

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.

E – Entities

A – Attributes

AP – Appropriate keys