- The system keeps track of the cafeteria's **Users, Wallet, Storage, Menu, Orders, & Comments**.
- The system maintains a **Digital Wallet** for every student. This is a closed system where students cannot add funds themselves. **Authorized Staff** are the only users permitted to credit a student's account via a manual **"Top-Up"** transaction (handling physical cash).
- The system records a history of **Transactions** (Credits/Debits). For every transaction, we record the date, amount, type, and resulting balance.
- The system manages a **Storage (Inventory)** facility.
    - Every **Menu Item** (e.g., "Cheese Burger") corresponds to a record in the Storage.
    - We track the **Current Quantity On Hand** and the **Last Restocked Date**.
    - Staff updates the Storage levels when new supply shipments arrive.
- The food catalog is organized into **Categories**. Each category has a unique name, and a category may contain several menu items.
- A **Student** may place **Orders**. This triggers a validation process:
    1. **Financial Check:** Does the student have enough balance?
    2. **Storage Check:** Is there enough **Quantity On Hand** in Storage?
    - If both checks pass, the cost is deducted from the Wallet, and the quantity is subtracted from Storage.
- **[WEAK ENTITY SPECIFICATION]** The system allows for **Order Comments**. An order may have several comments attached to it (e.g., instructions from the student or replies from the chef).
    - A Comment is considered a **Weak Entity**; it does not have a unique identity of its own. It is identified only by its relationship to a specific **Order** combined with a sequence number (or timestamp).
    - If an Order is deleted or canceled, all associated comments must effectively cease to exist for the system's purposes.

🎓 Cheat Sheet for the Designer

When they see "Weak Entity," they should draw the relationship like this:

1. **Double Rectangle** around the "Comments" entity.
2. **Double Diamond** for the relationship between Orders and Comments (often called "Has" or "Contains").
3. **Total Participation:** The Comments entity should have a double line connecting it to the relationship (every comment *must* belong to an order).
4. **Composite Key:** The Primary Key for the Comment table will likely be (OrderID, CommentID) or (OrderID, Timestamp).