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 forklift to help move items round the warehouse and lift items into bins. Each **forklift** is allocated to a **bay**. Each forklift has a **unique equipment number** and the maximum carrying weight of the forklift needs to be known. Some forklifts 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.

Bay (Entity)
- Bay Number (Key)
- Bay Location
- Bay Height
- Number of Bins
- Parking Spot

Bin (Entity)
- Bay Number (Key)
- Bin Number
- Bin Size
- Maximum Loaded Weight
- Number of Items
- Item Date

Forklift (Entity)
- Equipment Number (Key)
- Bay Number
- Maximum Load
- Power Type

Item (Entity)
- Item Number (Key)
- Item Date
- Item Weight