

Homework Task 1: Angel Warehouse

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-> Please note, I have provided appropriate variable names alongside the descriptions

Bay (Entity):

Attributes:

Primary Key – Bay Number // Bay_ID

Location // Bay_Location

Height // Bay_Height

Bin (Entity):

Attributes:

Bin number – composite primary key with bay number // Bin_ID

Size // Bin_Size

Maximum loaded weight // Max_Loading_Weight

Bay number (the foreign key from bay, forming a relationship between the two entities) // Bay_ID

Fork lift (Entity):

Attributes

Primary key – equipment number // Equip_ID

Maximum carry weight // Max_Carry_Weight

Power type - is it electric or petrol? // Power_Type

Foreign key – Bay number as each fork lift is allocated to a bay // Bay_ID

Item (Entity):

Attributes:

Primary key – item Number // Item_ID

Date stored // Date_Stored

Weight // ItemWeight

Storage (Entity):

* This is a relationship entity between bin and item, as an item can be stored in a bin

Attributes:

Date stored in bin // Date_in_Bin

Foreign Keys:

1. Bay & Bin number - foreign keys from bin
2. Item number – foreign key from item

Composite primary key – bay number, bin number, item number, date stored in bin

^^ (Variables are the same as previously listed)