# **4.14 Arrow Function in WS**

Liquid UI now supports the Arrow Functions, a feature introduced by ECMAScript 6. Arrow functions provide a more concise and streamlined way to define functions, offering shorter syntax and reducing the need for the traditional function keyword and parentheses in certain cases.

### **Pre-requisites:**

- Liquid UI WS
- Liquid UI Server v3.5.600.0 and above
- Webscript.dll v1.1.196.0 and above

### Syntax:

```
Regular functionArrow Functionvar z_input= function(x, y) {returvar z_input= (x, y) => {n x * y; }y };
```

Here, you don't need the function keyword, the return keyword, and the curly brackets.

// In case of only one expression,
parentheses
 are optional
 var z input= (x, y) => x \* y;

### **Arrow Function with Parameter**

The Arrow Function also returns an object. Here, the body of the function is enclosed with parentheses to distinguish between a block and an object. The following actions help visualize how to use the arrow function directly in the SAP interface.

- 1. Delete the image container from the SAP Easy Access screen.
- 2. Add an input field to enter the username.
- 3. Add a pushbutton to execute the process.
- 4. Add a function to generate a welcome message.

//Create the **SAPLSMTR\_NAVIGATION.E0100.sjs** file inside your scripts folder for customizing the SAP screen.//Now, add the Liquid UI script to the above file and save it.

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### Customization

1. Delete the image container on the SAP Easy Access screen using **del()**.

//Deletes the image container on the SAP screen
del("X[IMAGE\_CONTAINER]");

2. Add an input field to enter the username.

//Creates an input field to enter the username
inputfield([1,0],{
 "name":"z\_username", "size":21, "nolabel":true});
z\_date = Date();

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3. Add a push button labeled **@0V@Submit** to execute the **Displayuser** process.

```
//Creates a pushbutton to execute the process
pushbutton([1,23], "@0V@Submit ",{
   "process":Displayuser, "using":{"user":z_username}});
```

4. Add **Displayuser** function to generate a welcome message by using a user value passed in the param object.

//Function to generate a welcome message
Displayuser=param=> "S: "+"Welcome"+param.user;

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#### **SAP Process**

1. Refresh the SAP screen, enter text in the input field, and click **Submit**. Then, a message will appear at the bottom of the SAP screen, as shown in the image below.

#### Arrow function with 'this' functionality

In Arrow Functions, handling **this** is also different when compared to regular functions. In regular functions, this keyword represents the object that calls the function, which could be either a window, a document, a button, or whatever. Whereas in arrow functions, this keyword always represents the object that defines the arrow function.

//Create the **SAPLSMTR\_NAVIGATION.E0100.sjs** file inside your scripts folder for customizing the SAP screen.//Now, add the Liquid UI script to the above file and save it.

#### Customization

1. Delete the image container on the SAP Easy Access screen using del()

//Deletes the image container on the SAP screen
del("X[IMAGE\_CONTAINER]");

2. Add a push button labeled **Test regular function this Keyword** to execute the **Samplefunc** process.

pushbutton([3,1],"
"Test regular function this keyword"",{"process":thiskeyword});

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