

Supermarket Automation System

Data Dictionary



Name: Agniva Mukhopadhyay

Roll: 222CS3114

Advanced Software Engineering Lab

Data Dictionary

- **[Inventory Information, Inventory Log]** = Inventory Item Details + Inventory Item Available Quantities
- **[Sales Information]** = {Sales Item Details}* + {Sales Transaction Details}*
- **[Customer Transactions, Sales Transactions]** = Transaction ID + Sales Item Details{Sales Item Details}*
- **[New Item Details, Updated Item Details, Inventory Item Details, Sales Item Details]**= Item ID + Item Name + Manufactured Date + Item Price
- **Sales Query** = Sales Item{Sales Item}* + Time Range of Sales
- **Customer Transaction Details** = {Inventory Item Details + Quantity Purchased + Purchase Date}*
- **Sales Statistics** = Sales Information + Time Range of Sales
- **Item ID** = integer * Long integer storing unique Item ID *
- **Item Name** = string * String element showing item name *
- **Manufactured Date** = datetime * Date and time element showing item mfd date *
- **Item Price** = Integer * Integer element showing price of item*
- **Time Range of Sales** = {datetimes} * Array of date and time elements *
- **Purchase Quantity**= integer * Integer element showing purchase quantity *
- **Purchase Date**= datetime * Date and time element showing item purchase date *