

Raheem Miah – Databases IN1013 - Task 1 HW

Entities:

- Bay
- Bin
- Forklift
- Item

Bay Entity Attributes and Keys:

- bayNumber, integer, primary key, foreign key
- numOfBins, integer
- bayLocation, string
- heightOfBay, double
- parkingSpot, Boolean, action event

Bin Entity Attributes and Keys:

- binNumber, integer, primary key, foreign key
- binSize, integer
- maxLoadedWeight, double
- numOfItems, integer
- binDate, itemDate

Forklift Entity Attributes and Keys:

- equipmentNumber, integer, primary key
- allocatedBay, integer, bayNumber
- maxCarryWeight, double
- fuelType, String

Item Entity Attributes and Keys:

- itemNumber, integer, primary key
- itemDate, Date, foreign key, action event
- itemWeight, double
- moveBay, bayNumber, action event

- moveBin, binNumber, action event