

Liquid UI: Validate Time Format

Purpose

To validate time in 'hh:mm:ss' format.

User Interface

Log into SAP and on the SAP Easy Access Screen enter the time and click on 'Validate Time' pushbutton.



Liquid UI Code [Script]

User Interface file -

```
SAPLSMTR_NAVIGATION.E0100.sjs x
1 // Function to trim blank spaces at the end of the string
2 String.prototype.trim=function(){return this.replace(/^\s+|\s+$/g, '');}
3
4 // Function to check if the string value is blank
5 function isBlank(jvar){
6     if(typeof jvar == 'string') {
7         jvar = jvar.trim();
8     }
9     if(typeof jvar == 'undefined') {
10        jvar = '';
11    }
12    return(jvar == 'undefined' || jvar == undefined || jvar == null || jvar == "" || jvar == void 0);
13 }
14
15 // Function to check if time is in HH:MM:SS format
16 // The function takes in an array of times, and outputs a flag.
17 // If time format is incorrect, resulting flag is set to 'false'.
18 function check_time_format(usertime) {
19     usertime = usertime.toString();
20     var flag = true;
21
22     //Format we need is HH:MM:SS
23     for (var i=0; i<usertime.length; i++) {
24         var third_pos = usertime.substring(2,3);
25         var sixth_pos = usertime.substring(5,6);
26         if (third_pos != ":" || sixth_pos != ":") {
27             flag = false;
28             break;
29         }
30         if (usertime.length != 8) {
31             flag = false;
32             break;
33         }
34         var hour = usertime.substring(0,2);
35         hour = parseInt(hour,10);
36         var min = usertime.substring(3,5);
37         min = parseInt(min,10);
38         var sec = usertime.substring(6,8);
39         sec = parseInt(sec,10);
40
41         if ((hour > 23) || (hour < 0)) {
42             flag = false;
43             break;
44         }
45         if ((min > 59) || (min < 0)) {
46             flag = false;
47             break;
48         }
49         if ((sec > 59) || (sec < 0)) {
50             flag = false;
51             break;
52         }
53     }
54 }
```

```
52     }
53   }
54   return (flag);
55 }
56
57 // Function to validate the time format
58 function validateTime(){
59   if(isBlank(z_time)){
60     return('E: Please enter a value');
61   }
62
63   res = check_time_format(z_time);
64   if(!res){
65     return('E: Invalid Time Format');
66   } else{
67     return('S: Valid Time Format');
68   }
69 }
70
71 // User Interface
72 clearscreen();
73 inputfield([1,0], "Enter time", [1,16], {"size":8, "name":"z_time"});
74 pushbutton([1,26], "@01@Validate Time", {"process":validateTime, "size":[1,15]});
75
```