**Bay**

* **Bay\_ID** (Primary Key)
* **Bay\_Location**
* **Bay\_Height**

**Bin**

* **Bin\_ID** (Composite Primary Key: Bay\_ID + Bin\_Number)\*\*
* **Bay\_ID** (Foreign Key)
* **Bin\_Number**
* **Bin\_Size**
* **Max\_Loaded\_Weight**

**Fork Lift**

* **Fork\_Lift\_ID** (Primary Key)
* **Bay\_ID** (Foreign Key, as each fork lift is allocated to a bay)
* **Max\_Carrying\_Weight**
* **Fuel\_Type** (Petrol/Electric)

**Item**

* **Item\_ID** (Primary Key)
* **Item\_Weight**
* **Date\_Received**
* **Current\_Bin\_ID** (Foreign Key)
* **Current\_Bay\_ID** (Foreign Key)

**Item Storage (Event/Action Entity)**

* **Item\_ID** (Composite Primary Key: Item\_ID + Bin\_ID)\*\*
* **Bin\_ID** (Foreign Key)
* **Bay\_ID** (Foreign Key)
* **Date\_Stored**