

Bay(num\_bins, bay\_ID, bay\_location, height)

Primary key: bay\_ID

Bin(bin\_num, bin\_size, max\_load, bay\_ID)

Primary key: bin\_num

Foreign key: bay\_ID

ForkLift(bay\_ID, forklift\_ID, max\_carry, engine\_type)

Primary key: forklift\_ID

Foreign key: bay\_ID

Item(item\_ID, arrive\_date, item\_weight, bin\_date, bin\_num, bay\_ID)

Primary key: item\_ID

Foreign key: bin\_num, bay\_ID