

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 **bays**, which are storage areas, but the items themselves are stored in bins. 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 items 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.

Entity – **red**

Attribute - **blue**

Key – **green**