

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.

Candidate entities

Attributes

Candidate keys