

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.

**Entities**

**attributes**