Item Characteristics And Classification

Add-On Solution

r1-0

Solution Scope

Description

- Provides generic classification to Part items based on a hierarchical class structure.
- Characteristics are added to a part item according to its classification.
- This is an extension to standard item properties.
- The mechanism of classification trees and characteristic could be extended to be applied to any item type in Aras Innovator (customization), this version of the solution, however, only adds this feature to item type "Part"

Why

- Some industries can benefit from a generic classification. i.e. Electric components industry.
- Searches can be improved by having a classification hierarchical path.

Package Components

Item Type
- Item Characteristic
- Item Class

RelationshipType
- Item Class Hierarchy View
- Item Class Characteristic
- Item Characteristic List Value
- Part Item Characteristic Value
- Item Class Hierarchy

Form
- Item Characteristic List Value
- Item Characteristic
- Item Class Hierarchy
- Item Class

- Item Class Hierarchy Grid
- Item Class Characteristic
- Item Class Hierarchy View
- Item ClassTreeDialog
- Part Item Characteristic Value

List
- Item Characteristic Value Types
- Item Characteristic UOM

Action
- Item Characteristic Add To Part

Sequence
- Item Characteristic Numbers
- Item Class Numbers
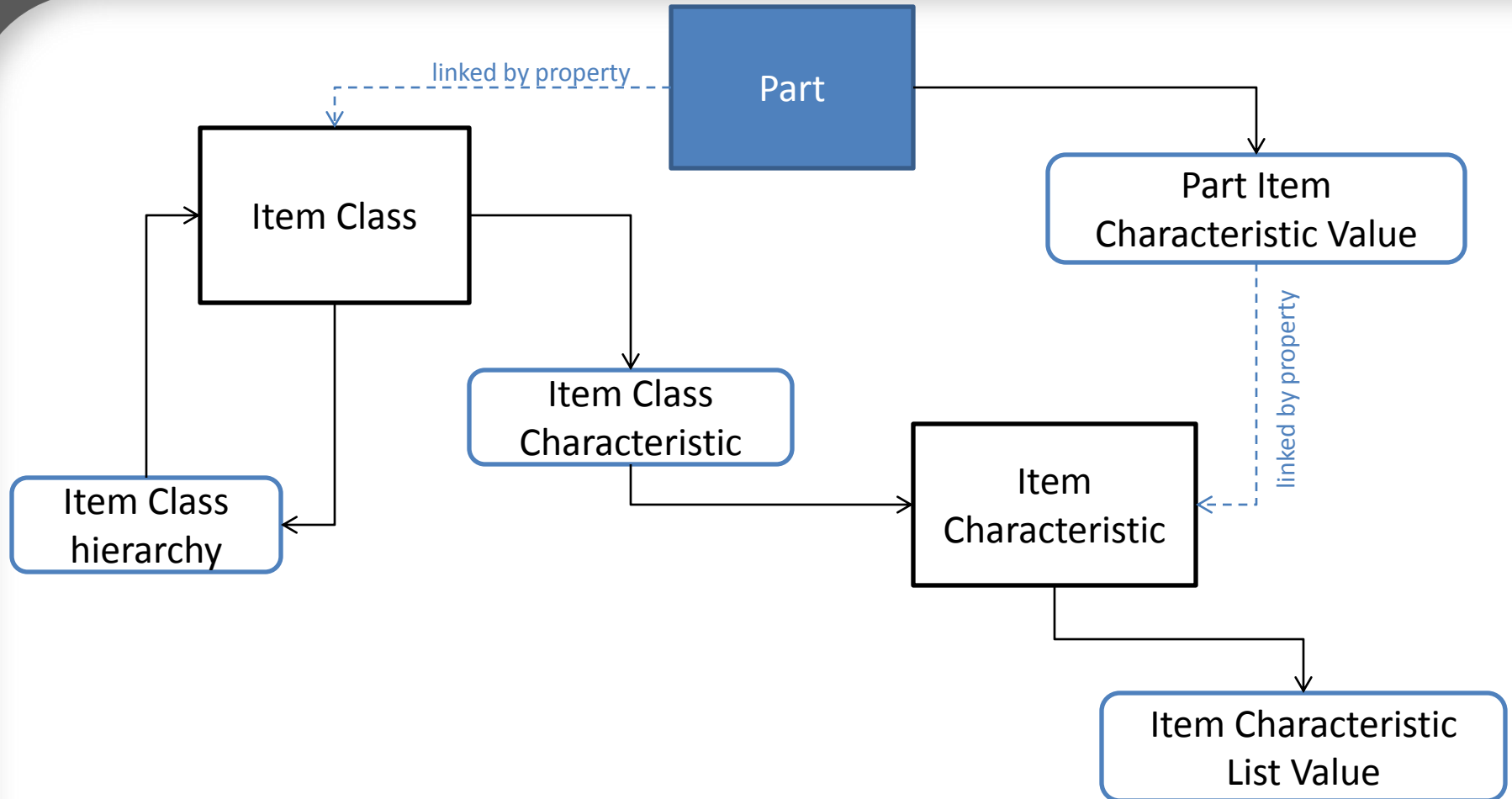
Package Components

Method

- ItemCharacteristicAddToPart_JS
- SaveValueAsNumOrText
- Char Value Dropdown List
- Common Grid Handler Funcs
- Item Class Hierarchy Grid
- Show Class Hierarchy Grid
- SetItemClassPath*
- ItemCharacteristicAddToPart
- OnEditCharacteristicValueCells
- ItemClassTreeDialog Func

Variable

- Part Item Class Hierarchy

Items and Relations

Installation

Download the package file and decompress it. The files should have the following structure:

Item Characteristics And Classification v1-3
        0_import
                imports (admin).mf
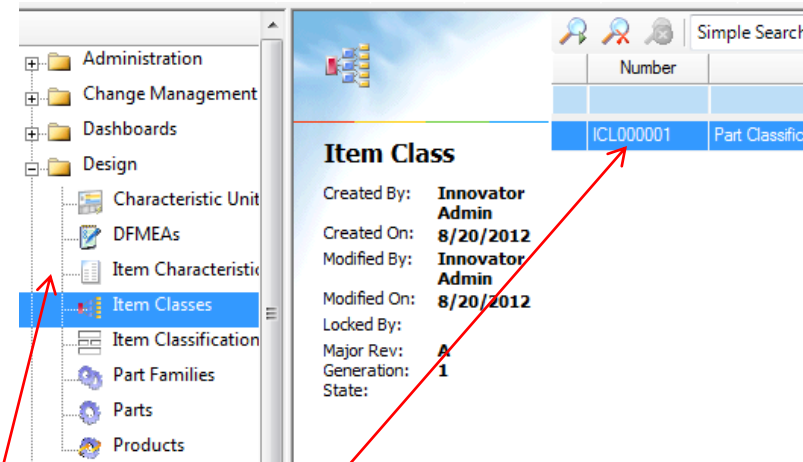   Common Utilities
        1_import
                imports.mf
                Item Characteristics And Classification
        2_import
                imports.mf
                PLM
        import Data Items
                imports.mf
                Part Classifications

Run the import tool for each of the .mf import files highlighted.

If the package installation is successful, the following items should be included inside TOC -> design folder:

Characteristic Unit Conversions
Item Characteristics
Item Classes
Item Classification Search

Additionally, a default Part Classifications Root is created. This can be seen in the picture below

How to work with the Solution

- After Installation there will be no data for Item Classes and Item Characterstics. You will have to add them, first.

- The solution is setup to extend the standard ItemType „Part" with „Part Characteristics". When you create a new or update an existing Part you can now assign an „Item Class" from your previously defined Item Class hierarchy. Then all relevant Characteristics of this class are copied to „Part Characteristics" (tab/relationship)

- See the „User Guide" provided with this solution to learn more.