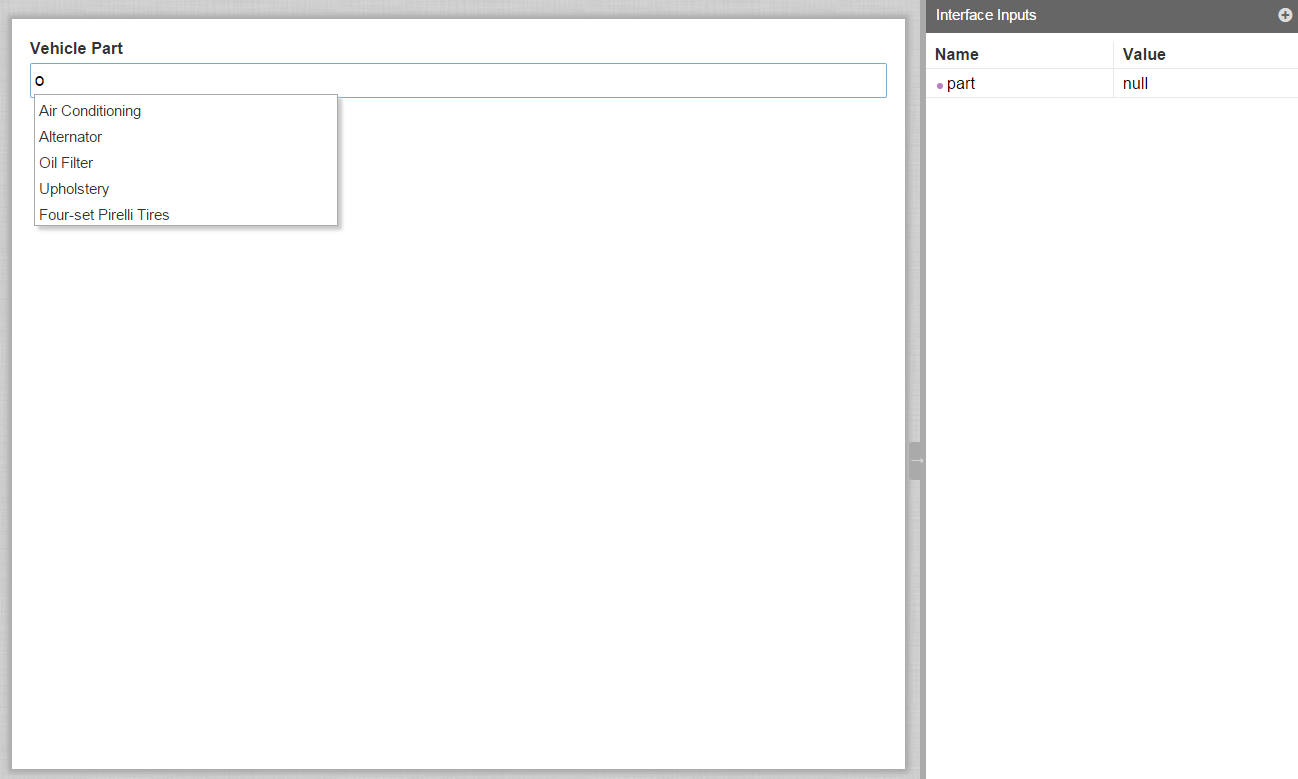
# **Custom Picker Exercises - Solutions**

**Exercise 1: Custom Picker**



= load(

local!parts: rule!VFM\_getAllVehicleParts(),

a!pickerFieldCustom(

label: "Vehicle Part",

maxSelections: 1,

suggestFunction: rule!ucArrayPickerFilter(

filter: \_,

labels: local!parts.name,

identifiers: local!parts.id

),

selectedLabels: if(

or(

isnull(ri!part),

count(ri!part)=0

),

null,

rule!ucArrayPickerGetLabelForIdentifier(

identifier: ri!part,

labels: local!parts.name,

identifiers: local!parts.id

)

),

value: ri!part,

saveInto: ri!part

)

)

Editable Grid Row:

a!gridRowLayout(

id: ri!index,

contents: {

**a!pickerFieldCustom(**

**label: "Vehicle Part",**

**maxSelections: 1,**

**suggestFunction: rule!ucArrayPickerFilter(**

**filter: \_,**

**labels: ri!parts.name,**

**identifiers: ri!parts.id**

**),**

**selectedLabels: if(**

**or(**

**isnull(ri!request[ri!index].partId),**

**count(ri!request[ri!index].partId)=0**

**),**

**null,**

**rule!ucArrayPickerGetLabelForIdentifier(**

**identifier: ri!request[ri!index].partId,**

**labels: ri!parts.name,**

**identifiers: ri!parts.id**

**)**

**),**

**value: ri!request[ri!index].partId,**

**saveInto: ri!request[ri!index].partId**

**),**

a!textField(

label: "Repair Cost",

labelPosition: "ABOVE",

value: dollar(ri!request[ri!index].repairCost),

saveInto: ri!request[ri!index].repairCost,

refreshAfter: "UNFOCUS",

required: true,

validations: {}

),

a!dateField(

label: "Date Needed",

labelPosition: "ABOVE",

value: ri!request[ri!index].dateNeeded,

saveInto: ri!request[ri!index].dateNeeded,

validations: {}

),

a!dropdownField(

label: "Type of Maintenance",

labelPosition: "ABOVE",

choiceLabels: {"Routine", "Other"},

placeholderLabel: "Select a type",

choiceValues: {true, false},

value: ri!request[ri!index].isRoutine,

saveInto: ri!request[ri!index].isRoutine,

required: true,

choiceLayout: "STACKED",

validations: {}

),

a!paragraphField(

label: "Description of Repair",

labelPosition: "ABOVE",

value: ri!request[ri!index].reason,

saveInto: ri!request[ri!index].reason,

refreshAfter: "UNFOCUS",

height: "SHORT",

validations: {}

),

a!imageField(

size: "ICON",

images: a!documentImage(

document: a!iconIndicator(icon: "REMOVE"),

link: a!dynamicLink(

value: ri!index,

saveInto: {

a!save(ri!request, remove(ri!request, save!value)),

a!save(ri!token, remove(ri!token, save!value))

}

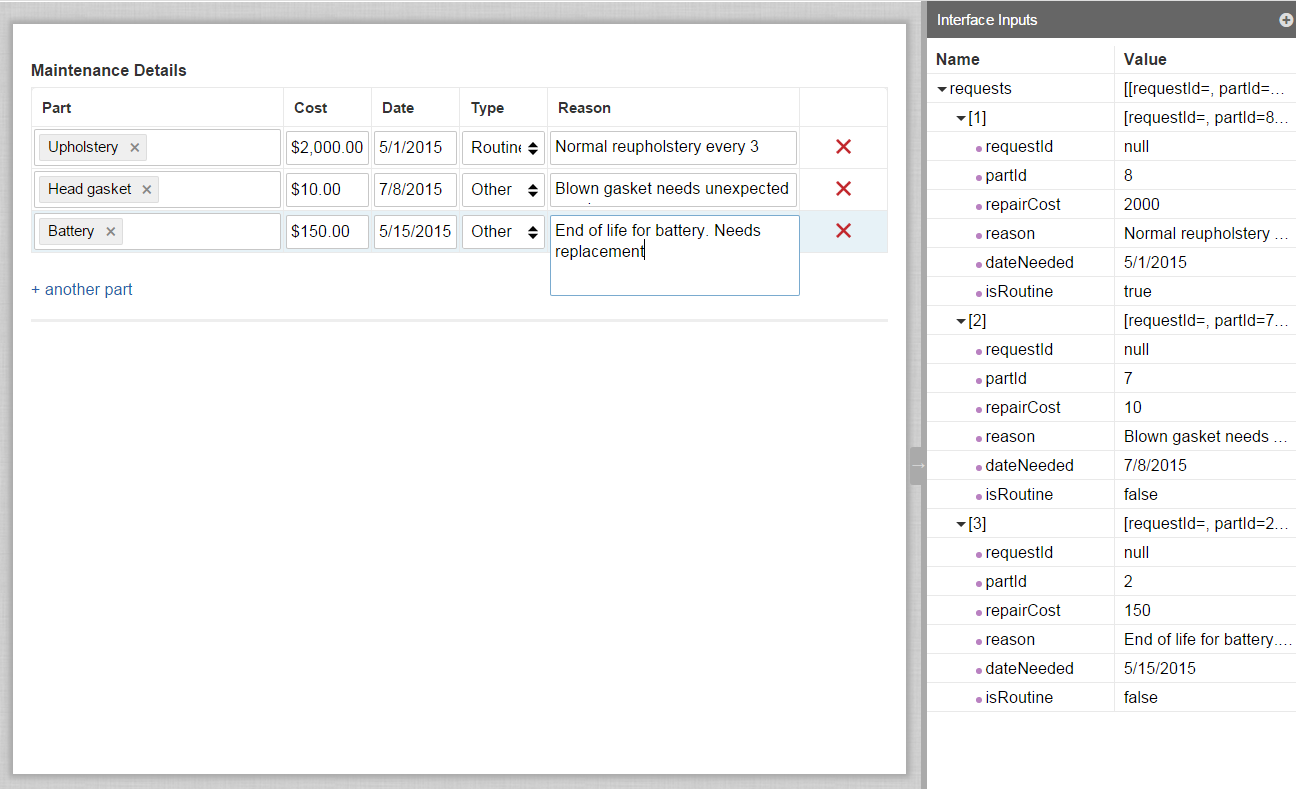
)

)

)

})

Editable Grid (Same as Ex 6)



load(

local!parts: rule!VFM\_getAllVehicleParts(),

local!token,

a!formLayout(

firstColumnContents: {a!gridLayout(

label: "Maintenance Details",

headerCells: {

a!gridLayoutHeaderCell(label: "Part"),

a!gridLayoutHeaderCell(label: "Cost"),

a!gridLayoutHeaderCell(label: "Date"),

a!gridLayoutHeaderCell(label: "Type"),

a!gridLayoutHeaderCell(label: "Reason"),

a!gridLayoutHeaderCell(label: "")

},

columnConfigs: {

a!gridLayoutColumnConfig(width: "DISTRIBUTE"),

a!gridLayoutColumnConfig(width: "NARROW"),

a!gridLayoutColumnConfig(width: "NARROW"),

a!gridLayoutColumnConfig(width: "DISTRIBUTE"),

a!gridLayoutColumnConfig(width: "DISTRIBUTE"),

a!gridLayoutColumnConfig(width: "NARROW")

},

rows: a!applyComponents(

function: rule!VFM\_requestRepair(

request: ri!requests,

index: \_,

parts: local!parts,

token: local!token

),

array: if(

or(isnull(ri!requests), count(ri!requests)<1),

{},

1+enumerate(count(ri!requests))

),

arrayVariable: local!token

)

),

a!linkField(

links: a!dynamicLink(

label: "+ another part",

value: 'type!{urn:com:appian:types}VFM\_request'(repairCost: 0),

saveInto: {

a!save(ri!requests, append(ri!requests, save!value)),

a!save(local!token, append(local!token, save!value))

}

)

)

}

)

)