

## Implementation of Arrays with to-and-fro navigation in grid

### Purpose:

Displays data from arrays in the form of grid with to-and-fro navigation if data exists in multiple pages.

Below example explains the notification data in arrays displayed in the form of grid with to-and-fro navigation buttons based on the number of pages.

This can be helpful in representing data read from grid and table.

Liquid UI Code:

```
//////////////////// SAPLSMTR_NAVIGATION.E0100.sjs //////////////////////

// Function to check if the string value is blank

function isBlank(jvar){

    if(typeof jvar == 'string') {

        jvar = jvar.trim();

    }

    if(typeof jvar == 'undefined') {

        jvar = "";

    }

    return(jvar == 'undefined' || jvar == undefined || jvar == null || jvar == "" || jvar == void 0);

}

if(isBlank(z_rowsperpage)){ //initializing variables

    z_rows_notification = 1;

    z_limit_notification = 4;

    z_pageno_notification = 1;
```

```

        z_rowsperpage = 4;
    }

    // arrys with notification data

    var notifications =
    ["","10000101","10000102","10000103","10000104","10000105","10000106","10000107","10000108","10000109","10000110"]; // array

    var not_Des =
    ["","first","second","third","fourth","fifth","sixth","seventh","eight","ninth","tenth"]; // array

    var not_date =
    ["","01/01/2017","01/20/2017","02/10/2017","03/03/2017","04/05/2017","05/22/2017","06/25/2017","07/19/2017","08/20/2017","09/10/2017"]; // array

    length_notif_array = notifications.length;

    box([3,4], [13,69], "Notification Grid"); // group box

    del("X[IMAGE_CONTAINER]"); // deletes image on easy access screen

    if(length_notif_array>0){
        // calculates number of pages

        println("notification z_rowsperpage="+z_rowsperpage);

        z_notif_noofpages = length_notif_array/z_rowsperpage;

        z_number_pages = z_notif_noofpages;

        z_number_pages = z_number_pages.toString();

        z_index_notif = z_number_pages.indexOf('.');

        if(z_index_notif != -1){
            z_number_pages = z_number_pages.slice(0,z_index_notif);
        }
    }

```

```

        z_number_pages = parseInt(z_number_pages)+1;
    }
    else{
        z_number_pages = parseInt(z_number_pages);
    }

    // logic to display navigation buttons

    if(!isBlank(z_number_pages)){
        if(z_limit_notification <= z_rowsperpage){
            if(z_number_pages==1){

            }else{
                pushbutton([4,65], "@0E@",{ "process":z_next_notification, "size":[1,3],
"fcodes":"/n"});
            }
        }
        else{
            if(z_pageno_notification > 1){
                if(z_pageno_notification >= z_number_pages){
                    pushbutton([4,60], "@0D@",{
"process":z_previous_notification, "size":[1,3], "fcodes":"/n"});
                }
                else{
                    pushbutton([4,60], "@0D@",{ "process":z_previous_notification,
"size":[1,3], "fcodes":"/n"});
                    pushbutton([4,65], "@0E@",{ "process":z_next_notification,
"size":[1,3], "fcodes":"/n"});
                }
            }
        }
    }

```

```

        }
    }
}

// assigning array values to text fields
for(idx = z_rows_notification, z_notif_row = 0; idx <= z_limit_notification; idx++){

    text([5+z_notif_row,47], not_Des[idx],{ "size":20});
    text([5+z_notif_row,26], not_date[idx],{ "size":15});
    text([5+z_notif_row,6], notifications[idx],{ "size":15});
    z_notif_row = z_notif_row+2;
}
}

```

// to load next page of notification numbers

```

function z_next_notification(){
    z_limit_notification = z_limit_notification + z_rowsperpage;
    z_rows_notification = z_rows_notification + z_rowsperpage;
    z_pageno_notification = z_pageno_notification+1;
}

```

// to load previous page of notification numbers

```

function z_previous_notification(){

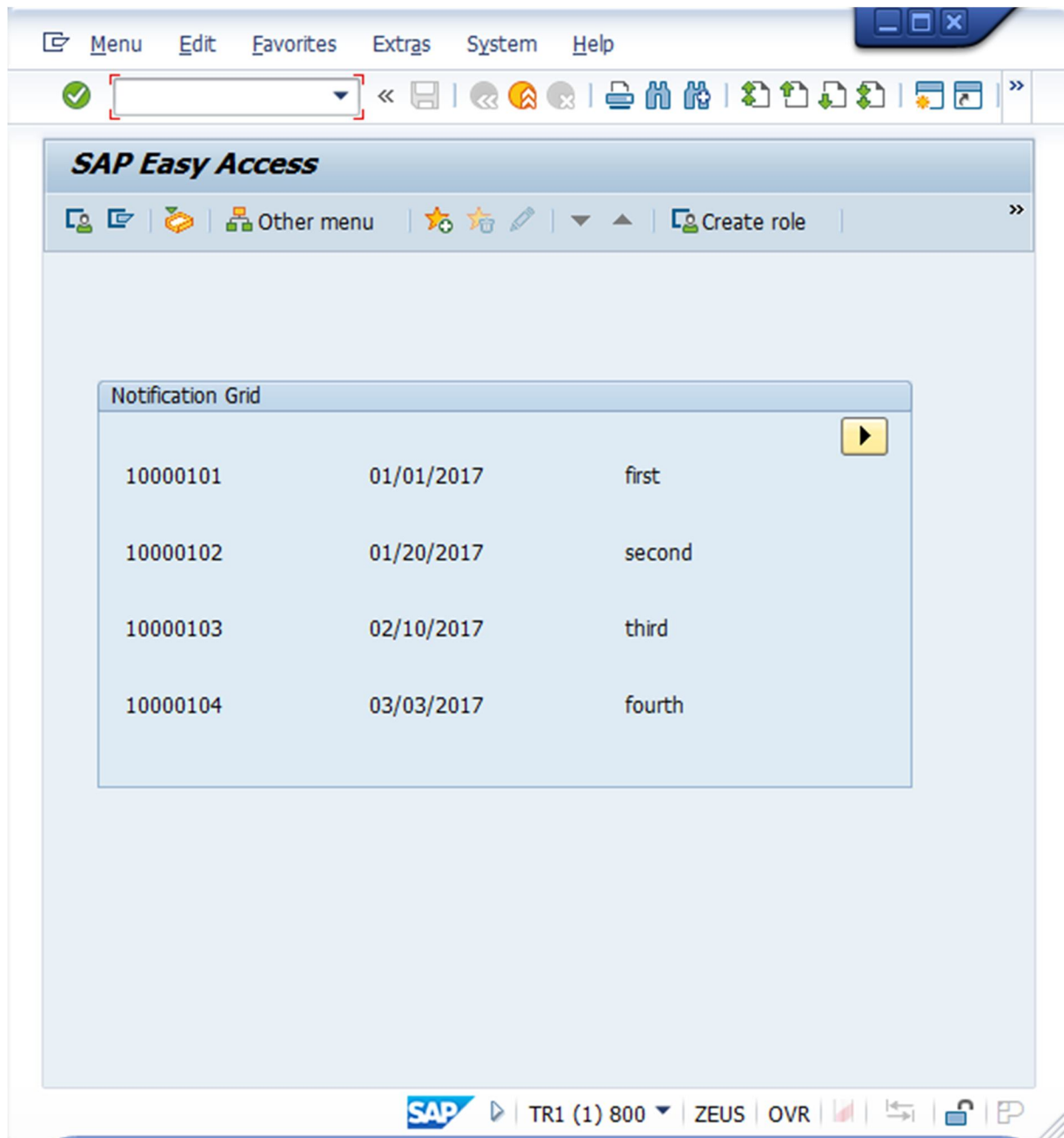
```

```
z_limit_notification = z_limit_notification - z_rowsperpage;
```

```
z_rows_notification = z_rows_notification - z_rowsperpage;
```

```
z_pageno_notification = z_pageno_notification-1;
```

```
}
```



The screenshot displays the SAP Easy Access interface. At the top, there is a menu bar with options: Menu, Edit, Favorites, Extras, System, and Help. Below the menu bar is a toolbar with various icons for navigation and actions. The main content area is titled "SAP Easy Access" and contains a sub-menu bar with "Other menu" and "Create role". The central part of the screen shows a "Notification Grid" with four rows of data. Each row contains a notification ID, a date, and a description. A yellow play button icon is visible in the top right corner of the grid. The bottom status bar shows the SAP logo, a dropdown menu with "TR1 (1) 800", and other system indicators like "ZEUS", "OVR", and a lock icon.

Notification Grid		
10000101	01/01/2017	first
10000102	01/20/2017	second
10000103	02/10/2017	third
10000104	03/03/2017	fourth



