# Filtres autoFilter

## Objectif :



## Mise en place :

\_config**.**objects**=[**

 **{**

 tag**:**"objectDefinition"**,**

 id**:**"grid1"**,**

 label**:**"Grid 1"**,**

 fields**:[**

 **{**tag**:**"formInput"**,** id**:**"id"**,** label**:**"Id"**,** type2**:**"string"**},**

 **{**tag**:**"formInput"**,** id**:**"label"**,** label**:**"Label"**,** type2**:**"string"**},**

 **{**tag**:**"formInput"**,** id**:**"prop1"**,** label**:**"Propriété 1"**,** type2**:**"uint"**},**

 **{**tag**:**"formInput"**,** id**:**"prop2"**,** label**:**"Propriété 2"**,** type2**:**"string"**},**

 **{**tag**:**"formInput"**,** id**:**"prop3"**,** label**:**"Propriété 3"**,** type2**:**"string"**},**

 **{**tag**:**"formInput"**,** id**:**"prop4"**,** label**:**"Propriété 4"**,** type2**:**"string"**}**

 **],**

 grid**:{**

 groupAutos**:false,**

 autoFilters**:[**

 **{**idField**:**"prop1"**,** enabled**:true,** defaultOperator**:**"starts with"**},**

 **{**idField**:**"prop3"**},**

 **{**idField**:**"prop4"**,** enabled**:true}**

 **],**

 containerAutoFilters**:**"top-left"

 **}**

 **},**

 **{**

 tag**:**"objectDefinition"**,**

 id**:**"folder"**,**

 label**:**"Folder"**,**

 fields**:[**

 **{**tag**:**"formInput"**,** id**:**"id"**,** label**:**"Id"**,** type2**:**"string"**,** block**:**"blockId"**},**

 **{**tag**:**"formInput"**,** id**:**"label"**,** label**:**"Label"**,** type2**:**"string"**,** required**:true,** block**:**"blockId"**},**

 **{**tag**:**"formInput"**,** id**:**"icon"**,** label**:**"Icon"**,** type2**:**"string"**,** block**:**"blockId"**},**

 **{**tag**:**"formInput"**,** id**:**"childrenDisplay"**,** label**:**"Children display"**,** type2**:**"string"**,** block**:**"blockId"**,** possibleValues**:[**"dashboard"**,** "list"**,** "cards"**,** "grid"**],** onchange**:function(**evt**){**

 **var** **form=this.**\_form**;**

 **var** field**=form.**\_params**.**fields**.**find**(**field **=>** field**.**id**==**"children"**);**

 field**.**tag**=this.**value**;**

 field**.**visible**=(this.**value**!=**"none"**)?** **true** **:** **false;**

 field**.**columns**=[{**idField**:**"label"**}];**

 **form.**updateContent2**()**

 }},

 {tag:"dashboard", id:"children", label:"", showLabel:false, type2:"array", block:"blockChildren", childrenDisplay:\_config.views, style:{width: "200px", height:"200px", backgroundColor:"white"}}

 ],

 blocks:[

 {tag:"formBlock", id:"blockId", collapsable:true},

 {tag:"formBlock", id:"blockChildren"}

 ]

 },

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 label:"Note",

 fields:[

 {tag:"formInput", id:"id", label:"Id", type2:"string", block:"blockId"},

 {tag:"formInput", id:"label", label:"Label", type2:"string", required:true, block:"blockId"},

 {tag:"formInput", id:"tag", label:"Tag", type2:"string", block:"blockId", proposedValues:["folder", "note"]},

 {tag:"formInput", id:"icon", label:"Icon", type2:"string", block:"blockId"},

 {tag:"formInput", id:"childrenDisplay", label:"Children display", type2:"string", block:"blockId", possibleValues:["dashboard", "list", "cards", "grid", "none"], defaultValue:"none", onchange:function(evt){

 var me=this.\_form;

 me.updateChildrenDisplay(this.value);

 }},

 {tag:"formInput", id:"html", label:"", showLabel:false, type2:"longText", block:"blockMain", style:{width:"100%", height:"100px"}},

 {tag:"dashboard", id:"children", label:"", showLabel:false, type2:"array", block:"blockMain", childrenDisplay:\_config.views, style:{width: "200px", height:"200px", backgroundColor:"white"}}

 ],

 blocks:[

 {tag:"formBlock", id:"blockId", collapsable:true},

 {tag:"formBlock", id:"blockMain"}

 ],

 fns:{

 updateChildrenDisplay:function(childrenDisplay){

 var field=this.\_params.fields.find(field => field.id=="children");

 if(childrenDisplay)this.record.childrenDisplay=childrenDisplay;

 var type=this.record.childrenDisplay || "none";

 field.tag=(type!="none")? type : "list";

 field.visible=(type!="none")? true : false;

 this.updateContent2()

 },

 onOpen:function(){

 this.updateChildrenDisplay()

 }

 }

 },

 {

 tag:"objectDefinition",

 id:"user",

 label:"Users",

 fields:[

 {tag:"formInput", id:"id", label:"Id", type2:"string", required:true},

 {tag:"formInput", id:"login", label:"Login", type2:"string", defaultValue:"newUser", required:true},

 {tag:"formInput", id:"password", label:"Password", type2:"string", required:true},

 {tag:"formInput", id:"firstName", label:"First name", type2:"string"},

 {tag:"formInput", id:"lastName", label:"Last name", type2:"string"},

 {tag:"formInput", id:"active", label:"Active", type2:"boolean"},

 {tag:"grid", id:"groups", label:"Group", type2:""}

 ]

 },

 {

 tag:"objectDefinition",

 id:"group",

 label:"Group",

 fields:[

 {tag:"formInput", id:"id", label:"Id", type2:"string", required:true},

 {tag:"formInput", id:"name", label:"Name", type2:"string", required:true},

 {tag:"grid", id:"users", label:"Users", type2:""}

 ]

 },

 {

 tag:"objectDefinition",

 id:"dataSource",

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 tag:"objectDefinition",

 id:"mapSource",

 fields:[]

 },

 {

 tag:"objectDefinition",

 id:"applicationDefinition",

 label:"application",

 fields:[

 {tag:"dashboard", id:"classes", label:"Classes", type2:"array", block:"tabClasses", showLabel:false, labelsProperty:"id", possibleChildren:[{idObj:"classDefinition"}], style:{height:"400px"}, childrenDisplay:\_config.views},

 {tag:"formInput", id:"id", label:"Id", type2:"string", required:true, block:"tabMain"},

 {tag:"formInput", id:"label", label:"Label", type2:"string", required:true, block:"tabMain"},

 {tag:"formInput", id:"icon", label:"Icon", type2:"string", block:"tabMain"},

 {tag:"formInput", id:"inherits", label:"Inherits", type2:"string", block:"tabMain"},

 {tag:"formInput", id:"idLayout", label:"Layout", type2:"string", required:true, block:"tabMain"},

 {tag:"formInput", id:"defaultDataSource", label:"Default dataSource", type2:"string", block:"tabMain"},

 {tag:"formInput", id:"modeDisplay", label:"Mode display", type2:"string", block:"tabMain", possibleValues:[{idObj:"grid"}, {idObj:"synoptic"}, {idObj:"map"}]},

 {tag:"grid", id:"objects", type2:"", showLabel:false, block:"tabOjects", columns:[{idField:"label"}], possibleChildren:[{idObj:"objectDefinition"}]},

 {tag:"grid", id:"lexicons", type2:"", showLabel:false, block:"tabLexicons", columns:[{idField:"label"}], possibleChildren:[{idObj:"lexicon"}]},

 {tag:"grid", id:"reports", type2:"", showLabel:false, block:"tabReports", columns:[{idField:"label"}], possibleChildren:[{idObj:"report"}]},

 {tag:"grid", id:"queries", type2:"", showLabel:false, block:"tabQueries", columns:[{idField:"label"}], possibleChildren:[{idObj:"query"}]},

 {tag:"grid", id:"actions", showLabel:false, type2:"", block:"tabActions", columns:[{idField:"label"}], possibleChildren:[{idObj:"action"}]},

 ],

 blocks:[{

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 direction:"vertical",

 children:[

 {tag:"tab", id:"tabClasses", label:"Classes", icon:"img/classes.png"},

 {tag:"tab", id:"tabDocumentation", label:"Documentation", icon:"img/documentation.png"},

 {tag:"tab", id:"tabDefinitions", label:"Definitions", icon:"img/definitions.png", children:[{

 tag:"tabs",

 children:[

 {tag:"tab", id:"tabMain", label:"Main"},

 {tag:"tab", id:"tabOjects", label:"Objects"},

 {tag:"tab", id:"tabLexicons", label:"Lexicons"},

 {tag:"tab", id:"tabReports", label:"Reports"},

 {tag:"tab", id:"tabQueries", label:"Queries"},

 {tag:"tab", id:"tabActions", label:"Actions"}

 ]

 }]},

 ]

 }]

 },

 {

 tag:"objectDefinition",

 id:"classProperty",

 fields:[

 {tag:"formInput", id:"id", label:"Id", type2:"string"},

 {tag:"formInput", id:"type", label:"Type", type2:"string", proposedValues:"$ appli.getPossibleTypesFields()"},

 {tag:"formInput", id:"comment", label:"Comment", type2:"longText"}

 ]

 },

 {

 tag:"objectDefinition",

 id:"classMethod",

 widthLabels:"80px",

 fields:[

 {tag:"formInput", id:"id", label:"Id", type2:"string", block:"blockId"},

 {tag:"formInput", id:"type", label:"Type", type2:"string", proposedValues:"$ appli.getPossibleTypesFields()", block:"blockId"},

 {tag:"formInput", id:"comment", label:"Comment", type2:"longText", block:"blockId"},

 {tag:"grid", id:"proto", label:"", type2:"array", showLabel:false, possibleChildren:[{idObj:"methodArgument"}], block:"blockId", columns:[{idField:"id"}, {idField:"type"}]},

 {tag:"formInput", id:"calculated\_proto", label:"Prototype", type2:"calculated", showLabel:false, calculatedValue:"$ form.txtPrototype()", block:"blockProto", style:{width:"90%", backgroundColor:"transparent", fontWeight:"bold", border:"none", marginBottom:"10px"}},

 {tag:"formInput", id:"code", label:"", type2:"longText", showLabel:false, possibleChildren:[{idObj:"methodArgument"}], block:"blockCode", style:{width:"90%", minHeight:"200px"}}

 ],

 blocks:[

 {tag:"formBlock", id:"blockId", label:"", collapsable:true},

 {tag:"formBlock", id:"blockProto", label:""},

 {tag:"formBlock", id:"blockCode", label:""}

 ],

 fns:{

 txtPrototype:function(record){

 var record=this.record;

 return record.id + " (" + record.proto.map(arg => arg.id).join(", ") + ")";

 }

 }

 },

 {

 tag:"objectDefinition",

 id:"methodArgument",

 fields:[

 {tag:"formInput", id:"id", label:"Id", type2:"string"},

 {tag:"formInput", id:"type", label:"Type", type2:"string", proposedValues:"$ appli.getPossibleTypesFields()"},

 {tag:"formInput", id:"comment", label:"Comment", type2:"longText"},

 {tag:"formInput", id:"isRequired", label:"Required!", type2:"boolean"}

 ]

 },

 {

 tag:"objectDefinition",

 id:"action",

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 {tag:"formInput", id:"label", label:"Label", type2:"string", required:true},

 {tag:"formInput", id:"icon", label:"Icon", type2:"string"}

 ]

 },

 {

 tag:"objectDefinition",

 id:"lexicon",

 fields:[

 {tag:"formInput", id:"id", label:"Id", type2:"string", required:true},

 {tag:"grid", id:"children", label:"Possible values", type2:"", possibleChildren:["lexiconValue"]}

 ]

 },

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 id:"lexiconValue",

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 {tag:"formInput", id:"label", label:"Label", type2:"string", required:true},

 {tag:"formInput", id:"icon", label:"Icon", type2:"string"}

 ]

 },

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 tag:"objectDefinition",

 id:"report",

 fields:[

 {tag:"formInput", id:"id", label:"Id", type2:"string", required:true},

 {tag:"formInput", id:"label", label:"Label", type2:"string", required:true}

 ]

 },

 {

 tag:"objectDefinition",

 id:"query",

 fields:[

 {tag:"formInput", id:"id", label:"Id", type2:"string", required:true},

 {tag:"formInput", id:"label", label:"Label", type2:"string", required:true}

 ]

 },

 {

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 id:"objectDefinition",

 fields:[

 {tag:"formInput", id:"id", label:"Id", type2:"string", block:"tabMain", required:true},

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 {tag:"formInput", id:"icon", label:"Icon", type2:"string", block:"tabMain"},

 {tag:"formInput", id:"type", label:"Type", type2:"string", block:"tabMain", dependant:true, possibleValues:"$ appli.getPossibleTypesObjects(record)"},

 {tag:"formInput", id:"nameTable", label:"Name table", type2:"string", block:"tabMain"},

 {tag:"formInput", id:"autostore", label:"Auto-store", type2:"boolean", block:"tabMain"},

 {tag:"formInput", id:"typeGeometry", label:"Type geometry", type2:"string", block:"tabMain", possibleValues:"$ appli.getPossibleTypesGeometries(record)"},

 {tag:"grid", id:"fields", type2:"array", block:"tabFields", showLabel:false, columns:[{idField:"label", label:"label"}], possibleChildren:["field"]},

 {tag:"grid", id:"blocks", label:"Blocks", type2:"array", block:"tabBlocks", showLabel:false, columns:[{idField:"label", label:"label"}], possibleChildren:["block"]},

 {tag:"form2", id:"grid", label:"Grid", type2:"array", block:"tabGrid", showLabel:false, idObj:"grid"},

 {tag:"grid", id:"actions", label:"Actions", type2:"array", block:"tabActions", showLabel:false, columns:[{idField:"label", label:"label"}], possibleChildren:["action"]}

 ],

 blocks:[{

 tag:"tabs",

 children:[

 {tag:"tab", id:"tabMain", label:"Main"},

 {tag:"tab", id:"tabFields", label:"Fields"},

 {tag:"tab", id:"tabBlocks", label:"Blocks"},

 {tag:"tab", id:"tabGrid", label:"Grid"},

 {tag:"tab", id:"tabActions", label:"Actions"}

 ]

 }]

 },

 {

 tag:"objectDefinition",

 id:"field",

 fields:[

 {tag:"formInput", id:"tag", label:"Tag", type2:"string", block:"tabMain", required:true, proposedValues:["formInput", "form2", "grid"]},

 {tag:"formInput", id:"id", label:"Id", type2:"string", block:"tabMain", required:true},

 {tag:"formInput", id:"label", label:"Label", type2:"string", block:"tabMain"},

 {tag:"formInput", id:"type2", label:"Type", type2:"string", block:"tabMain", possibleValues:"$ appli.getPossibleTypesFields(record)"},

 {tag:"formInput", id:"required", label:"Required", type2:"boolean", block:"tabMain"},

 {tag:"formInput", id:"block", label:"Block", type2:"string", block:"tabMain", proposedValues:"$ appli.getPossibleBlocks(record)"},

 {tag:"checkOrExpr", id:"enabled", label:"Enabled", type2:"boolean", block:"tabMain"},

 {tag:"checkOrExpr", id:"visible", label:"Visible", type2:"boolean", block:"tabMain"},

 {tag:"checkOrExpr", id:"showLabel", label:"Show label", type2:"boolean", block:"tabMain"},

 {tag:"formInput", id:"defaultValue", label:"Default value", type2:"string", block:"tabValues"},

 {tag:"formInput", id:"min", label:"Min", type2:"int", block:"tabValues"},

 {tag:"formInput", id:"max", label:"Max", type2:"int", block:"tabValues"},

 {tag:"formInput", id:"possibleValues", label:"Possible values", type2:"string", block:"tabValues", proposedValues:"$ appli.getLexicons(record)"},

 {tag:"formInput", id:"proposedValues", label:"Proposed values", type2:"string", block:"tabValues", proposedValues:"$ appli.getLexicons(record)"}

 ],

 blocks:[{

 tag:"tabs",

 children:[

 {tag:"tab", id:"tabMain", label:"Main"},

 {tag:"tab", id:"tabValues", label:"Values"}

 ]

 }]

 },

 {

 tag:"objectDefinition",

 id:"dashboard",

 possibleChildren:[

 {idObj:"ayd1"},

 {idGroup:"groupObjsA"}

 ]

 },

 {

 tag:"objectDefinition",

 id:"form2",

 fields:[

 //{tag:"formInput", id:"id", label:tr("Id"), type2:"string", block:"general"},

 //{tag:"formInput", id:"label", label:tr("Label"), type2:"string", block:"general"},

 {tag:"grid", id:"fields", label:"", type2:"", block:"fields", possibleChildren:[{idObj:"field"}], columns:[{idField:"id"}, {idField:"label"}]},

 {tag:"grid", id:"blocks", label:"", type2:"", block:"blocks", possibleChildren:[{idObj:"block"}], columns:[{idField:"tag"}, {idField:"id"}, {idField:"label"}]},

 {tag:"form2", id:"grid", label:"", type2:"", idObj:"grid", block:"grid"}

 ],

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 tag:"tabs",

 children:[

 //{tag:"tab", id:"general", label:"General"},

 {tag:"tab", id:"fields", label:"Fields"},

 {tag:"tab", id:"blocks", label:"Blocks"},

 {tag:"tab", id:"grid", label:"Grid"}

 ]

 }]

 },

 {

 tag:"objectDefinition",

 id:"grid",

 fields:[

 {tag:"formInput", id:"multiselect", label:tr("Multiselect"), main:true, type2:"boolean", defaultValue:true, enabled:function(record, form){return record && record.info1 > 15}, block:"behaviour"},

 {tag:"formInput", id:"height", label:tr("Height"), type2:"uint", block:"styles", possibleValues:"$ listValues('[info1]', '[info2]')"},

 {tag:"formInput", id:"widthColumnMin", label:tr("Width column min"), type2:"uint", block:"styles"},

 {tag:"formInput", id:"widthColumnMax", label:tr("Width column max"), type2:"uint", block:"styles"},

 {tag:"formInput", id:"classNameRecord", label:tr("className record"), type2:"string", block:"styles"},

 {tag:"grid", id:"columns", label:tr("Columns"), type2:"", showLabel:false, block:"columns", main:true, possibleChildren:[{idObj:"column"}], columns:[{idField:"idField"}]},

 {tag:"grid", id:"actions", label:tr("Actions"), type2:"", showLabel:false, block:"actions", possibleChildren:[{idObj:"action"}], columns:[{idField:"id"}, {idField:"label"}, {idField:"position"}]},

 {tag:"grid", id:"filters", label:tr("Filters"), type2:"", block:"filters"},

 {tag:"grid", id:"sorts", label:tr("Sorts"), type2:"", block:"sorts"},

 {tag:"grid", id:"quickFilters", label:tr("Quick filters"), type2:"", block:"filters"},

 {tag:"grid", id:"quickSorts", label:tr("Quick sorts"), type2:"array", block:"sorts"},

 {tag:"grid", id:"quickGroups", label:tr("Quick groups"), type2:"array", block:"groups"},

 {tag:"grid", id:"possibleChildren", label:tr("Possible children"), type2:"array", showLabel:false, possibleChildren:[{idObj:"possibleGridChild"}, {idObj:"possibleGridGroup"}], block:"possibleChildren"},

 {tag:"formInput", id:"typeActions", label:tr("Type actions"), type2:"string", block:"actions"}

 ],

 blocks:[{

 tag:"tabs",

 children:[

 {tag:"tab", id:"main", label:tr("Main"), children:[

 {tag:"formBlock", id:"styles", label:"Styles"},

 {tag:"formBlock", id:"behaviour", label:"Behaviour"},

 ]},

 {tag:"tab", id:"data", label:tr("Data"), children:[]},

 {tag:"tab", id:"columns", label:tr("Columns"), children:[]},

 {tag:"tab", id:"filters", label:tr("Filters"), children:[]},

 {tag:"tab", id:"sorts", label:tr("Sorts"), children:[]},

 {tag:"tab", id:"groups", label:tr("Groups"), children:[]},

 {tag:"tab", id:"possibleChildren", label:tr("Possible children"), children:[]},

 {tag:"tab", id:"actions", label:tr("Actions"), children:[]},

 ]

 }]

 },

 {

 tag:"objectDefinition",

 id:"column",

 fields:[

 {tag:"formInput", id:"id", label:tr("Id"), type2:"string"},

 {tag:"formInput", id:"label", label:tr("Label"), type2:"string"},

 {tag:"formInput", id:"width", label:tr("Width"), type2:"uint"}

 ]

 },

 {

 tag:"objectDefinition",

 id:"possibleGridChild",

 fields:[

 {tag:"formInput", id:"idObj", label:tr("Object"), type2:"string", possibleValues:"$ appli.getPossibleObjects().map(obj => obj.id)"}

 ]

 },

 {

 tag:"objectDefinition",

 id:"possibleGridGroup",

 fields:[

 {tag:"formInput", id:"idObj", label:tr("Group"), type2:"string", possibleValues:"$ appli.getPossibleGroups().map(obj => obj.id)"}

 ]

 },

 {

 tag:"objectDefinition",

 id:"filters",

 fields:[

 {tag:"formInput", id:"idField", label:tr("Field"), type2:"string", possibleValues:"$ appli.getPossibleFields().map(obj => obj.id)"},

 {tag:"formInput", id:"operator", label:tr("Operator"), type2:"string", possibleValues:"$ appli.getPossibleOperators('[idField]', this)"},

 {tag:"formInput", id:"value", label:tr("Value"), type2:"string"}

 ]

 },

 {

 tag:"objectDefinition",

 id:"sorts",

 fields:[

 {tag:"formInput", id:"idField", label:tr("Field"), type2:"string", possibleValues:"$ appli.getPossibleFields().map(obj => obj.id)"},

 {tag:"formInput", id:"direction", label:tr("Direction"), type2:"string", possibleValues:["asc", "des"]}

 ]

 },

 {

 tag:"objectDefinition",

 id:"formInput",

 fields:[

 {tag:"formInput", id:"id", label:"Id", type2:"string", required:true},

 {tag:"formInput", id:"label", label:"Label", type2:"string"},

 {tag:"formInput", id:"type2", label:"Type", type2:"string", required:true, defaultValue:"string"},

 {tag:"formInput", id:"possibleValues", label:"Possible values", type2:"string"},

 {tag:"formInput", id:"proposedValues", label:"Proposed values", type2:"string"},

 {tag:"formInput", id:"dependent", label:"Dependant", type2:"boolean"},

 {tag:"checkOrExpr", id:"enabled", label:"Enabled", type2:"boolean"},

 {tag:"checkOrExpr", id:"visible", label:"Visible", type2:"boolean"}

 ]

 },

 {

 tag:"objectDefinition",

 id:"classDefinition",

 fields:[

 {tag:"formInput", id:"id", label:"id", type2:"string", required:true, block:"tabMain"},

 {tag:"formInput", id:"label", label:"Label", type2:"string", required:true, defaultValue:"new Class", block:"tabMain"},

 {tag:"formInput", id:"comment", label:"Comment", type2:"longText", block:"tabMain"},

 {tag:"dashboard", id:"properties", label:"Properties", type2:"array", block:"tabProperties", showLabel:false, labelsProperty:"id", possibleChildren:[{idObj:"classProperty"}], style:{height:"400px"}, childrenDisplay:\_config.views},

 {tag:"dashboard", id:"methods", label:"Methods", type2:"array", block:"tabMethods", showLabel:false, labelsProperty:"id", possibleChildren:[{idObj:"classMethod"}], style:{height:"400px"}, childrenDisplay:\_config.views}

 ],

 blocks:[{

 tag:"tabs",

 children:[

 {tag:"tab", id:"tabMain", label:"Main"},

 {tag:"tab", id:"tabProperties", label:"Properties"},

 {tag:"tab", id:"tabMethods", label:"Methods"}

 ]

 }]

 },

 {

 tag:"objectDefinition",

 id:"ayd1",

 fields:[

 {tag:"formInput", id:"id", label:"Id", type2:"string", required:true, block:"general"},

 {tag:"formInput", id:"label", label:"Label", type2:"string", required:true, block:"general"},

 {tag:"formInput", id:"date\_birth", label:"Birth date", type2:"date", block:"general"},

 {tag:"formInput", id:"address\_1", label:"Adress", type2:"string", block:"coords"},

 {tag:"formInput", id:"address\_2", label:"", type2:"string", block:"coords"},

 {tag:"formInput", id:"zip", label:"Zip code", type2:"string", block:"coords"},

 {tag:"formInput", id:"city", label:"City", type2:"string", block:"coords"},

 {tag:"formInput", id:"phone\_1", label:"Phone 1", type2:"phone", block:"coords"},

 {tag:"formInput", id:"phone\_2", label:"Phone 2", type2:"phone", block:"coords"},

 {tag:"formInput", id:"mail\_1", label:"Mail 1", type2:"mail", block:"coords"},

 {tag:"formInput", id:"mail\_2", label:"Mail 2", type2:"mail", block:"coords"}

 ],

 blocks:[{

 tag:"tabs",

 children:[

 {tag:"tab", id:"general", label:"General"},

 {tag:"tab", id:"coords", label:"Coords"}

 ]

 }],

 grid:{

 columns:[

 {id:"col1", idField:"label"},

 {id:"col2", idField:"date\_birth"},

 {id:"col3", idField:"address\_1", visible:false},

 {id:"col4", idField:"address\_2", visible:false}

 ]

 }

 },

 {

 tag:"objectDefinition",

 id:"ayd5",

 fields:[

 {id:"col1", label:"Column 1", tag:"formInput", type2:"string"},

 {id:"col2", label:"Column 2", tag:"formInput", type2:"number"},

 {id:"col3", label:"Column 3", tag:"formInput", type2:"date"}

 ]

 },

 {

 tag:"objectDefinition",

 id:"inhume1",

 fields:[

 {id:"yy1", label:"YY1", tag:"formInput", block:"tab1"},

 {id:"yy2", label:"YY2", tag:"formInput", block:"tab1"},

 {id:"yy3", label:"YY3", tag:"formInput", block:"tab1"}

 ],

 blocks:[{tag:"tabs", children:[

 {tag:"tab", id:"tab1", label:"Tab 1"},

 {tag:"tab", id:"tab2", label:"Tab 2"},

 {tag:"tab", id:"tab3", label:"Tab 3"}

 ]}],

 grid:{

 multiselect:true,

 columns:[

 {idField:"yy1"},

 {idField:"yy2"}

 ],

 filters:[

 {idField:"yy1", operator:"=", value:"aaa"}

 ],

 possibleChildren:[

 {idObj:"objA"},

 {idObj:"objB"},

 {idGroup:"groupObjsA"}

 ]

 }

 },

 {

 tag:"objectDefinition",

 id:"objA",

 label:"Object A",

 fields:[

 {id:"yy1", label:"YY1", tag:"formInput", defaultValue:"11"},

 {id:"yy2", label:"YY2", tag:"formInput"},

 {id:"yy3", label:"YY3", tag:"formInput", defaultValue:"33"}

 ],

 },

 {

 tag:"objectDefinition",

 id:"objB",

 label:"Object B",

 fields:[

 {id:"yy1", label:"YY1", tag:"formInput"},

 {id:"yy2", label:"YY2", tag:"formInput", defaultValue:"22"},

 {id:"yy3", label:"YY3", tag:"formInput"}

 ],

 },

 {

 tag:"objectDefinition",

 id:"objC",

 label:"Object C",

 fields:[

 {id:"yy1", label:"YY1", tag:"formInput"},

 {id:"yy2", label:"YY2", tag:"formInput"},

 {id:"yy3", label:"YY3", tag:"formInput"}

 ]

 },

 {

 tag:"objectDefinition",

 id:"objD",

 label:"Object D",

 fields:[

 {id:"val1", label:"Val 1", tag:"formInput"},

 {id:"val2", label:"Val 2", tag:"formInput"},

 {id:"val3", label:"Val 3", tag:"formInput"}

 ]

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 {

 tag:"objectDefinition",

 id:"objE",

 label:"Object E",

 fields:[

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 {id:"val2", label:"Val 2", tag:"formInput"},

 {id:"val3", label:"Val 3", tag:"formInput"}

 ]

 },

 {

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 id:"tag5XXX",

 fields:[]

 }

];