A.E0101.sjs ...
Sessionlookup C:\LiquidUI\script121\stringFunctions.sjs found.
Sessionlookup C:\LiquidUI\script121\stringFunctions.sjs found.
C:\LiquidUI\script121\stringFunctions.sjs<-loadfunc(C:\LiquidUI\script121\stringFunctions.sjs)
load.call(C:\LiquidUI\script121\stringFunctions.sjs)
&V[G_RF_BEEP] ->
```



9. Message is Successfully Displayed with one Beep Sound.

The screenshot shows a mobile application interface for creating a sales order. At the top, there is a status bar with icons for navigation, signal, and battery. Below this is a header with the 'LIQUID' logo, a search icon, and a 'CREATE' button. The main content area has a 'Sales Order' tab and an 'Initial Screen' label. A 'RETURN' button is visible on the right. The form includes an 'Order Type' dropdown menu and a section for 'Organizational Data' with fields for 'Sales Organization', 'Distribution Channel', 'Division', 'Sales Office', and 'Sales Group'. A red box highlights a message at the bottom: 'E Enter Order Type'.

```
Cornelius Output
[onScreen_SAPLSMTR_NAVIGATION_0100] invoked
enter("/nva01");
Sessionlookup C:\LiquidUI\script121\SAPMV45A.E0101.sjs found.
Executing C:\LiquidUI\script121\SAPMV45A.E0101.sjs ...
Sessionlookup C:\LiquidUI\script121\stringFunctions.sjs found.
Sessionlookup C:\LiquidUI\script121\stringFunctions.sjs found.
C:\LiquidUI\script121\stringFunctions.sjs<-loadfunc(C:\LiquidUI\script121\stringFunctions.sjs)
load.call(C:\LiquidUI\script121\stringFunctions.sjs)
&V[G_RF_BEEP] ->
&F[Order Type] -> ?
&F[Sales Organization] ->
return statement detected (Line 20) ... enter("/o");
enter("/12");
Sessionlookup C:\LiquidUI\script121\SAPMV45A.E0101.sjs found.
Executing C:\LiquidUI\script121\SAPMV45A.E0101.sjs ...
Sessionlookup C:\LiquidUI\script121\stringFunctions.sjs found.
Sessionlookup C:\LiquidUI\script121\stringFunctions.sjs found.
C:\LiquidUI\script121\stringFunctions.sjs<-loadfunc(C:\LiquidUI\script121\stringFunctions.sjs)
load.call(C:\LiquidUI\script121\stringFunctions.sjs)
&V[G_RF_BEEP] ->
```

10. Enter Order Type as “OR” and Click on the **RETURN** Button as Shown

The screenshot shows the LIQUID mobile application interface. At the top, there's a header with the LIQUID logo and the text 'CREATE Sales Order Initial Screen'. Below the header, there's a navigation bar with three buttons: 'Create with Reference', 'Sales', and 'Item'. The 'RETURN' button is highlighted with a red box. Below the navigation bar, there's a form with a label 'Order Type' and a text input field containing 'OR'. Below the form, there's a section titled 'Organizational Data' with several input fields for 'Sales Organization', 'Distribution Channel', 'Division', 'Sales Office', and 'Sales Group'.

```
Cornelius Output
return statement detected (Line 20) ... enter("/o");
enter("/12");
Sessionlookup C:\LiquidUI\script121\SAPMV45A.E0101.sjs found.
Executing C:\LiquidUI\script121\SAPMV45A.E0101.sjs ...
Sessionlookup C:\LiquidUI\script121\stringFunctions.sjs found.
Sessionlookup C:\LiquidUI\script121\stringFunctions.sjs found.
C:\LiquidUI\script121\stringFunctions.sjs<-loadfunc(C:\LiquidUI\script121\stringFunctions.sjs)
load.call(C:\LiquidUI\script121\stringFunctions.sjs)
&V[G_RF_BEEP] ->
&F[Order Type] -> OR
&F[Sales Organization] ->
return statement detected (Line 23) ... enter("/o");
enter("/12");
Sessionlookup C:\LiquidUI\script121\SAPMV45A.E0101.sjs found.
Executing C:\LiquidUI\script121\SAPMV45A.E0101.sjs ...
Sessionlookup C:\LiquidUI\script121\stringFunctions.sjs found.
Sessionlookup C:\LiquidUI\script121\stringFunctions.sjs found.
C:\LiquidUI\script121\stringFunctions.sjs<-loadfunc(C:\LiquidUI\script121\stringFunctions.sjs)
load.call(C:\LiquidUI\script121\stringFunctions.sjs)
&V[G_RF_BEEP] ->
```

11. Message is Successfully Displayed with two Beep Sound,

LIQUID

CREATE Sales Order Initial Screen

Create with Reference Sales Iter RETURN

Order Type OR

Organizational Data

Sales Organization  
Distribution Channel  
Division  
Sales Office  
Sales Group

E Enter Sales Organization

```
Cornelius Output
return statement detected (Line 20) ... enter("/o");
enter("/12");
Sessionlookup C:\LiquidUI\script121\SAPMV45A.E0101.sjs found.
Executing C:\LiquidUI\script121\SAPMV45A.E0101.sjs ...
Sessionlookup C:\LiquidUI\script121\stringFunctions.sjs found.
Sessionlookup C:\LiquidUI\script121\stringFunctions.sjs found.
C:\LiquidUI\script121\stringFunctions.sjs<-loadfunc(C:\LiquidUI\script121\stringFunctions.sjs)
load.call(C:\LiquidUI\script121\stringFunctions.sjs)
&V[G_RF_BEEP] ->
&F[Order Type] -> OR
&F[Sales Organization] ->
return statement detected (Line 23) ... enter("/o");
enter("/12");
Sessionlookup C:\LiquidUI\script121\SAPMV45A.E0101.sjs found.
Executing C:\LiquidUI\script121\SAPMV45A.E0101.sjs ...
Sessionlookup C:\LiquidUI\script121\stringFunctions.sjs found.
Sessionlookup C:\LiquidUI\script121\stringFunctions.sjs found.
C:\LiquidUI\script121\stringFunctions.sjs<-loadfunc(C:\LiquidUI\script121\stringFunctions.sjs)
load.call(C:\LiquidUI\script121\stringFunctions.sjs)
&V[G_RF_BEEP] ->
```

12. Enter Sales Organization as “1000” and Click on the RETURN Button.

The screenshot shows the LIQUID mobile application interface. At the top, there's a header with the LIQUID logo and the text 'CREATE Sales Order | Initial Screen'. Below the header, there's a navigation bar with three buttons: 'Create with Reference', 'Sales', and 'RETURN'. The 'RETURN' button is highlighted with a red box. Below the navigation bar, there's a form with the following fields:

- Order Type: OR
- Organizational Data:
  - Sales Organization: 1000
  - Distribution Channel:
  - Division:
  - Sales Office:
  - Sales Group:

```
Cornelius Output
enter("/12");
Sessionlookup C:\LiquidUI\script121\SAPMV45A.E0101.sjs found.
Executing C:\LiquidUI\script121\SAPMV45A.E0101.sjs ...
Sessionlookup C:\LiquidUI\script121\stringFunctions.sjs found.
Sessionlookup C:\LiquidUI\script121\stringFunctions.sjs found.
C:\LiquidUI\script121\stringFunctions.sjs<-loadfunc(C:\LiquidUI\script121\stringFunctions.sjs)
load.call(C:\LiquidUI\script121\stringFunctions.sjs)
&V[G_RF_BEEP] ->
enter("?");
Sessionlookup C:\LiquidUI\script121\SAPMV45A.E0101.sjs found.
Executing C:\LiquidUI\script121\SAPMV45A.E0101.sjs ...
Sessionlookup C:\LiquidUI\script121\stringFunctions.sjs found.
Sessionlookup C:\LiquidUI\script121\stringFunctions.sjs found.
C:\LiquidUI\script121\stringFunctions.sjs<-loadfunc(C:\LiquidUI\script121\stringFunctions.sjs)
load.call(C:\LiquidUI\script121\stringFunctions.sjs)
&V[G_RF_BEEP] ->
&F[Order Type] -> OR
&F[Sales Organization] -> 1000
Sessionlookup C:\LiquidUI\script121\SAPMV45A.E4001.sjs found.
Executing C:\LiquidUI\script121\SAPMV45A.E4001.sjs ...
enter("%_GS 0 1");
Sessionlookup C:\LiquidUI\script121\SAPMV45A.E4001.sjs found.
Executing C:\LiquidUI\script121\SAPMV45A.E4001.sjs ...
```



### 13. Successfully navigated to the Second Screen Create Standard Order Overview of VA01 Transaction

LIQUID

CREATE Standard Order Overview

Sold-To Party  
Ship-To Party  
PO Number

Sales

Item overview  
Item detail

Req. deliv.date D 23.04.2020  
Complete dlv.  
Delivery block  
Billing block  
Payment card  
Card Verif.Code  
Payment terms  
Order reason  
Sales area 1000 / Germany Frankfurt

All items

```
Cornelius Output
enter("/12");
Sessionlookup C:\LiquidUI\script121\SAPMV45A.E0101.sjs found.
Executing C:\LiquidUI\script121\SAPMV45A.E0101.sjs ...
Sessionlookup C:\LiquidUI\script121\stringFunctions.sjs found.
Sessionlookup C:\LiquidUI\script121\stringFunctions.sjs found.
C:\LiquidUI\script121\stringFunctions.sjs<-loadfunc(C:\LiquidUI\script121\stringFunctions.sjs)
load.call(C:\LiquidUI\script121\stringFunctions.sjs)
&V[G_RF_BEEP] ->
enter("?");
Sessionlookup C:\LiquidUI\script121\SAPMV45A.E0101.sjs found.
Executing C:\LiquidUI\script121\SAPMV45A.E0101.sjs ...
Sessionlookup C:\LiquidUI\script121\stringFunctions.sjs found.
Sessionlookup C:\LiquidUI\script121\stringFunctions.sjs found.
C:\LiquidUI\script121\stringFunctions.sjs<-loadfunc(C:\LiquidUI\script121\stringFunctions.sjs)
load.call(C:\LiquidUI\script121\stringFunctions.sjs)
&V[G_RF_BEEP] ->
&F[Order Type] -> OR
&F[Sales Organization] -> 1000
Sessionlookup C:\LiquidUI\script121\SAPMV45A.E4001.sjs found.
Executing C:\LiquidUI\script121\SAPMV45A.E4001.sjs ...
enter("%_GS 0 1");
Sessionlookup C:\LiquidUI\script121\SAPMV45A.E4001.sjs found.
Executing C:\LiquidUI\script121\SAPMV45A.E4001.sjs ...
```



## **CODE:**

//////////////////////////////////SAPMV45A.E0101.SJS//////////////////////////////////

```
load('stringFunctions.sjs'); // Loading the string Functions
text ([0,20], "&V[G_RF_BEEP]");
// Function to check for blank string
// Specifically used to determine if input exist in the edit field
function isBlank(strInput) {
    var strVal =
    getString(strInput); var blank =
    strVal == ""; return blank;
}
function fn_belltest() {
set("V[z_order]","&F [Order Type]");
set("V[z_salesorg]","&F [Sales
Organization]"); set("V[G_RF_BEEP]" , "");

    if(isBlank(z_order) || z_order==undefined || z_order=="?") {
        set("V[G_RF_BEEP]" , " ");    // Beep 1 Times
        return("E: Enter Order Type");
    }else if(isBlank(z_salesorg)) {
        set("V[G_RF_BEEP]" , " ");    //Beep 2 Times
        return("E: Enter Sales Organization");
    }
enter();
}
onUIEvents["Enter"]={ "process":fn_belltest};
```