DS0027
Bin Lookup Manager

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Problem Definition

Problem Definition	CCDA

ACMECO manufactures forged steel pressure flanges. The materials used include alloys, stainless, and carbon. The material in stock has a wide range of physical attributes, some of which are coded into the Item Number. To fulfill customer requests, ACMECO needs to quickly locate on-hand material that has certain characteristics (i.e. Material Type and Pressure Rating).

Bins are being used to group inventory by Material/Pressure Rating.

All purchased material is received into a default Bin, then manually transferred (Bin-to-bin transfer) into the correct bin for the material/pressure rating.

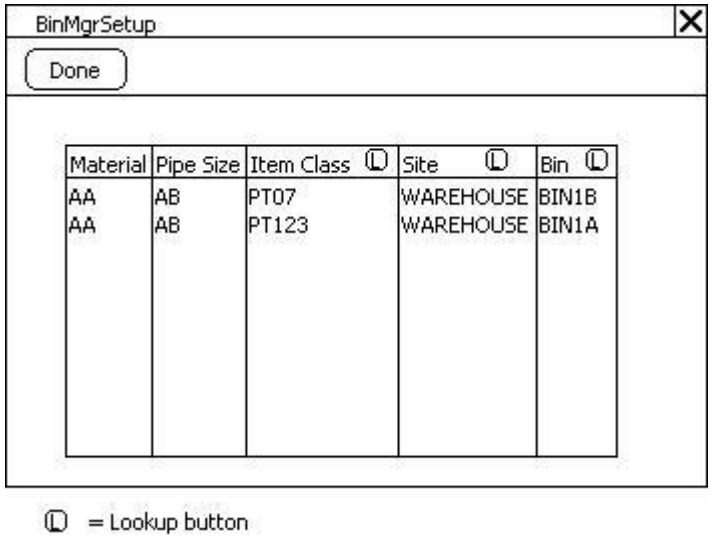
There are a large number of bins (about 650), so the user has to scroll through a large number of bins to select the correct one for the material. This situation also makes it very easy to pick the wrong bin.

The combination of Material, Pipe Size and Item Class determines the Bin. The Item Numbering logic is as follows:

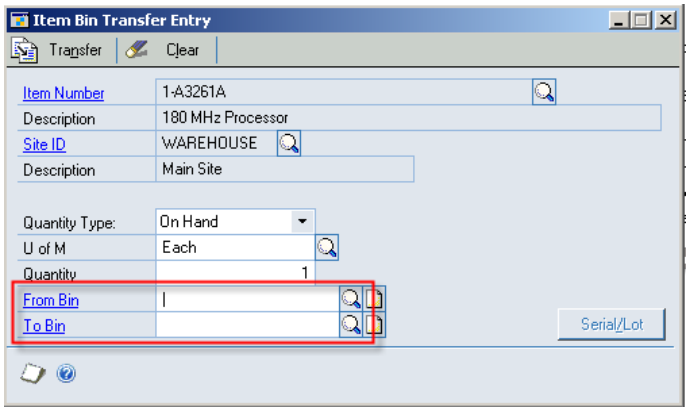
Finish	Material	Pressure Rating	Type	Pipe Size
Char 1,2	Char 3,4	Char 5,6	Char 7,8	Char 9, 10

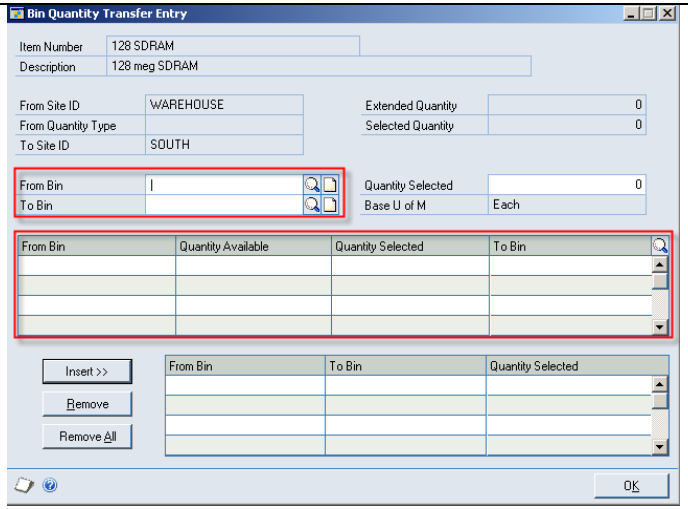
A solution is desired that will look at the Item being transferred, and restrict the list of displayed Bins so that only valid bin(s) are in the lookup. It should also prevent the user from manually typing in an incorrect bin.

Design Features

Bin Manager Setup	**CCDA**
Bin Manager Setup will be accessible from Tools >> Setup >> Inventory >> Bin Manager.  The window will allow the user to create mappings for the combinations of Material Code, Pipe Size Code and Item Class, and which bin(s) the material can be assigned to. Material will map to characters 3 & 4 of the Item Number. Pipe Size will map to characters 9 & 10 of the Item Number Item Class will be read from the Item Master (IV00101) for the Item Number involved in a transfer.	

Lookups will be provided to retrieve Item Class, Site, and Bin.	

Bin Lookups	**CCDA**
Bin Manager will restrict the available Bins based on the mapping provided in Bin Manager Setup. Lookups will only display valid Bins for the Material + Pipe Size + Item Class combination, and the user will only be allowed to type-in a Bin that is valid for the mapping. Bin Manager will not be activated if the user types-in a new Bin. In this case the user will receive the normal “add a bin on the fly” message. The following locations will be controlled by Bin Manager (see screen caps below): - Item Bin Transfer Entry bin fields - Item Transfer Entry >> Bin Quantity Transfer Entry. Available Bins scroll will only show allowed bins, and the Bin fields will be controlled. - Site/Bins Lookup will only show allowed bins 	


Bin Quantity Transfer Entry
Item Number
128 SDRAM
Description
128 meg SDRAM
From Site ID
WAREHOUSE
From Quantity Type
To Site ID
SOUTH
Extended Quantity
0
Selected Quantity
0
From Bin
To Bin
Quantity Selected
0
Base U of M
Each
From Bin
Quantity Available
Quantity Selected
To Bin
Insert >>
Remove
Remove All
From Bin
To Bin
Quantity Selected
OK