1. Store properties

1. Store Name
2. Owner's Name
    - Owner's Contact Information - Phone Number - Email Address
3. Store Address
4. Store type – Grocery , Super market
5. Store Contact information - Phone Number - Email Address
6. Subscription status
7. GST Number
8. Accepted Payment Methods
9. Currency Format - Pricing configuration – including, excluding taxes
10. Tax Settings
11. Terminal Setup
12. User Access Control - role based employee registration
13. Logo and Branding
14. Description
15. Necessary Documents – ex. Shop act license etc.
16. Registration date
17. Default Warehouse - Single / Multiple locations
18. Employee count
19. Business Hours

2. Product properties

1. Product id
2. Product Name
3. Product Code/Identifier
4. Description
5. Price
6. Brand
7. Quantity in Stock
8. Tax Information
9. Supplier Information *
10. Category (Type)/Department
11. Barcode/UPC
12. Unit of Measurement
13. Discounts/Applicable Promotions
14. Variants (if applicable, like size or color)
15. Reorder Level (minimum quantity of a product that should be maintained in stock before placing a new order to replenish the inventory.)
16. Cost Price
17. Selling price
18. Images (for visual identification)
19. Product Attributes (e.g., weight, dimensions)
20. Expiry Date (if applicable, for perishable goods)
21. Serial Number (for serialized items) / Stock reference (Number) – alpha numeric
22. Warranty Information
23. Location (for inventory management)
24. Registration /receipt / creation date

3. User

1. User id
2. Full Name
3. Username

4. Password
5. Email Address
6. Contact Number
7. Role/Position (Varied: Manager, Cashier, Technician, Supervisor, Administrator)
8. Shift Schedule (if applicable)
9. Employee ID/Code
10. Salary
11. Boolean isAvailable
12. Gender
13. Address

4. Customer

1. Customer id
2. Name
3. Contact Information -phone , email
4. Address
5. Demographic Information - age, gender, occupation, etc.
6. Loyalty/promotions
7. Purchase History - Previous purchases made at the store.
8. Preferences - Product preferences, preferred brands, etc
9. Membership Status
    1. If the customer is part of a loyalty program or membership. (Monthly payments)
10. Feedback/Reviews
11. Frequency of Visits
12. Birthday/Anniversary

5. Sale

1. Sale ID
2. Date and Time:
3. Cashier/User: name or ID.
4. Sale Items: list of Product ID , Name , Quantity , Unit price , Total price
5. Payment Method (e.g., cash, credit card, debit card, etc.).
6. Total Amount: The total amount of the sale, including taxes and discounts.
7. Tax Amount
8. Discount Amount
9. Promotion/ gift card (id or name)
10. Subtotal: The subtotal of the sale before taxes and discounts
11. Total Paid: The total amount paid by the customer.
12. Change: The amount of change returned to the customer, if applicable.
13. Customer Information (e.g., name, contact details).
14. Sale Status: (e.g., completed, voided, pending).
15. Invoice/Receipt Number:
16. Transaction ID:
17. Payment Status:
18. Delivery Information: Information about delivery, if the sale involves shipping products to the customer.
19. Notes:

6. New stock order

1. Order ID:
2. Supplier: The name or ID
3. Order Date:
4. Expected Delivery Date
5. Ordered Products: A list of products being ordered, including:
    1. Product ID

    2. Product Name
    3. Quantity:
    4. Unit Price:
    5. Total Price:
6. Order Status (e.g., pending, processing, shipped).
7. Total Order Amount: The total amount of the order, including taxes and fees.
8. Payment Terms
9. Shipping Address: The address to which the ordered products should be delivered.
10. Contact Person: The name of the person to contact regarding the order.
11. Contact Information: The contact information of the person responsible for the order.
12. Notes: Any additional notes or comments related to the order

7. Expense *

1. Expense ID:
2. Date:
3. Description: A brief description or name of the expense.
4. Category: (e.g. petrol, rent, utilities, salaries, supplies).
5. Amount: The amount of money spent on the expense.
6. Payment Method: The method of payment used for the expense (e.g., cash, credit card, cheque).
7. Supplier: The supplier or vendor from whom the expense was incurred, if applicable.
8. Employee: The employee or staff member associated with the expense, if applicable.
9. Receipt/Invoice Number: The number of the receipt or invoice associated with the expense, if applicable.
10. Payment Status: Indicates whether the expense has been paid or is pending payment.
11. Notes: Any additional notes or comments related to the expense.

8. Technicians

1. Technician ID
2. First Name
3. Last Name
4. Email Address
5. Phone Number
6. Address
7. Role/Job Title
8. Skills/Expertise
9. Availability
10. Assigned Tasks/Projects
11. Notes

9. Promotion:

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    1. Promotion ID
    2. Promotion Name:
    3. Description
    4. Start Date:
    5. End Date:
    6. Discount Percentage: The percentage discount offered by the promotion.
    7. Applicable Products: Details of the products to which the promotion applies, such as their IDs or names.

10. Report/Analytics:

1. Report ID
2. Report Name (sales, inventory, payment, tax ,
3. Description
4. Date Generated

5. Metrics/Indicators: The key performance indicators or metrics included in the report.
6. Filters/Parameters: Any filters or parameters used to customize the report.
7. Report Format: The format in which the report is presented, such as PDF, Excel, or HTML.

11. Notification/Alert:

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    1. Notification ID: A unique identifier for each notification.
    2. Notification Type: The type or category of the notification, such as email, SMS, or in-app.
    3. Date and Time: The date and time when the notification was sent.
    4. Recipient(s): The recipient(s) of the notification.
    5. Message: The content or message of the notification.
    6. Trigger/Event: The event or condition that triggered the notification.
    7. Status: The status of the notification, such as read or unread.

Requirements

1. Transaction Processing:
2. Inventory Management:
3. Product Management:
4. Reporting and Analytics:
5. Customer Management:
6. User Management:
7. Customization and Integration: