For the scenario below identify the entities, their attributes and appropriate keys

The Angel Warehouse

The Angel Warehouse stores items for its parent company. The warehouse is organised into **bay**s, which are storage areas, but the items themselves are stored in **bin**s. Each bay contains a number of bins. Each bay is identified by a unique **bay number** and the **bay location** and the **height** of the bay are recorded. Each bin has a different **number** within the bay, always starting with bin no. 1, and while some bays have only 5 bins some have over 50. The **size** of each bin is recorded.

Some bays have a parking spot for one **fork lift** to help move **item**s round the warehouse and lift items into bins. Each fork lift is allocated to a bay. Each fork lift has a **unique equipment number** and the **maximum carrying weight** of the fork lift needs to be known. Some fork lifts are petrol driven while some are electric.

For all bins the **maximum loaded weight** must be known.

When an item is taken into the warehouse it is assigned a **unique number** and the **date** is recorded as well as the **item weight**. Bins can store a number of items and when an item is put in a particular bin this date is also recorded. Items can be moved back and forth between bays and bins to optimise the warehouse storage.

Entities are shown in **RED**
Attributes are shown in **GREEN**
Keys are shown in **BLUE**

Bay (Entity) –
Bay Number (Key)
Bay Location
Bay Height

Bin (Entity) –
Bin Number (Key)
Bin Size
Bin Maximum Loaded Weight

Forklift (Entity) –
Forklift Unique Equipment Number (Key)
Forklift Maximum Carrying Weight

Item (Entity) –
Item Unique Number (Key)
Item Date
Item Weight