we can identify that their attributes, Here is the breaking down:

Entities, Attributes, and Keys

1. **Bay**
    - **Attributes:**
        - Bay Number (Primary Key)
        - Location
        - Height
        - Number of Bins
        - Fork Lift Equipment Number (Foreign Key, optional)
    - **Key:**
        - Bay Number (unique identifier for each bay)
2. **Bin**
    - **Attributes:**
        - Bin Number (Primary Key, unique within a Bay)
        - Bay Number (Foreign Key)
        - Size
        - Maximum Loaded Weight
    - **Key:**
        - Composite Key: (Bay Number, Bin Number) to uniquely identify each bin in its respective bay
3. **Fork Lift**
    - **Attributes:**
        - Equipment Number (Primary Key)
        - Maximum Carrying Weight
        - Type (Petrol/Electric)
        - Bay Number (Foreign Key)
    - **Key:**
        - Equipment Number (unique identifier for each fork lift)
4. **Item**
    - **Attributes:**
        - Item Number (Primary Key)
        - Date Added
        - Weight
    - **Key:**
        - Item Number (unique identifier for each item)
5. **Item Storage**
    - **Attributes:**
        - Storage ID (Primary Key)
        - Item Number (Foreign Key)
        - Bin Number (Foreign Key)
        - Bay Number (Foreign Key)
        - Date Stored
    - **Key:**
        - Composite Key: (Item Number, Bin Number, Date Stored) to track which item is stored in which bin on what date

Summary of Relationships

- Each **Bay** can have multiple **Bins**.

- Each **Bin** belongs to one **Bay**.
- Each **Fork Lift** is assigned to one **Bay**, but a **Bay** can have at most one **Fork Lift**.
- Each **Item** can be stored in multiple **Bins** over time, and each storage event is tracked.
- The **Item Storage** entity serves as a junction table to handle the many-to-many relationship between **Items** and **Bins**.

This structure provides a comprehensive overview of how to manage the data related to The Angel Warehouse, ensuring that all entities, attributes, and keys are clearly defined.