

smartformHelper

Ansammlung nützlicher Funktionen welche oftmals im Einsatz sind. Die Funktionen sind größtenteils so gehalten, dass sie bei anderen Kunden ohne viel Aufwand verwendet werden können.

Darin enthalten sind:

- setValue: Setzt einen Wert als Prozessvariable und befüllt ein evtl. vorhandenes Feld damit (egal ob Input, Textarea, Radiobuttongroup, Select usw)
- getValue: Holt Wert für Prozessvariable. Wenn undefined wird Leerstring zurückgegeben
- ajaxCall: Führt Ajaxcall aus und gibt Response an eine Callback weiter (Params: Type, URL, dataType, contentType, callback)
- stringContains: Prüft ob Zeichenkette vars in Wert var vorhanden ist. vars kann ein String oder ein Array aus mehreren Strings sein (Params: variable1, variable(s)2)
- selectUsersByGroup: Füllt Dropdown mit Usern einer Gruppe oder allen TIM Usern
HTML: <select name="INSERT A NAME" id="INSERT AN ID" class="INSERT A CLASSNAME" group="INSERT A TIM GROUP"></select>
Params: classname
- getUserName: Returns Firstname, Lastname from user got. If undefined returns username.
(Param: User)
- selectUsersByGroup: Fill dropdowns with all users or users from group. Exepts Classname of the dropdowns
HTML: <select name="INSERT A NAME" id="INSERT AN ID" class="INSERT A CLASSNAME" group="INSERT A TIM GROUP"></select>
Params: classname
- getUserName: Returns Firstname, Lastname from user got. If undefined returns username.
(Param: User)
- getUserDepartment: Returns department of userGot (Param: user)
- getDateString: returns date as string in format dd.MM.yyyy (Params: Date)
- getTime: returns time as string in format hh:mm (Params: Date)
- populateSelectFromArray: fills an Selectfield with the given arrays
Params: id of the select
array: array filled plain text or objects. If objects, all attributes are taken
attributeList: if only certain attributes of objects should be taken
- populateSelectFromCSV: fills an Selectfield with the CSV File from URL
<select id="testSelect" csvFile= "/loom-portal/custom/test/Ressources/test.csv" csvCols="SpalteA;SpalteB" name="testSelect" class="form-control"></select>
#####papaparse.min.js mandatory#####
Params: -
- checkValidInput: checks if regex from field param matches. alerts message and clears field if not. Sets value on change
example:
<input type="text" name="name" id="id" regex="^\d*\$" message="only digits"/>
checkValidInput(\$(".fields"))
Params: fields

»Achtung: jQuery wird dringend benötigt!!

Sourcen

TODO

Beispiel HTML

```
<!--
    select Users By Group

-->
<select name="BELIEBIG" id="BELIEBIG" group="TIM Gruppe"
class="BELIEBIG">&#160;</select>

<!--
    populateSelectFromCSV
    -->
<select id="BELIEBIG" csvFile= "/loom-
portal/custom/test/Ressources/test.csv"  csvCols="SpalteA;SpalteB"
name="BELIEBIG" class="form-control"></select>

<!--
    checkValidInput
    -->
<input type="text" name="BELIEBIG" id="BELIEBIG" regex="^d*$" message="Hier
steht die Meldung die ausgegeben wird sollte die Regex false sein"/>
```

Beispiel Custom

```
var head = document.getElementsByTagName("head")[0];
var customUrl = "/loom-portal/custom/BELIEBIGERORDNER/";
scriptTag = document.createElement('script');
scriptTag.setAttribute("type", "text/javascript");
scriptTag.setAttribute("src", customUrl + "smartformHelper.js");
head.appendChild(scriptTag);

(function($, scope){

    var helper = gadget.functions.initFormularFunctions.bind(scope)();

    /*
        Beispiele Funktionsaufrufe:
    */

    //setValue
    helper.setValue("ID", "WERT");

    //getValue
```

```
var value = helper.getValue("ID");

//ajaxCall
helper.ajaxCall(Type, URL, dataType, contentType, callback);

//stringContains
var bool = helper.stringContains("SUCHWERT", "SUCHMENGE");
var bool2 = helper.stringContains("SUCHWERT",
["ARRAY", "AUS", "STRINGS", "DAS", "DURCHSUCHT", "WERDEN", "SOLL"]);

//selectUsersByGroup
helper.selectUsersByGroup( $("select") );

//forceRedraw
helper.forceRedraw( $("select") );

//getUserName
var firstname_lastname = helper.getUserName(
gadget.getEntity("currentUser") );

//getUserNameReverse
var lastname_firstname = helper.getUserNameReverse(
gadget.getEntity("currentUser") );

//getUserDepartment
var department = helper.getUserDepartment(
gadget.getEntity("currentUser") );

//getDateString
var ddMMyyyy = helper.getDateString( new Date() );

//getTime
var hhmm = helper.getTime( new Date() );

//populateSelectFromArray
helper.populateSelectFromArray("ID", ["Wert1", "Wert2"], ["Wert1"]);

//populateSelectFromCSV
helper.populateSelectFromCSV();

//checkValidInput
var bool = helper.checkValidInput($("input"));

//alert
helper.alert("TITLE", "MESSAGE", function(){
    //tu was
})

//confirm
helper.confirm("TITLE", "TEXT", "BUTTON OK TEXT", "BUTTON ABBRECHEN
TEXT", function(decision){
```

```

        if(decision) // tu was

    })

} )( this.form.ownerDocument.defaultView != null ) ?
this.form.ownerDocument.defaultView.jQuery :
this.form.ownerDocument.parentWindow.jQuery , this);

```

Dabei zu beachten sind Folgende Punkte:

- Aus Performancegründen wird für die selectUsersByGroup auf Queries zurückgegriffen. Diese sind im JavaScript mit definiert und können im Supermandanten angelegt werden.
- Für populateSelectFromCSV wird PAPAParse.min.js benötigt.

smartformHelper Code

smartformHelper.js

```

/* Method Index
setValue:          Sets value, merges local and inserts value in
smartformfield if there is one (Params: id, value)
-----
getValue:          Returns blank if undefined (Params: id)
-----
ajaxCall:          Führt Ajaxcall aus und gibt Response an eine
Callback weiter (Params: Type, URL, dataType, contentType, callback)
-----
stringContains:    Prüft ob Zeichenkette vars in Wert var vorhanden
ist. vars kann ein String oder ein Array aus mehreren Strings sein
(Params: variable1, variable(s)2)
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selectUsersByGroup: Fill dropdowns with all users or users from
group. Exepts Classname of the dropdowns
HTML: <select name="INSERT A NAME" id="INSERT AN
ID" class="INSERT A CLASSNAME" group="INSERT A TIM GROUP"></select>
Params: classname
-----
getUserName:        Returns Firstname, Lastname from user got. If
undefined returns username. (Param: User)
-----
getUserDepartment: Returns department of userGot (Param: user)
-----
getDateString:     returns date as string in format dd.MM.yyyy
(Params: Date)
-----
getTime:           returns time as string in format hh:mm (Params:
Date)
-----
populateSelectFromArray: fills an Selectfield with the given arrays
Params: id of the select

```

```

array: array filled plain text or objects. If
objects, all attributes are taken
attributeList: if only certain attributes of
objects should be taken
-----
populateSelectFromCSV:           fills an Selectfield with the CSV File from
URL
<select id="testSelect" csvFile= "/loom-
portal/custom/test/Ressources/test.csv" csvCols="SpalteA;SpalteB"
name="testSelect" class="form-control"></select>
#####papaparse.min.js mandatory#####
Params: -
-----

checkValidInput:                 checks if regex from field param matches .
alerts message and clears field if not. Sets value on change
example:
<input type="text" name="name" id="id"
regex="^d*$" message="only digits"/>
checkValidInput( $(".fields") )
Params: fields

*/
gadget.functions.initFormularFunctions = function(){

    var $ = (this.form.ownerDocument.defaultView!=null) ?
this.form.ownerDocument.defaultView.jQuery :
this.form.ownerDocument.parentWindow.jQuery;
    var scope = this;

    var helper = {

        /*
        Sets value, merges local and inserts value in smartformfield if
there is one
        Params: id, value
        */
        setValue: function(idGot, value){
            if(typeof value == "undefined" || value == null) return
false;
            value = value.toString();

            var identifier =
idGot.replace(/\[/g,"\\[").replace(/\]/g,"\\]").replace(/\?/g,"\\?");
            var field = $("#" + identifier);

            if($(field).find("option:selected").attr("default")){
                scope.entity.setValue(idGot, "");
            }
        }
    }
}

```

```

        }else{

            scope.entity.setValue(idGot,value);

        }

        scope.entity.mergeLocal(true);

        if(field.length>0){
            switch($(field).prop("tagName")){
                case "INPUT":
                    if($(field).attr("type")=="radio")
$("input[name='"+identifier+"'][value='"+value+"']").prop("checked",true);
                    if($(field).attr("type")=="checkbox"){
                        if(value == "true")
                            $(field).prop("checked",true);
                        else
                            $(field).prop("checked",false);
                    }
                    else
                        $(field).val(value);
                    break;
                case "SPAN":
                    $(field).prop("innerHTML",value);
                    break;
                case "TEXTAREA":
                    $(field).val(value);
                    break;
                case "SELECT":
                    $(field).val(value);
                default:
                    break;
            }
        }
    },
/*
Returns blank if undefined
Params: id
*/
getValue: function(idGot){
    return ( typeof scope.entity.getValue(idGot) ==
"undefined" ) ? "" : scope.entity.getValue(idGot);
},
/*
Führt Ajaxcall aus und gibt Response an eine Callback weiter
Params: Type, URL, dataType, contentType, callback
*/
ajaxCall: function(type, url, dataType, contentType, callback){
    $.ajax({
        type: type,

```

```

        url: url,
        dataType: dataType,
        contentType: contentType
    }).done(function(response){
        if(typeof callback == "function") {
            callback.bind(this)(response)
        } else{
            return response;
        }
    }.bind(this)).fail(function(){
        if(typeof callback == "function") {
            callback.bind(this)(null)
        } else{
            return null;
        }
    }.bind(this));
},

/*
Prüft ob Zeichenkette vars in Wert var vorhanden ist. vars kann ein
String oder ein Array aus mehreren Strings sein
Params: variable1, variable(s)2
*/
stringContains: function(va, vars){
    var c=false;
    switch(typeof vars){
        case "object":
            $(vars).each(function(i, v){
                if(va.indexOf(v)>-1){
                    c=true;
                    return false;
                }
            });
            break;
        case "string":
            if(va.indexOf(vars)>-1){
                c=true;
            }
            break;
        default:
            c = false;
    }
    return c;
},

/*
Fill dropdowns with all users or users from group. Exepts Classname
of the dropdowns
HTML: <select name="INSERT A NAME" id="INSERT AN ID" class="INSERT A
CLASSNAME" group="INSERT A TIM GROUP"></select>
Params: classname
*/

```

FOR PERFORMANCE REASONS ADD QUERIES TO SUPER/ADMIN

Name: getUsersByGroup

Query:

```
SELECT i.ID_, i.NAME_, i.NAMEFIRST, i.NAMELAST, i.EMAIL,
c.DEPARTMENT, c.COMPANYID, c.COMPANYNAME
from
loom_identity i,
loom_identity m,
loom_identity g,
loom_systemconfiguration c
where i.CLASS = 'USER'
and i.ARCHIV_ '0'
and i.USERPROFILE_ID_ = c.ID_
and i.CLIENT_ID_ = ${SYS.CURRENT_CLIENT}
and g.CLASS = 'GROUP'
and m.CLASS = 'MEMBERSHIP'
and m.PARENT_ID_ = g.ID_
and m.USER_ID_ = i.ID_
and g.NAME_ = ?
```

Name: getAllUsers

Query:

```
SELECT i.ID_, i.NAME_, CASE WHEN i.NAMEFIRST IS NULL THEN '' ELSE
i.NAMEFIRST END NAMEFIRST, CASE WHEN i.NAMELAST IS NULL THEN '' ELSE
i.NAMELAST END NAMELAST, i.EMAIL, c.DEPARTMENT, c.COMPANYID, c.COMPANYNAME
FROM
loom_identity i,
loom_systemconfiguration c
where i.CLASS = 'USER'
and i.CLIENT_ID_ = ${SYS.CURRENT_CLIENT}
and i.USERPROFILE_ID_ = c.ID_
and i.ARCHIV_ = '0'
ORDER BY NAMELAST,NAMEFIRST desc
```

*/

```
selectUsersByGroup: function(classGot){
    // Init all selects
    $('.'+classGot).each(function(i, select){
        $(select).attr("loaded","false");
        $(select).empty();
        var val = helper.getValue(
$(select).attr("id") + "RealName" );
        if(val) {
$(this).append($(".<option>").prop({"innerHTML": val + "+helper.getValue(
$(select).attr("id") + "Expression" ).replace("user(", "").replace(")", "")+
")", "selected":true}));
        }
        else{
            var $option =
$(".<option>").attr({"value":"Bitte auswählen...","Expression":""},
```

```
"Email": "", "RealName": "", "default": "default"}).prop({"innerHTML": "Bitte auswählen..."});  
                                if(typeof getSingleTranslation ==  
"function"){  
  
                                if(typeof getSingleTranslation ==  
"function"){  
                                    $option.text(  
getSingleTranslation(null, "select", "Bitte auswählen..."));  
                                }  
                            }  
  
                            $(this).append( $option );  
                        }  
                    };  
  
                    /*  
                     On focus check if loaded and insert users  
                     from group  
                     Fills Select with all users if parameter  
                     group = "Wild Card"  
                     */  
                    var allSelectUsers = null;  
  
                    $('.'+classGot).hover(function(){  
                        //var val =  
$(this).children(":first").prop("innerHTML");  
                        if($(this).attr("loaded") == "false"){  
  
                            var selectedGroup =  
$.trim($(this).attr("group"));  
                            if(!helper.stringContains(selectedGroup, "Wild Card") ||  
!helper.stringContains(selectedGroup, "ALLUSERS")){  
  
                                var fillDropDown =  
function(selectedGroup){  
  
webService.DbConnectionManager.getResultSetAsWsEntity("getUsersByGroup",  
selectedGroup, function(usersGot){  
  
$(this).attr("loaded", "true");  
                                $(this).empty();  
  
                                var $option =  
$("<option>").attr({"value": "Bitte auswählen...", "Expression": "",  
"Email": "", "RealName": "", "default": "default",  
"QNumber": ""}).prop({"innerHTML": "Bitte auswählen..."});  
  
                                if(typeof  
getSingleTranslation == "function"){  
                                    var translation =
```

```

getSingleTranslation(null, "select" , "Bitte auswählen...");  

if(typeof  
translation != "undefined")  
$option.prop("innerHTML", translation);  

}  
  

$(this).append($option);  

for(var  
u=0;u<usersGot.length;u++){  

    var user =  

usersGot[u];  

    var selected =  

false;  

    if(typeof  
helper.getValue($(this).attr("id")) != "undefined"){  

if(helper.getValue($(this).attr("id")) == user.ID_)  

    selected =  

true;  

    }  
  

$(this).append($(".<option>").attr({"value":user.ID_, "Expression":"user("+use  
r.NAME_ + ")", "Email":user.EMAIL, "RealName":user.NAMELAST + " " +  
user.NAMEFIRST, "QNumber": user.NAME_}).prop({"innerHTML":user.NAMELAST + ",  
" + user.NAMEFIRST + "(" + user.NAME_ + ")", "selected":selected}));  

}  

helper.forceRedraw(this);  
  

}.bind(this));  
  

}  

fillDropDown.bind(this)(selectedGroup);  

}  
  

else{  

    var fillAllUsersDropdown =  

function(usersGot){  

$(this).attr("loaded","true");  

    $(this).empty();  

var $option =  

$(".<option>").attr({"value":"Bitte auswählen...","Expression":"",  
"Email":"","RealName":"","default":"default",  
"QNumber":""}).prop({"innerHTML":"Bitte auswählen..."});  
  

if(typeof  
getSingleTranslation == "function"){  

    var translation =  

getSingleTranslation(null, "select" , "Bitte auswählen...");  

    if(typeof translation !=  
"undefined")  
$option.prop("innerHTML", translation);  

}
}

```

```

        $(this).append( $option );

        for(var
u=0;u<usersGot.length;u++){
            var user = usersGot[u];
            var selected = false;
            if(typeof
helper.getValue($(this).attr("id")) != "undefined"){
if(helper.getValue($(this).attr("id")) == user.ID_)
                selected = true;
            }

$(this).append($(".<option>").attr({"value":user.ID_,"Expression":"user("+use
r.NAME_ + ")","Email":user.EMAIL, "RealName":user.NAMELAST + " " +
user.NAMEFIRST, "QNumber": user.NAME_}).prop({"innerHTML":user.NAMELAST + " ,
" + user.NAMEFIRST + "(" + user.NAME_ + ")", "selected":selected}));
            }

            helper.forceRedraw(this);
        }

webService.DbConnectionManager.getResultSetAsWsEntity("getAllUsers", "",

function(usersGot){

    usersGot.sort(function(a, b)
{
            var nameA = null;
            var nameB = null;
            if (!a.LASTNAME)
                nameA = "ZZZ";
            else
                nameA =
a.LASTNAME.toUpperCase();

            if(!b.LASTNAME)
                nameB = "ZZZ";
            else
                nameB =
b.LASTNAME.toUpperCase();

            if (nameA <nameB)
                return -1;
            if (nameA> nameB)
                return 1;
            return 0;
        });

    fillAllUsersDropdown.bind(this)(usersGot);

        }.bind(this));

```

```

        }
    });
};

/* On change create Variables for
Expression, Email and RealName */
$('. '+classGot).change(function(){
    var option =
$(this).children()[$(this).prop("selectedIndex")];
helper.setValue($(this).attr("id"),$(this).val());
helper.setValue($(this).attr("id")+"Expression",$option.attr("Expression"));
);
helper.setValue($(this).attr("id")+"Email",$option.attr("Email"));
helper.setValue($(this).attr("id")+"RealName",$option.attr("RealName"));
helper.setValue($(this).attr("id")+"Group",$this.attr("group"));
helper.setValue($(this).attr("id")+"GroupExpression", "group(" +
$(this).attr("group") + ")");
helper.setValue($(this).attr("id")+"QNumber", $(option).attr("qnumber"));

});
},
forceRedraw: function(element){

    if (!element) { return; }
    var n = document.createTextNode(' ');
    var disp = element.style.display; // don't worry about
previous display style

    element.appendChild(n);
//element.style.display = 'none';

    setTimeout(function(){
        element.style.display = disp;
        if(n.parentNode != null)
            n.parentNode.removeChild(n);
    },20); // you can play with this timeout to make it as short
as possible
},
/*
Returns Firstname, Lastname from user got. If undefined returns
username.
Param: User
*/
getUserName: function(userGot){
    var name = "";
    name += ( typeof userGot.namefirst != "undefined" )
? userGot.namefirst + ", " : "";
    name += ( typeof userGot.namelast != "undefined" ) ?
userGot.namelast : "";
}

```

```
        if(name == "")  
            name = userGot.name;  
        return name;  
    },  
    getUserNameReverse: function(userGot){  
        var name = "";  
        name += ( typeof userGot.namelast != "undefined" ) ?  
userGot.namelast + ", " : "";  
        name += ( typeof userGot.namefirst != "undefined" ) ?  
userGot.namefirst : "";  
  
        if(name == "")  
            name = userGot.name;  
        return name;  
    },  
  
    /*  
     * Returns department of userGot  
     * Param: user  
     */  
    getUserDepartment: function(userGot){  
        if(typeof userGot.userProfile[0].department != "undefined")  
            return userGot.userProfile[0].department;  
        else  
            return "";  
  
    },  
  
    /* Deletes all CBA and Bootstrap CSS from DOM*/  
    removeCBASTyles: function(){  
        var $cssFiles = $('.customCss,link[rel=stylesheet]');  
        var $parent = $cssFiles.parent();;  
  
        $cssFiles.each(function(i, css){  
            var href = $(css).attr("href").toLowerCase();  
            if(href.indexOf("cba")>-1 || href.indexOf("bootstrap")>-1){  
                $parent.remove(css);  
            }  
        });  
    },  
    /*  
     * returns date as string in format dd.MM.yyyy  
     * Params: Date  
     */  
    getDateString: function(dateGot){  
        var day = dateGot.getDate().toString();  
        day = (day.length == 1) ? "0"+day : day;  
  
        var month = (parseInt( dateGot.getMonth() ) + 1).toString();  
        month = (month.length == 1) ? "0"+month : month;
```

```

        return day + "." + month + "." + dateGot.getFullYear();
    },

    /*
    returns time as string in format hh:mm
    Params: Date
    */
    getTime: function(dateGot){
        var h = dateGot.getHours().toString();
        h = (h.length == 1) ? "0"+h : h;

        var m = dateGot.getMinutes().toString();
        m = (m.length == 1) ? "0"+m : m;

        return h+":"+m;
    },

    /*
    fills an Selectfield with the given arrays
    Params: id of the select
    array: array filled plain text or objects. If objects, all
attributes are taken
    attributeList: if only certain attributes of objects should be
taken

    */
    populateSelectFromArray: function(idGot, array, attributeList){
        $('#'+idGot).find('option').remove();
        $('#'+idGot).append($('

```

```

                count++;
            } else if(attributeListBool){
                currentString += " - " + e[key];
                count++;
            }
        }
    });
    if(currentString)
        $('#' + idGot).append($('

```

```
,  
  
/*  
checks if regex matches on change  
params fields  
  
example: <input type="text" name="name" id="id" regex="^\d*"$  
message="only digits"/>  
*/  
checkValidInput: function(fields){  
    $(fields).unbind("change");  
    $(fields).change(function(){  
        var regex = new RegExp( $(this).attr("regex") );  
        var message = $(this).attr("message");  
        if(!regex.test($(this).val())){  
            alert(message);  
            helper.setValue($(this).attr("id"), "");  
        }  
        else  
            helper.setValue($(this).attr("id"), $(this).val());  
    });  
},  
  
alert: function(titleGot, textGot, callback){  
    $("<div>").dialog({  
        draggable:false,  
        modal: true,  
        resizable: false,  
        show: {effect: "fadeIn"},  
        title: titleGot,  
        maxWidth: 600,  
        open: function(){  
            $(this).html(textGot);  
            $(".ui-dialog-titlebar-close").css("display", "none");  
        },  
        buttons: {  
            Ok: function(){  
                $(this).dialog("close");  
                $(this).dialog("destroy");  
                if(typeof callback == "function")  
                    eval(callback());  
            }  
        },  
        create:function () {  
            $(this).closest(".ui-dialog").find(".ui-dialog-buttonset  
button").addClass("btn btn-primary");  
        }  
    });  
},
```

```
    confirm: function(titleGot, textGot, btnOKText, btnCancelText,
callback){
    //bootbox.alert(textGot);
    $("<div>").dialog({
        draggable:false,
        modal: true,
        resizable: false,
        show: {effect: "fadeIn"},
        title: titleGot,
        open: function(){
            $(this).html(textGot);
            $(".ui-dialog-titlebar-close").css("display","none");
        },
        buttons: {
            Ok: function(){
                $(this).dialog("close");
                $(this).dialog("destroy");
                if(typeof callback == "function")
                    eval(callback(true));
            },
            Abbrechen: function(){
                $(this).dialog("close");
                $(this).dialog("destroy");
                if(typeof callback == "function")
                    eval(callback(false));
            }
        },
        create:function () {
            $(this).closest(".ui-dialog").find(".ui-dialog-buttonset
button").first().addClass("btn btn-primary");
            $(this).closest(".ui-dialog").find(".ui-dialog-buttonset
button").first().next().addClass("btn btn-danger");
            if(btnOKText)
                $(this).closest(".ui-dialog").find(".ui-dialog-
buttonset button").first().html(btnOKText);
            if(btnCancelText)
                $(this).closest(".ui-dialog").find(".ui-dialog-
buttonset button").first().next().html(btnCancelText);

        }
    });
}

return helper;
}
```

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