

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 – **Red**

Attributes – **Purple**. Keys - **Green**