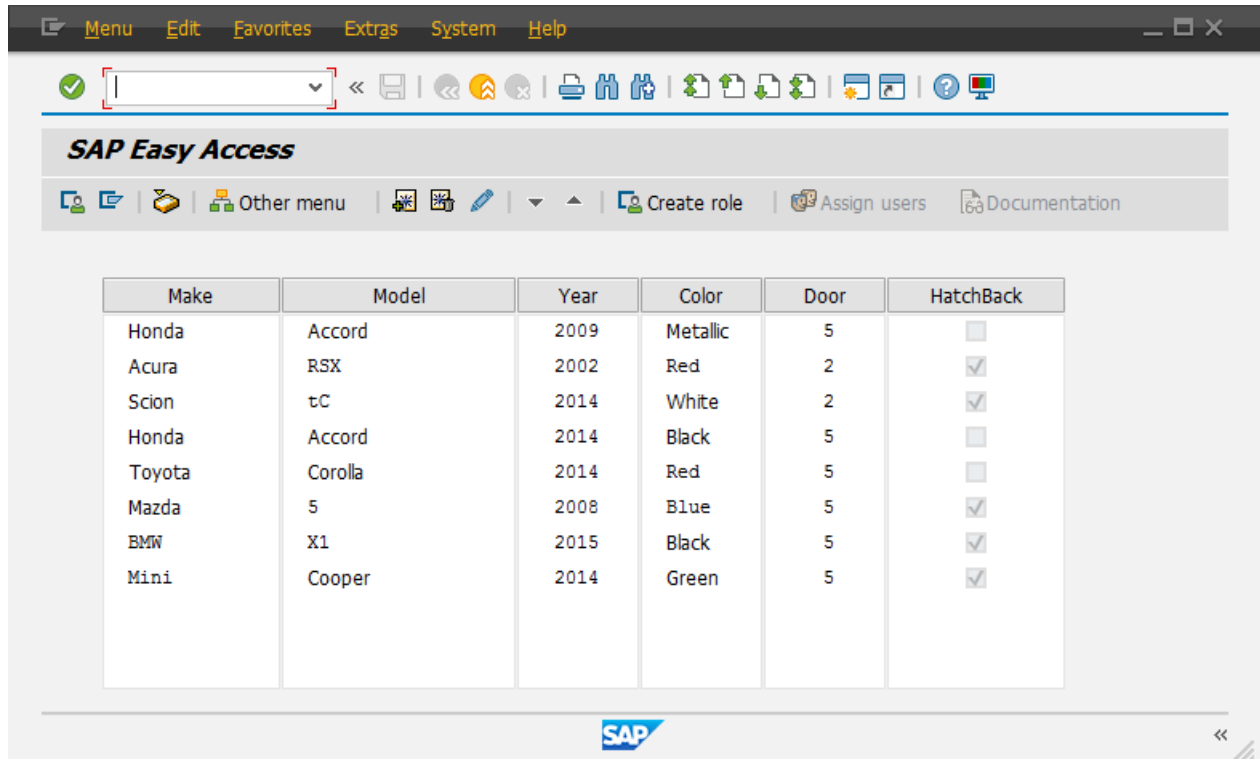


Liquid UI: Sort Content in Order

User Interface

Initial List View with Data Set

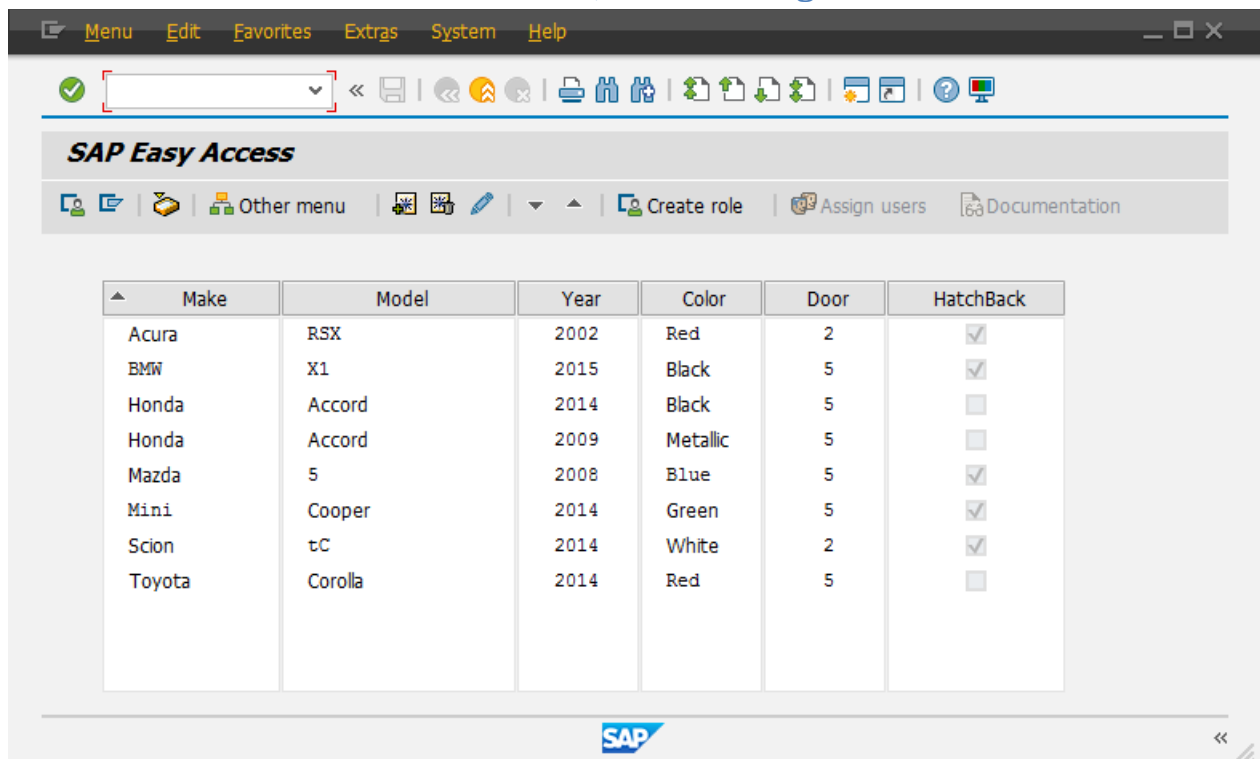


The screenshot shows the SAP Easy Access interface. At the top is a menu bar with 'Menu', 'Edit', 'Favorites', 'Extras', 'System', and 'Help'. Below the menu bar is a toolbar with various icons. The main area displays a table with the following data:

Make	Model	Year	Color	Door	HatchBack
Honda	Accord	2009	Metallic	5	<input type="checkbox"/>
Acura	RSX	2002	Red	2	<input checked="" type="checkbox"/>
Scion	tC	2014	White	2	<input checked="" type="checkbox"/>
Honda	Accord	2014	Black	5	<input type="checkbox"/>
Toyota	Corolla	2014	Red	5	<input type="checkbox"/>
Mazda	5	2008	Blue	5	<input checked="" type="checkbox"/>
BMW	X1	2015	Black	5	<input checked="" type="checkbox"/>
Mini	Cooper	2014	Green	5	<input checked="" type="checkbox"/>

The SAP logo is visible at the bottom right of the interface.

Sorted List View – based on “Make” column, in Ascending Order



The screenshot shows the SAP Easy Access interface with the table sorted by the 'Make' column in ascending order. The table data is as follows:

Make	Model	Year	Color	Door	HatchBack
Acura	RSX	2002	Red	2	<input checked="" type="checkbox"/>
BMW	X1	2015	Black	5	<input checked="" type="checkbox"/>
Honda	Accord	2014	Black	5	<input type="checkbox"/>
Honda	Accord	2009	Metallic	5	<input type="checkbox"/>
Mazda	5	2008	Blue	5	<input checked="" type="checkbox"/>
Mini	Cooper	2014	Green	5	<input checked="" type="checkbox"/>
Scion	tC	2014	White	2	<input checked="" type="checkbox"/>
Toyota	Corolla	2014	Red	5	<input type="checkbox"/>

The SAP logo is visible at the bottom right of the interface.

Sorted List View – based on “Make” column, in Descending Order

The screenshot shows the SAP Easy Access interface. At the top is a menu bar with 'Menu', 'Edit', 'Favorites', 'Extras', 'System', and 'Help'. Below the menu bar is a toolbar with various icons. The main area displays a table with the following data:

Make	Model	Year	Color	Door	HatchBack
Toyota	Corolla	2014	Red	5	<input type="checkbox"/>
Scion	tC	2014	White	2	<input checked="" type="checkbox"/>
Mini	Cooper	2014	Green	5	<input checked="" type="checkbox"/>
Mazda	5	2008	Blue	5	<input checked="" type="checkbox"/>
Honda	Accord	2009	Metallic	5	<input type="checkbox"/>
Honda	Accord	2014	Black	5	<input type="checkbox"/>
BMW	X1	2015	Black	5	<input checked="" type="checkbox"/>
Acura	RSX	2002	Red	2	<input checked="" type="checkbox"/>

The SAP logo is visible at the bottom right of the interface.

Sorted List View – based on “Year” column, in Ascending Order

The screenshot shows the SAP Easy Access interface. At the top is a menu bar with 'Menu', 'Edit', 'Favorites', 'Extras', 'System', and 'Help'. Below the menu bar is a toolbar with various icons. The main area displays a table with the following data:

Make	Model	Year	Color	Door	HatchBack
Acura	RSX	2002	Red	2	<input checked="" type="checkbox"/>
Mazda	5	2008	Blue	5	<input checked="" type="checkbox"/>
Honda	Accord	2009	Metallic	5	<input type="checkbox"/>
Toyota	Corolla	2014	Red	5	<input type="checkbox"/>
Honda	Accord	2014	Black	5	<input type="checkbox"/>
Mini	Cooper	2014	Green	5	<input checked="" type="checkbox"/>
Scion	tC	2014	White	2	<input checked="" type="checkbox"/>
BMW	X1	2015	Black	5	<input checked="" type="checkbox"/>

The SAP logo is visible at the bottom right of the interface.

Liquid UI Code [Script]

User Interface

```
////////////////////////////////////  
// 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  
  
//If default flag is not set to true, execute setDefault function  
if(!z_default_flag){  
    setDefault();  
}  
  
clearscreen();  
  
pushbutton([1,5], "&V[btn_sort_icon_0]Make", "?", {"process":sortContent, "size":[1,15], "using":{"col":"0"}});  
pushbutton([1,21], "&V[btn_sort_icon_1]Model", "?", {"process":sortContent, "size":[1,20], "using":{"col":"1"}});  
pushbutton([1,42], "&V[btn_sort_icon_2]Year", "?", {"process":sortContent, "size":[1,10], "using":{"col":"2"}});  
pushbutton([1,53], "&V[btn_sort_icon_3]Color", "?", {"process":sortContent, "size":[1,10], "using":{"col":"3"}});  
pushbutton([1,64], "&V[btn_sort_icon_4]Door", "?", {"process":sortContent, "size":[1,10], "using":{"col":"4"}});  
pushbutton([1,75], "&V[btn_sort_icon_5]HatchBack", "?", {"process":sortContent, "size":[1,15], "using":{"col":"5"}});  
  
box([2,5], [12,19]);  
box([2,21], [12,40]);  
box([2,42], [12,51]);  
box([2,53], [12,62]);  
box([2,64], [12,73]);  
box([2,75], [12,89]);  
  
for(var i=start_row; i<end_row; i++){  
    text([2+i,7], data_ary[i][0]);  
    text([2+i,23], data_ary[i][1]);  
    text([2+i,45], data_ary[i][2]);  
    text([2+i,55], data_ary[i][3]);  
    text([2+i,69], data_ary[i][4]);  
  
    set("V[check_&V[i]]", data_ary[i][5]);  
    checkbox([2+i,82], "", {"name":"check_&V[i]", "readonly":true});  
}
```

Functions

```
//Function to default all variables and data
function setDefault(){
    //Default all button icons to be empty
    btn_sort_icon_0 = "";
    btn_sort_icon_1 = "";
    btn_sort_icon_2 = "";
    btn_sort_icon_3 = "";
    btn_sort_icon_4 = "";
    btn_sort_icon_5 = "";

    //Default data array for display
    data_ary = [];
    data_ary.push(["Honda", "Accord", "2009", "Metallic", "5", ""]);
    data_ary.push(["Acura", "RSX", "2002", "Red", "2", "X"]);
    data_ary.push(["Scion", "tC", "2014", "White", "2", "X"]);
    data_ary.push(["Honda", "Accord", "2014", "Black", "5", ""]);
    data_ary.push(["Toyota", "Corolla", "2014", "Red", "5", ""]);
    data_ary.push(["Mazda", "5", "2008", "Blue", "5", "X"]);
    data_ary.push(["BMW", "X1", "2015", "Black", "5", "X"]);
    data_ary.push(["Mini", "Cooper", "2014", "Green", "5", "X"]);

    //Create a backup for data array
    data_ary_bkup = [];
    for(var i=0; i<data_ary.length; i++){
        data_ary_bkup.push(data_ary[i]);
    }

    //Set start and end value for display
    start_row = 0;
    end_row = data_ary.length;

    //Default an array to store sorting status for each column
    sort_order_ary = [];
    for(var i=0; i<6; i++){
        sort_order_ary.push("X");
    }

    //Set default flag to true fore only run default function one time
    z_default_flag = true;
}

//Function to sort content
function sortContent(param){
    set("V[btn_sort_icon_"] + param.col, " ");

    var column = param.col;
    if(sort_order_ary[column] == 'X'){
        sort_order_ary[column] = 0;

        if(sort_order_ary[column] == 1){
            set("V[btn_sort_icon_&V[column]]", '@0H@');
            sort_order_ary[column] = 2;
            data_ary.sort(function (a,b) {
                a = a[column].toLowerCase();
                b = b[column].toLowerCase();
                return a == b ? 0 : (a < b ? 1 : -1);
            });
        } else if(sort_order_ary[column] == 0){
            set("V[btn_sort_icon_&V[column]]", '@0I@');
            sort_order_ary[column] = 1;
            data_ary.sort(function (a,b) {
                a = a[column].toLowerCase();
                b = b[column].toLowerCase();
                return a == b ? 0 : (a < b ? -1 : 1);
            });
        } else {
            set("V[btn_sort_icon_&V[column]]", ' ');
            sort_order_ary[column] = 0;
            data_ary = [];
            for(var i=0; i<data_ary_bkup.length; i++){
                data_ary.push(data_ary_bkup[i]);
            }
        }
    }
}
```