HW1 – Task 1

Entity: Bay
Attributes: bin_amount, bay_ID, location, bay_height, park_spot
Primary Key: bay_ID
Foreign Key: None

Entity: Bin
Attributes: bin_ID, bin_size, max_load_weight, bay_ID
Primary Key: bin_ID
Foreign Key: bay_ID

Entity: Forklift
Attributes: forklift_ID, fuel_type, max_carry_weight, bay_ID
Primary Key: forklift_ID
Foreign Key: bay_ID

Entity: Item
Attributes: item_ID, date_item_received, item_weight
Primary Key: item_ID
Foreign Key: None

Entity: Bin_Item_Relation
Attributes: date_item_stored, date_item_removed, bin_ID, item_ID, bay_ID
Primary Key: bin_ID & item_ID (composite key)
Foreign Key: bin_ID, item_ID, bay_ID