

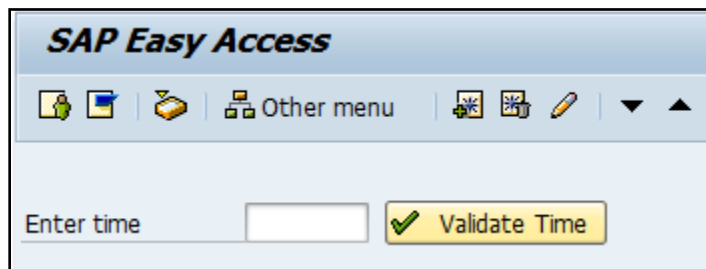
Liquid UI: Validate Time Format

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.



The screenshot shows the SAP Easy Access interface. At the top, there is a header bar with the text "SAP Easy Access". Below the header, there is a navigation bar with several icons and the text "Other menu". The main area of the screen contains a text input field labeled "Enter time" and a yellow button with a green checkmark icon and the text "Validate Time".

Liquid UI Code [Script]

User Interface file –

```
SAPLSMTR_NAVIGATION.E0100.sjs
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
```