Description of the Entity

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| Entity Class | Description |
| Product Information | This entity includes product information of product ID, product name, pricing, classification, supplier, category Id, Sub category Id. |
| User Profile | This entity includes every registered staff of the supermarket and the necessary information, e.g. the name, staff ID, address and phone number, password, department. |
| Supplier Profile | This entity includes all the suppliers of the supermarket and the necessary information, e.g. the name, supplier ID, address and phone number, contact person. |
| Order | This entity includes the information of the products placed by the store men to the suppliers and status of the orders (e.g. Pending or confirmed). |
| Cash Register | This entity includes the End-of-Day sales data (e.g. quantity of products sold per day) and the opening balance given to the cashier. |
| Billing Details | Billing Details: This entity includes the data of the orders placed by the customers. |
| Classification Details | Every different classification range is recorded(Fast, moderate and slow). |
| Price Change | Record of the price each time changed by the owner as a reference to the market strategy. |
| Shelf Inventory | Includes the information of the Expired , Damaged products and the current stock in the shelves. |
| Store Inventory | Includes the information of the Expired and Damaged products and the current stock in the store. |
| Category | This includes all the category of the products in the supermarket and each category has an ID. |
| Subcategory | This includes all the subcategories of the products in the supermarket and each subcategory has an ID. |