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## Employee Canteen Management System

- Food court
- Combination of multiple vendors
- Customer decides based on a unique ID
  - Will be added to the shopping cart
  - Must account for each specific vendor for the request
    - Log in (can the vendor fulfill the request?)
  - Customer:
    - Notification regarding if order has been processed or denied as well as display the time
- Customer makes a payment regarding order
  - Ensure wallet balance for each customer
- Reporting system
  - For each week, how many orders have been processed?
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[customer login]

[vendor login]

- Show Menu
  - Buy Item (place order)
  - Vendor Approval
  - If approved, confirm order
  - Employee balance deducted/adjusted
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- Functionalities (10-12)
  - Scanner() - import.util.Scanner
  - Arrays/indexing (List <Menu>)
  - Collections
  - Comparator
  - HashMap
  - Boolean function
  - Try/catch - error detection
  - Next()/nextLine()
  - File I/O - create file/modifying files for menu

## Team 8 - Employment Canteen Management System

Vaasav Kumar, Taylor Milton-Baker, Tran Tran, Chan Hyun Kim, Umair Ali

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- Classes Needed
  - Customer Login
    - Customer Attributes
      - Customer ID
      - Customer name
      - Customer username
      - Customer Password
      - Employee Balance
      - Wallet Class(Unique for each customer)
        - Add/Deduct balance
    - Home screen displays customer login (username, password, forgot password, login/logout button)
    - Create account
  - Vendor Login
    - Vendor Attributes
      - Vendor Id
      - Vendor Name
      - Vendor Username
      - Vendor Password
      - Menu ID
    - Will be able to identify customer's order
    - Approve/confirm/cancel order
    - Vendor account logins
    - Will be able to retrieve and display a file to be used as the menu
  - Menu
    - Menu Attributes
      - Food ID
      - Vendor ID
      - Food Name
      - Food Price
      - Food Category
    - Displays certain information on each food/meal offered, the user will be able to select whatever they want
    - Read from a text file that the vendor can easily modify and import to program
    - SOLD OUT functionality
  - Order
    - Order Attributes
      - Order Id
      - Food ID
      - Customer ID
      - Order Status

## Team 8 - Employment Canteen Management System

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- Order Balance
- Approved/confirmed status
- Canceling orders
- Create order history/report (generated every month/week)
- Cart system (multiple carts and check out)
- EmployeeBalance
  - Employee Attributes
    - Customer ID
    - EmployeeAccount ID
    - Employee Balance
  - List of employees
  - Display employee's balance
  - Adjust balances
  - Low balance warning
    - Add/Deduct balance
    - Employee Balance after the change

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- Work Distribution:
  - Vaasav: SQL Functionalities, Java Classes
  - Umair: Customer login page.
  - Tran: Implement menu class functionalities
  - Chan: EmployeeBalance
  - Taylor: Vendor Login page and functionalities

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